Tionscadal Soláthair Uisce
Water Supply Project

Environmental Impact Assessment Report (EIAR)

Volume 6 of 6: Appendices

(Appendix 8.22) Winter Bird Summary Report

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Irish Water

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1. Introduction

1. The Lower River Shannon at Parteen Basin, downstream of Lough Derg (County Tipperary), is the preferred abstraction location and option for a new water supply source for the Eastern and Midlands Region of Ireland. The Water Supply Project Eastern and Midlands Region (the Proposed Project) will involve raw water abstraction from Parteen Basin at the Raw Water Intake and Pumping Station (RWI&PS) site, followed by pumping to a Water Treatment Plant (WTP) approximately 2.6km north-east of the village of Birdhill in County Tipperary. Following treatment, the treated water will be pumped to a Break Pressure Tank (BPT) at the highest elevation of the pipeline, where the water pressure will be managed. From the BPT the water will flow by gravity through the midlands to a Booster Pumping Station (BPS) in the townland of Coagh Upper in County Offaly. The BPS will be required when the demand for water increases above approximately 170 million litres per day (Mld). From the BPS the treated water will continue via a Flow Control Valve (FCV) in Commons Road Upper in County Kildare to a Termination Point Reservoir (TPR) at Peamount in County Dublin. It should be noted, the FCV is a sixth key infrastructure site which was not part of the Proposed Project at the time of surveys; however it is located in an area of agricultural grassland and was not considered to be an important suitable habitat for wintering birds. A Construction Working Width will be temporarily required for the period of construction of the Raw Water Rising Mains, Treated Water Pipeline and their subsequent reinstatement. It will generally be 50m in width but will be locally wider near features such as crossings, access and egress points from the public road network, Construction Compounds, and Pipe Storage Depots.

2. This Proposed Project will also involve the uprate of an Electric Supply Board (ESB) 38 kV powerline from Ardnacrusha to Birdhill, County Tipperary. This proposed line uprate is to facilitate the Proposed Project, and specifically to provide for power connections to the proposed RWI&PS and WTP sites. The 38 kV powerline runs in a north-east direction, across predominantly wet grassland, dry calcareous and neutral grassland, and improved agricultural grassland. The powerline also crosses the Lower River Shannon, which is, at this location, designated as a Special Area of Conservation (SAC) and is of international importance.

3. This report has been prepared to provide a summary on all the key bird species encountered within the study area during the winter bird surveys undertaken between 2015 and 2025, with the exception of the winter season of 2021/2022.

2. Methodology

2.1 Desktop Study

4. The desktop study aimed to collect information on the distribution and abundance of key bird species within the study area and the wider surroundings. The Wildlife Act (as amended) is the principle national legislation for the protection of birds in Ireland. In a European context, certain birds are afforded additional protection under Annex I of the European Union (EU) Birds Directive (79/409/EEC, amended 2009/147/EC). Of the 500 species of wild birds which occur in Europe, 194 species and sub-species are threatened. Member States must designate Special Protection Areas (SPAs) for their protection and the protection of all migratory birds. In Ireland bird species are also classified as Red (conservation priority), Amber (lesser priority) or Green (least priority) status by the Birds of Conservation Concern in Ireland (BoCCI) report 2020-2026 (Gilbert *et al.* 2021), formally 2014-2019 (Colhoun and Cummins 2013). This traffic light system places species in one of three categories, as an understandable mechanism to identify conservation priority. A species is classed as Red Listed if it fulfils one of the following criteria; their breeding range or population has declined by more than 50% in the last 25 years, their breeding population has undergone significant declines since 1990, or the species is of global conservation concern. Birds which were recorded during the 2015 to 2020 winter bird survey seasons, were previously classified using the 2014-2019 BoCCI report. These records have since been updated to the newer 2020-2026 classifications for this summary report.

5. A desktop study of published (including bird atlas records) and unpublished literature and existing datasets (records held by the National Biodiversity Data Centre (NBDC), National Parks and Wildlife Services (NPWS) and BirdWatch Ireland (BWI)) was undertaken for key species of conservation concern. Target species selection and survey design were undertaken following consideration of the desktop study results and based on the typical bird communities likely to be found in the habitats within the study area.

2.2 Consultation

6. Consultation with various state agencies and environmental Non-Governmental Organisations (NGOs) was undertaken to inform the Environmental Impact Assessment Report (EIAR) and Appropriate Assessment. All project consultation in relation to biodiversity is detailed in Chapter 8 (Biodiversity) of the EIAR. Both the NPWS and BWI raised concerns regarding potential impacts as a result of the Proposed Project on key species of conservation concern.

7. A meeting was held with An Bord Pleánala and NPWS on 6 April 2013. It was indicated by NPWS that specific bird studies should be conducted for the Proposed Project and best practice dictates that these surveys ought to be conducted over two seasons.

8. A second meeting was held with NPWS ecologists on 16 April 2014. Of relevance regarding the bird study in the Lough Derg (Shannon) SPA was that NPWS advised that the Natura Impact Statement for the Proposed Project needs to clearly assess the significance of the effects on European sites, needs to be based on objective and scientific information, be well-referenced and substantiated, and address the issue of cumulative effects and alternatives.

9. In October 2014 NPWS referenced bird species, the wetlands and reedbeds, and possible shelter areas in winter storms with respect to the Lough Derg SPA. They noted species will have different feeding strategies at different times of year, that water level variation would need to be considered, and that under the Birds Directive, the issue of protecting the Lough Derg SPA should (where relevant) include connected habitat outside the designated footprint of the SPA. In addition to this, in a consultation letter from February 2017, NPWS stated where there are impacts on birds and their nests then licences under the Wildlife Acts (as amended) and/or derogations under the European Communities (Birds and Natural Habitats) Regulations 2011 to 2015, may be required.

10. The local NPWS rangers for the Lough Derg and Parteen Basin area were consulted, by phone in November 2014, regarding locations and results for recent winter bird counts on the lake. In subsequent communications, Irish Wetland Bird Survey (I-WeBS) data for 2009/2010, 2010/2011 and 2012/2013 was supplied by NPWS, as well as local information regarding Vantage Point (VP) locations/access and relative importance of areas for birds. The NPWS rangers highlighted that Slevoir Bay supports high concentrations of waterfowl during strong north-westerly winds when much of the lake is very disturbed and that Parteen Basin is used by large numbers of tufted duck on a regular basis. We acknowledge and thank NPWS for this information.

11. Further consultation was undertaken with the NPWS on the 25 April 2019, 25 November 2022, 10 April 2024 and 23 April 2025. It was advised that NPWS could provide data on wintering hen harriers (*Circus cyaneus*) sites via a geographic information system (GIS) database. Upon request and review of this data, no hen harrier wintering sites were identified within the study areas (Section 14) of the Proposed Project.

12. In addition to the NPWS hen harrier data request, in January 2020, contact was made with the Irish Hen Harrier Winter Survey Group to request data on potential hen harrier roost locations. Locations of potential and confirmed hen harrier roosts within the study areas of the Proposed Project were provided along with VPs used to survey roosts. The consultee noted, 'it is important to realise that the harriers (and other species) can use the same or different parts of a site over time'. The information provided was used to inform the site selection for hen harrier winter roost surveys during the 2020/2021 winter season.

13. Data requests were made to BWI (most recently in July 2025), for available I-WeBS results. Data was received for the years 2015 up to 2025 for I-WeBS sites within the study areas of the Proposed Project. These were used for comparisons with results collected by TOBIN and to inform the site selection for I-WeBS surveys.

14. On 14 February 2017 BWI sent a submission detailing their concerns regarding possible impacts to birds and their habitats as a result of the Proposed Project:

    - BWI expressed the need to protect the quality of the water within the Proposed Project and that the proposed works should not impact on the ability of the waterbody to meet the requirements of the Water Framework Directive
    - Potential for impacts under Article 6(4) of the Habitats Directive should be planned in advance to ensure that compensatory measures are put in place and functioning before any work is undertaken on the ground
    - The Proposed Project should meet the requirements of Article 6(4) of the Birds Directive, i.e. care should be taken to avoid impacts to Annex I species outside of designated areas, with particular reference to hen harrier. Furthermore, impacts to Red and Amber Listed species (BoCCI) should be adequately assessed with particular reference to curlew (*Numenius arquata)*
    - Detailed habitat mapping should be completed to avoid the loss of important breeding, roosting and foraging habitat for birds
    - The impacts on drainage related to construction, needs to be assessed for impacts on waders, related to loss of wet grasslands
    - Cumulative impacts should not be overlooked
    - Avoid the destruction of mature hedgerows where possible and employ compensatory measures, as appropriate
    - Employ strict bio-security measures.

15. The NPWS and BWIs concerns were duly considered during survey design, in particular species-specific surveys were undertaken, where appropriate.

2.3 Study Areas

2.3.1 Lough Derg

16. The study area on Lough Derg included the entire open lake area and, where possible, the inner bays. Lough Derg contains large numbers of waterfowl and wader species during the winter months. The area included regions designated under the Lough Derg (Shannon) SPA. Strategic VP locations were selected for winter bird surveys around Lough Derg in order to count birds for the assessment of the importance of the lake for wintering birds. Areas of suitable habitat around Lough Derg were also surveyed where access was available. Lough Derg was surveyed from the winter of 2015/2016 up to the winter of 2024/2025, with the exception of the winter season of 2021/2022.

2.3.2 Parteen Basin

17. The study area included the entire Parteen Basin reservoir, the River Shannon within view north and south of O'Briensbridge village and the Ardnacrusha Tailrace within view north and south of the R466 road crossing. A number of VP locations were selected in the area to record flight activity in order to assess the importance of Parteen Basin for wintering birds, and to establish if connectivity exists between wintering/migratory waterfowl in Parteen Basin and Lough Derg. Parteen Basin was surveyed from the winter of 2015/2016 up to the winter of 2024/2025, with the exception of the winter season of 2021/2022.

2.3.3 Route of the Treated Water Pipeline and Key Infrastructure Sites

18. The study area extended from the RWI&PS site on the north-eastern shore of Parteen Basin, heading north easterly, staying north of the Slieve Bloom Mountains, and continuing across the midlands to the TPR. The focus of the surveys along the route of the Treated Water Pipeline was to survey I-WeBS sites and potential hen harrier roost locations and areas of suitable habitat within the study areas of the Proposed Project. These surveys were conducted from the winter of 2015/2016 up to the winter of 2020/2021, but due to the limited results obtained and lack of suitable habitat within the study area for target species, these surveys were discontinued in the following years. Additionally, VPs were selected and surveyed at the key infrastructure sites (i.e. the RWI&PS, WTP, BPT, BPS and TPR) during the 2020/2021, 2022/2023, 2023/2024 and the 2024/2025 winter seasons to determine the usage of these areas by target species for commuting, roosting or feeding.

2.3.4 38 kV Uprate Works

19. **The Lower River Shannon** – The study area included the Lower River Shannon (SAC) and the Headrace Canal, along with suitable surrounding habitats which may be used by wintering birds for roosting or foraging. These areas included, but were not limited to, bog habitats, rivers/streams, and other waterbodies such as lakes. Strategic VP locations were selected for winter bird surveys around this area to assess the distribution of wintering species and identify any significant sites along the 38 kV Uprate Works to inform the ecological impact assessment. The VP locations were also selected to determine if any potential collision risk occurs with the existing overhead lines (OHLs).

20. **Existing 38 kV OHL** – The study area included the existing OHL and surrounding areas of suitable habitat for roosting or foraging species. The Ardnacrusha – Birdhill line comprises a 38 kV OHL and runs from Ardnacrusha substation in County Limerick, in a north-easterly direction, terminating at Birdhill substation in County Tipperary.

21. The line crosses the River Shannon south-west of O'Briensbridge, within the Lower River Shannon SAC. Approximately 567m of the existing 38 kV line (polesets 67B to 69B) is contained within the SAC. In relation to the proximity of polesets to the River Shannon, Poleset 66B is located outside and approximately 10m west of the SAC and 25m from the banks of the river, while poleset 67B is located inside the boundaries of the SAC approximately 32m east of the banks of the river. The area through which the line travels is predominantly rural in character, except for the areas within, or passing close to Ardnacrusha,

O'Briensbridge, and Birdhill. The village of Castleconnell is located to the south of the line and the M7 Dublin to Limerick Motorway runs north-east to south-west to the south of the existing OHL.

22. The focus of the surveys along the OHL was to survey I-WeBS sites, areas of suitable habitat within the study areas of the Proposed Project, identify known/potential winter bird sites, and conduct counts of water bird populations. In addition, an extensive windscreen survey was conducted along the length of the existing OHL.

2.4 Target Species

23. Target species are defined using a number of criteria. Species may be assessed against a variety of quantitative criteria, e.g., range and population sizes. Red Listed species are those of highest conservation priority, being globally threatened, declining rapidly in abundance or range, or having undergone historic declines from which they have not recently recovered. Amber Listed species have an unfavourable status in Europe, have moderately declined in abundance or range, a very small population size, a localised distribution, or occur in internationally important numbers. Target species were identified as species sensitive to the Proposed Project. Consideration was also given to common species which were identified as relatively sensitive to potential impacts from this type of development. In addition, species listed as special conservation interest (SCI) species for SPAs in the Zone of Influence (as detailed in the Natura Impact Statement and Biodiversity Chapter of the EIAR) of the Proposed Project were also selected as target species.

24. In summary, based on information obtained during the desktop study (Section 2.1) and during consultation (Section 2.2), the following key wintering target and secondary species were identified for each of the specific study areas (Table 2.1).

Table 2.1: Study Area and Key Wintering Target and Secondary Bird Species Identified

Study Area	Designated Site Nearby[1]	Habitats[2]	Key Target Species[3]	Secondary Species[4]
Lough Derg	Lough Derg (Shannon) SPA Lough Derg (pNHA)	Lake and fringing wetland/woodland	Special conservation interest wintering bird species of Lough Derg (Shannon) SPA; tufted duck, cormorant and goldeneye. Mute swan (nationally important numbers). Other regionally important concentrations - coot, little grebe, great crested grebe.	Whooper swan, Greenland white-fronted geese, teal, wigeon, curlew, lapwing, golden plover, snipe, whimbrel, gulls (black headed, common and lesser black backed), great northern diver, sea eagle, hen harrier, peregrine and other waterfowl.
Middle Shannon Callows (south Portumna only)	Middle Shannon Callows SPA	River meadows (Callows)	Special conservation interest wintering bird species of Middle Shannon Callows SPA; whooper swan, wigeon, golden plover, lapwing and black-tailed godwit.	Other wildfowl and waders
Parteen Basin	Lower River Shannon SAC	Lake and fringing wetland/ woodland	Tufted duck, little grebe, golden eye and mute swan.	Curlew, lapwing, golden plover, snipe, whimbrel, redshank, gulls (black headed, common and lesser black backed) and other waterfowl.

[1] SPA = Special Protection Area (designated European site specifically for birds), SAC = Special Area for Conservation (designated European site – qualifying interests do not include birds), pNHA = Proposed Natural Heritage Area (not currently designated under national legislation).

[2] Habitats in study area influence likely usage and hence relevant target and secondary species.

[3] Special conservation interest species likely to use the study area or species determined most at risk as a result of the Proposed Project.

[4] Species which are not special conservation interest species during the winter period and/or other sensitive wintering bird species.

Study Area	Designated Site Nearby[1]	Habitats[2]	Key Target Species[3]	Secondary Species[4]
38 kV Uprate Works	Lower River Shannon SAC	Lowland river, canals and fringing wetland, woodland	High risk species susceptible to collision such as cormorant, mallard, mute swan, greylag goose, whooper swan, little grebe, moorhen and tufted duck.	Medium species susceptible to collision such as lapwing, redshank, snipe, common sandpiper, oystercatcher and curlew.
Route of the Treated Water Pipeline	I-WeBS sites	Various	All waterfowl and waders	Raptor species
	Lough Derg (Shannon) SPA, Slievefelim to Silvermines Mountains SPA, Slieve Bloom Mountains SPA	Lowland bogs, and heaths and young conifer plantations suitable for hen harrier roosting	Hen harrier	Other raptor species, waterfowl and waders.

2.5 Field Surveys

25. Several survey methods were employed during the winter seasons between 2015/2016 and 2024/2025 (excluding 2021/2022, when no surveys were undertaken) and are discussed herein. Due to the evolving nature of the Proposed Project, following recommendations during consultation, update of guidelines, identification of important bird areas during previous surveys or implications from the COVID-19 pandemic, additional survey methods were adopted, and new survey areas selected or disused. A summary table of each survey method used each season is provided in Table 2.2.

26. Survey methods were selected based on the evidence from the desktop study, previous survey results, and consideration of the consultation responses. The survey methods aimed to principally target species of conservation concern, with particular reference to waders and raptors.

27. Weather conditions during all surveys were adequate for surveys. No surveys were conducted during windy (> force five)/very wet conditions, which can affect visibility, in particular on Lough Derg and Parteen Basin.

Table 2.2: Summary of Survey Methods Conducted Between the Winter Seasons of 2015/2016 and 2024/2025

Year	Vantage Point Surveys (Parteen Basin)	Vantage Point Surveys (38 kV Uprate)	Vantage Point Surveys (Infrastructure Sites)	Wintering Water Bird Counts I-WeBS (Lough Derg and Parteen)	Wintering Water Bird Counts I-WeBS (Treated Water Pipeline)	Hen Harrier Roost Survey
2015/2016	✓	x	x	✓	✓	x
2016/2017	✓	x	x	✓	✓	✓
2017/2018	✓	x	x	✓	✓	✓
2018/2019	✓	x	x	✓	✓	✓
2019/2020	✓	✓	x	✓	✓	✓
2020/2021	✓	✓	✓	✓	x	✓
2022/2023	✓	✓	✓	✓	x	x
2023/2024	✓	✓	✓*	✓	x	x
2024/2025	✓	✓	✓	✓	x	x

* = Only the RWI&PS and WTP infrastructure sites were surveyed.

2.5.1 Vantage Point Surveys

28. The VP survey methodology broadly followed guidelines issued by the Scottish Natural Heritage (SNH 2017). Vantage Point surveys aim to quantify the level of flight activity, pattern of use and its distribution over the survey area. Vantage Points are fixed locations, which are strategically positioned to provide a maximum viewshed of the survey area from a minimum number of locations. The viewshed of a given VP extended to a distance no greater than 2km and included an arc of no greater than 180 degrees, as per (SNH 2017). The

timing of watches was tailored to the ecology of the target species present on site, including dawn, day and dusk surveys. A minimum of 36 hours per VP (6 hours per month) per season was recorded. Field information recorded included; dates, VP location, weather, survey start and end time, species observed, time of observation, number of individuals per observation and the reference number to flightline. All flightlines of target species were mapped on field sheets. Behavioural observations were also recorded.

29. For the winter seasons from 2015/2016 to 2024/2025 (excluding 2021/2022, when no surveys were undertaken) the VP surveys were undertaken from three fixed point locations around upper Parteen Basin and lower Lough Derg. The location of each VP is mapped in Annex A. The aim of this survey was to give further context to the assessment of connectivity between Parteen Basin and Lough Derg. The surveys were designed to map the connectivity between Lough Derg and Parteen Basin in order to determine whether Parteen Basin constituted a non-designated sub-site of the wider Lough Derg (Shannon) SPA, with nationally important numbers of resident wintering wildfowl.

30. Following an internal review and examination of desktop resources, additional VP surveys were undertaken in the winter season 2020/2021, 2022/2023 and 2024/2025 from five fixed locations along the Proposed Project, specifically where the key infrastructure sites will be located. These sites included the RWI&PS, WTP, BPT, BPS and the TPR. In 2023/2024 only the RWI&PS and WTP surveys were repeated as the results from the surveys undertaken at the BPT, BPS and the TPR did not yield any significant findings in previous years (i.e. low numbers of target species were recorded). The location of each VP is mapped in Annex A. The aim of these surveys was to establish the winter bird usage of these areas and identify any potential roosting, feeding, or commuting locations around the sites.

31. The addition of the 38kV Uprate works into the Proposed Project required the need for additional VP surveys for the winter seasons of 2019/2020, 2020/2021, 2022/2023, 2023/2024 and 2024/2025. These were undertaken from four fixed point locations within the study area of the 38 kV Uprate Works. These locations were positioned in suitable habitats along the existing OHLs, including Parteen Basin, the Lower River Shannon, and the Headrace Canal. The location of each VP is mapped in Annex A. The aim of this survey was to establish the flightlines of target species commuting in the area of the Proposed Project, with particular emphasis along the Lower River Shannon SAC, and to determine winter bird usage in the area and if there could be a collision risk with OHLs.

2.5.2 Wintering Water Bird Counts (I-WeBS)

32. The I-WeBS is an annual monitoring programme which surveys winter water birds across Ireland. The survey runs from September to March each winter. The survey involves conducting monthly counts during the survey season.

33. Monthly counts were conducted at wetland water bird sites during daylight hours (at dawn or before dusk) from suitable VPs using binoculars and/or telescope, as required.

34. Counts were conducted in wetland habitat locations in the following areas; Lough Derg, Parteen Basin and proposed route of the Treated Water Pipeline. The locations of these survey sites are shown in Annex A and grid coordinates are provided in Annex D. Given the passage of time from when surveys first commenced, survey sites and subsite locations were re-reviewed prior to commencing the 2020/2021 winter surveys. Following this review, some locations surveyed from 2015/2016 to 2019/2020 were discontinued due to limited results obtained and/or were not needed, as coverage of an area could be better obtained from a different location.

35. The VPs were positioned at regular intervals around Lough Derg in order to achieve maximum coverage of the waterbody and its adjoining shores. Due to the size of Lough Derg, the surveys were usually carried out over two consecutive days per month, where the lake was separated between the east and west side. Counts at Parteen Basin were carried out on the same day. From winter 2019/20 onwards three surveyors were deployed at the same time to cover the entire lake and to avoid inaccuracies by double counting. One

surveyor covered the eastern shore of the lake, a second surveyed from the western shore and the third surveyor covered Parteen Basin and locations on the southern shore of Lough Derg.

36. Known I-WeBS sites were surveyed along the route of the Treated Water Pipeline, in addition to areas of suitable habitat or where target species were known to congregate. These habitats were determined by use of aerial mapping and extensive windscreen surveys along the proposed route, as well as from knowledge obtained while carrying out other field surveys for the Proposed Project.

37. Waterbird counts were conducted on the 'look-see' basis (Bibby *et al.* 2000) which involved scanning across the survey area and counting all the birds seen. Birds were recorded on a count form according to their species code developed by the British Trust for Ornithology. Information collected included; numbers of wildfowl or wader species, the presence of marked birds (leg-ringed or neck-collared), weather conditions and habitat types.

38. These surveys aimed to assess the distribution and abundance of wintering water birds within the wider surroundings of the Proposed Project and to determine if populations of species were of national or international importance.

39. Where a species is present at a site in concentrations of 1% or more of the 'flyway' population (i.e., a route between breeding and wintering areas taken by concentrations of migrating birds), the site is said to be of international importance for that species. National importance is based on a site supporting 1% or more of the All-Ireland population estimate of a species. The 1% thresholds for national and international populations of each bird species are listed Annex D. The 1% national estimates are based on Burke *et al.* (2018), while the 1% international estimates are based on data retrieved from Wetlands International (2022).

2.5.3 Hen Harrier Roost Survey

40. Hen harrier roost surveys were conducted where suitable roosting habitat was found onsite or within the study area of the Proposed Project. The Proposed Project traverses three 10km grid squares with known hen harrier roosts. Hen harrier may roost communally in winter, generally in rank ground vegetation (Clarke and Watson 1997). Suitable roosting habitat is typically restricted to dense vegetation such as heath/bog, plantation forests that had not reached thicket stage, scrub, grassland, crops, dunes, marshes and reedbeds (O'Donoghue, 2021). Although this species breeds in upland areas, wintering birds disperse widely and can frequently be found in lowland areas of the midlands of Ireland. Hen harrier roost surveys were conducted from the edge of public roadways at nine locations in winter 2016/2017. This was reduced to seven locations the following year due to limited potential, lack of hen harrier recordings and distance from the Proposed Project. For winter 2019/2020 two new locations were added, and one old location was removed, leaving a total of eight survey locations. During winter 2020/2021 the number of survey locations was increased to fourteen following feedback from consultations with the Irish Hen Harrier Study group. The locations where hen harrier roost surveys were conducted are shown in Annex A and listed in Annex D.

41. Hen harrier roost survey methods followed those set out by Gilbert *et al.* (1998) and the Irish Hen Harrier Winter Roost Survey recommendations from O'Donoghue (2019). Surveyors were in place at least an hour before sunset and recorded all observations of hen harrier until last visible light. Information recorded by surveyors from the VPs included; the number of hen harrier entering a roost, the time, age and sex, where possible.

2.5.4 Survey Constraints

42. Counts recorded at Lough Derg were minimum estimates for duck, rail, wader, and other smaller waterfowl species due to the expansive nature of Lough Derg, i.e., these species could not always be accurately identified due to distance of the observed birds from the survey VPs. However, duck usage on the open water of the lake was very limited, meaning most ducks were within an identifiable range of the VP location.

In addition, many duck/smaller wildfowl concentrate in dense reedbeds and cannot be accurately counted. Minimum estimates were recorded to account for this.

43. The sites surveyed along the route of the Treated Water Pipeline were selected each year based on desktop study results, feedback from consultation, and a review of available data from previous years surveys. Due to the large scale of the study area, priority areas that are likely to be regularly used by wintering target species were selected to be surveyed. For example, known wetlands such as bogs or lakes were selected over flooded agricultural grassland, that may be very occasionally used by wintering water birds. Thus, there is a potential some wintering/migratory waterfowl sites were not surveyed. However, the potential risks of this having occurred are low and the results obtained from surveyed sites are deemed robust, to provide an accurate usage of the route of the Treated Water Pipeline by wintering target species.

44. The I-WeBS around Lough Derg between the winter seasons of 2015/2016 to 2018/2019 were carried out over a two-day period from November to April inclusive, rather than over one day. There is a possibility that there may be an inaccuracy in the results due to this, as bird species may have been double counted. This was changed from the winter 2019/2020 onwards, when three surveyors were deployed at the same time to cover the entire lake in one day and to avoid inaccuracies by double counting.

45. All surveys (I-WeBS, VP, and hen harrier roost surveys) for the 2020/2021 winter bird season, were conducted from November 2020 to April 2021 (instead of October to March), due to a delay in the programme as a result of COVID-19 restrictions. Despite the delay in programme, robust surveys were undertaken ensuing the appropriate number of hours and survey effort went into all surveys.

46. Throughout the survey period human disturbance was noted at VPs. Parteen Basin recorded several records of fishing and leisure boats as well as kayakers traveling up and down the waterbody, some of which caused disturbance to roosting and feeding bird species. On the Lower River Shannon, the VP for this location was situated near a local rowing club, where rowing activity was recorded on numerous occasions. These disturbance events did not impact on the results obtained and showed that bird communities regularly experienced some form of disturbances. The severity of which depended on what caused the disturbance event. Some habituation behaviours were observed.

3. Results

47. Annex C provides a database, which details the monthly bird counts at Lough Derg, Parteen Basin, and along the route of the Treated Water Pipeline. Information recorded included; site, subsite name (VP location), species code[5] (target and secondary species) and species name. Summary statistics were calculated for each species for all surveyed months. It is important to note that areas that did not contain any target species during the surveys are not displayed in the results in Annex C. A summary of the key findings for each study area is detailed in Section 3.2. Results of the desktop study are outlined in Section 3.1, which also notes the key sensitive bird receptors within the study area and the reasoning for surveys. Annex A shows important bird areas throughout Lough Derg, Parteen Basin and the route of the Treated Water Pipeline. These areas were classified as important if they had consistent congregations of waterbird species and records of wintering species of high (Red Listed) and medium (Amber Listed) conservation concern as identified by Gilbert *et al.* (2021).

3.1 Desktop Study Results

48. A desktop study was conducted with regards to wintering birds within the study areas. In particular, relatively recent information was reviewed on sensitive wintering bird distribution in Balmer *et al*. (2013) and population estimates from Burke *et al.* (2018). In addition, extensive detailed information on key wintering bird sites in Lewis *et al.* (2019) was considered. This information was carefully reviewed to identify key sites ('international', 'national' and 'notable/ regional importance') where field survey efforts should focus. Bird count data from Lough Derg for the winters 2009/2010 and 2010/2011 was also made available by NPWS and data from 2012/2013 up to 2024/2025 was subsequently made available by BirdWatch Ireland (in May 2024) and was fully reviewed to inform the surveys. Where necessary, footnotes are detailed throughout this report with references to desktop study data.

3.1.1 Lough Derg (including Lough Derg (Shannon) SPA)

49. The Lough Derg (Shannon) SPA Site Synopsis document states that Lough Derg is of importance for both breeding and wintering birds. In winter, the lake is important for a range of waterfowl species, especially diving ducks, with nationally important populations of tufted duck (776), goldeneye (157) and mute swan (164) (figures are average peaks for four of the five seasons 1995/1996 - 1999/2000). Other species which occur include cormorant (90), whooper swan (18), wigeon (249), teal (301), mallard (376), black-headed gull (732), coot (173), curlew (66), lapwing (922) and little grebe (14). Lough Derg has traditionally been used by a relatively small flock of Greenland white-fronted geese based in the Lough Derg/Lough Graney area and possibly further afield. A small flock of 19 were recorded in 1996/1997 on callow land near Portumna. Few sightings of the Greenland white-fronted geese have been made at either site in recent years (NPWS 2014).

50. The key/target wintering bird species on Lough Derg were the special conservation interest species of Lough Derg (Shannon) SPA. These species include; cormorant, tufted duck, and goldeneye (common tern is also a qualifying species for the SPA, but as it is only a breeding species it is not included in this report). Secondary species included other wintering species which regularly reach national/international count levels within Lough Derg, such as mute swan.

51. The surveys focused on all potential wintering bird species of conservation concern, including species listed on Annex I of the EU Birds Directive (79/409/EEC)[6], and breeding/wintering species of high (Red Listed) and medium (Amber Listed) conservation concern as identified by Gilbert *et al.* (2021). In addition, more common species (Green Listed), potentially sensitive to the development, were identified and recorded.

[5] British Trust for Ornithology (BTO) Code. Available at: https://www.bto.org/sites/default/files/u16/downloads/forms_instructions/bto_bird_species_codes.pdf

[6] The species listed in Annex I of the EU Birds Directive are those in danger of extinction, rare, vulnerable to specific changes in their habitat requiring particular attention for reasons of the specific nature of their habitat.

52. A summary description is provided below of more recent I-WeBS data[7] (2009/2010, 2010/2011, 2012/2013, 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2021/2022, 2022/2023, 2023/2024 and 2024/2025) for the target species.

3.1.1.1 Mute Swan (*Cygnus olor*)

53. Mute swan is not a special conservation interest species of Lough Derg (Shannon) SPA. However, Lough Derg is internationally important for wintering mute swan. Counts regularly reached 1% international threshold levels[8] of 100 birds up to 2013/2014 (Lewis *et al.* 2019). I-WeBS data provided by BWI of more recent counts from 2018/2019 up to 2024/2025, showed the species reached international numbers again in four of the six years surveyed.

3.1.1.2 Cormorant (*Phalacrocorax carbo*)

54. Cormorant are a special conservation interest species of Lough Derg (Shannon) SPA. Cormorant numbers reach national significance on Lough Derg. Numbers regularly reached national importance of over 110 birds up to 2015/2016 (Lewis *et al.* 2019). I-WeBS data from BWI indicates that numbers exceeded 1% national levels in 2009/2010, 2010/2011, 2015/2016, 2017/2018, 2018/2019, 2020/2021, 2021/2022, 2022/2023, 2023/2024 and 2024/2025). Numbers typically are at their highest close to breeding time (March) as a large breeding colony exists on the northern shore of Lough Derg, where they nest in trees. The population on Lough Derg appears relatively stable/slightly increasing.

3.1.1.3 Goldeneye (*Bucephala clangula*)

55. This species is a special conservation interest of Lough Derg (Shannon) SPA. Goldeneye numbers have been known to reach national significance on Lough Derg. Numbers regularly exceeded national importance up to 2012/2013 from aerial surveys (Lewis *et al.* 2019). However, a review of recent I-WeBS data from BWI indicates that numbers did not reach national levels (40 birds) in winters 2015/2016 up to 2024/2025. The population on Lough Derg appears relatively stable/slightly decreasing.

3.1.1.4 Tufted Duck (*Aythya fuligula*)

56. Tufted duck are a special conservation interest species of Lough Derg (Shannon) SPA. Tufted duck numbers do not reach international significance on Lough Derg. Numbers regularly reached national importance up to 2015/2016 (Lewis *et al.* 2019). A review of recent I-WeBS data provided by BWI indicates that numbers regularly reached national population levels (270 birds) in winters 2009/2010, 2010/2011, 2012/2013, 2015/2016, 2016/2017, 2017/2018, 2019/2020, 2021/2022 and 2022/2023. The population on Lough Derg appears relatively stable/slightly decreasing (BirdWatch Ireland 2024).

57. The Lough Derg study area also supports a diverse range of other wader, wildfowl, raptor and gull species which were also searched for during the surveys:

- *Waders;* curlew, lapwing (*Vanellus vanallus*), golden plover (*Pluvialis apricaria*), woodcock (*Scolopax rusticola*), snipe (*Gallinago gallinago*)
- *Waterfowl*; wigeon (*Anas Penelope*), teal (*Anas crecca*), shoveler (*Anas clypeata*), grey heron (*Ardea cinerea*), mallard (*Anas platyrhynchos*), greylag geese (*Anser anser*), kingfisher (*Alcedo atthis*), great crested grebe (*Podiceps cristatus*), coot (*Fulica atra*), little grebe (*Tachybaptus ruficollis*) and moorhen (*Gallinula chloropus*)

[7] Data was supplied by the Irish Wetland Bird Survey (I-WeBS), a scheme coordinated by BirdWatch Ireland under contract to the National Parks and Wildlife Service of the Department of Housing, Local Government and Heritage

[8] A site is of international importance if it supports, at least 1% of the international population of a waterbird species. A site is often designated for populations which reach this 1% threshold.

- *Raptors*; white-tailed sea eagle (*Haliaeetus albicilla*), peregrine (*Falco peregrinus*), kestrel (*Falco tinnunculus*), sparrowhawk (*Accipiter nisus*) and hen harrier

- *Gull*; black-headed gull (*Chroicocephalus ridibundus*), common gull (*Larus canus*), great-black backed gull (*Larus marinus*), lesser-black backed gull (*Larus fuscus*).

58. Additionally, an updated data request was made to NPWS in 2025, which provided records on some protected wintering species, namely the Greenland white-fronted goose. The data received included a number of records for the species; however, the majority of these were historic and considered outdated. The species has experienced a significant decline in its wintering range in recent decades, as evidenced by the older records. More recent data indicated that the only confirmed occurrences of Greenland white-fronted goose were within the River Little Brosna Callows, which lies outside the ZoI of the Proposed Project.

3.1.2 Middle Shannon Callows SPA

59. A small area of the Middle Shannon Callows SPA, located close to Portumna, on Lough Derg only, was included within the survey area, though much of this area is inaccessible. The nature and scale of the Proposed Project rule out significant effects to the vast majority of this SPA (upstream of Portumna), hence this area was scoped out as not requiring surveys. Wintering special conservation interest species of this site targeted for survey included; whooper swan, wigeon, golden plover, lapwing and black-tailed godwit. The site also contains other special conservation interest species, but as these are for their breeding populations; they are not applicable for winter surveys.

3.1.3 Parteen Basin

60. This area is not a designated conservation site for birds but is included in the Lower River Shannon SAC. It consists of a reservoir created behind the Parteen Weir in the Old River Shannon channel below Killaloe/Ballina. Although not within the Lough Derg (Shannon) SPA, the area is connected to the SPA via the River Shannon and a number of qualifying interest species can be found here. A local NPWS Conservation Ranger highlighted that tufted duck, in particular, concentrate in this area (*pers. comm.,* November 2014).

61. A review of I-WeBS data supplied by BirdWatch Ireland from 2015/2016 to 2024/2025, for the River Shannon (Lower) (site code: 0H301), in the subsite of Killaloe to O'Briensbridge (which contains Parteen Basin) (site code: 0H397) recorded the following:

3.1.3.1 Mute Swan

62. Mute swan were regularly recorded on the River Shannon (Lower) I-WeBS site at Parteen Basin, as they foraged and used it as a commuting corridor. No national or internationally important numbers were recorded during previous I-WeBS conducted by BirdWatch Ireland.

3.1.3.2 Cormorant

63. According to the BirdWatch Ireland I-WeBS data, cormorant numbers did not reach international or national importance on the River Shannon (Lower) I-WeBS site at Parteen Basin.

3.1.3.3 Tufted Duck

64. Tufted duck appear to regularly use Parteen Basin based on the review of the I-WeBS data, which indicates that numbers regularly reached nationally important population levels (270 birds) in winters 2015/2016 up to 2024/2025.

3.1.3.4 Goldeneye

65. Goldeneye were regularly recorded on the Lower River Shannon at Parteen Basin and occurred in higher numbers compared to Lough Derg (Shannon). However, no national important numbers (40 birds) were recorded during previous I-WeBS conducted by BirdWatch Ireland, with the highest count being 37 in 2016/2017, which decreased steadily up to 2024/2025.

3.1.4 38 kV Uprate Works

66. Following a review of relevant literature and as discussed in the '*Ecology Guidelines for Electricity Transmission Projects Ecology'* (EirGrid 2011), above ground powerlines pose three main risks to birds (Haas *et al.* 2005; Bevanger and Brøseth 2004). These are:

    - Risk of collision
    - Risk of electrocution
    - Risks of displacement or loss of habitat quality.

67. Based on the desktop study, it is evident that the proposed 38 kV Uprate is a collision risk to bird species and that suitable mitigation is necessary to reduce the potential impact on birds. However, it must also be noted that the collision risk is not expected to increase due to the presence of the existing OHLs in place over the last 70 years.

68. The 38 kV Uprate Works cross the Lower River Shannon on one occasion between polesets 66B and 67B (Annex A). The Lower River Shannon forms part of the Lower River Shannon SAC and is approximately 200m wide at the 38 kV Uprate works crossing points. The Lower River Shannon is designated as an SAC due to the presence of Annex I habitats and Annex II aquatic species. There are no ornithological qualifying interests; however, it does serve as a commuting corridor for many bird species, and therefore there is a potential collision risk with OHLs.

69. The Lower River Shannon and the Headrace are used as commuting corridors between the Shannon Estuary, Parteen Basin and Lough Derg (Shannon) SPA by species such as cormorant. Bird count data of the Lower River Shannon for winter 2015/2016 up to 2024/2025 were made available upon request from BirdWatch Ireland (BirdWatch Ireland 2024). A summary description is provided below of the I-WeBS data received.

70. The target wintering bird species identified for the 38 kV Uprate Works are those listed as having a high collision risk with OHLs. Target species identified for survey included; mute swan, cormorant, greylag goose, little grebe, mallard, moorhen and tufted duck.

3.1.4.1 Mute Swan

71. Mute swan were regularly recorded on the Lower River Shannon, as they foraged and used it as a commuting corridor. This species is Amber Listed and are a high-risk species in terms of collision with OHLs. No national or internationally important numbers were recorded during previous I-WeBS conducted by BirdWatch Ireland.

3.1.4.2 Cormorant

72. According to the I-WeBS data, cormorant numbers did not reach international or nationally important number on the Lower River Shannon. This species regularly commutes along the Lower River Shannon and is considered at high risk for collision with OHLs. Cormorant are Amber Listed in Ireland's Birds of Conservation Concern.

3.1.4.3 Tufted Duck

73. Tufted duck are Amber Listed and are considered to be at high risk from collision with OHLs. A review of the I-WeBS data indicates that numbers regularly reached nationally important population levels (270 birds) in winters 2015/2016 up to 2024/2025.

3.1.4.4 Mallard

74. Mallards are Green Listed; however they are a high-risk species when it comes to collisions with OHLs. The BirdWatch Ireland I-WeBS data shows that they did not reach nationally important numbers.

3.1.4.5 Greylag Goose

75. The greylag goose is an Amber Listed species and considered to be at high risk for collision with OHLs. Greylag goose did reach nationally important numbers according to the I-WeBS information from 2016/2017, 2018/2019, 2020/2021,2021/2022, 2023/2024 and 2024/2025. It is also noted that some of the species encountered along the Lower River Shannon belong to a feral population.

3.1.4.6 Little Grebe

76. Little grebe I-WeBS data shows that they regularly meet the threshold for national importance (20), with numbers exceeding this between 2015/2016 and 2018/2019, but failed to do so in subsequent years. Little grebe are Green Listed but are considered to be a high risk when it comes to collision with OHLs.

3.1.4.7 Moorhen

77. Moorhen have not met national importance in recent years according to the I-WeBS data. They are Green Listed but are considered to be a high-risk species when it comes to collision with OHLs.

78. The Lower River Shannon also supports a diverse range of other waders which are medium risk and were included in the survey; curlew, lapwing, common sandpiper, and snipe.

3.2 Field Survey Results

3.2.1 Lough Derg

79. Table 3.1 provides a yearly maximum count for the entire of Lough Derg for the winter seasons from 2015/2016 up to 2024/2025. Table 3.2 provides summary statistics of the wintering water bird count surveys (I-WeBS) findings for Lough Derg. Count data (maximum, minimum and range values) and the total maximum count (highest recorded monthly number) for target and secondary bird species on Lough Derg are all detailed. The survey data results of total counts are available in Annex C and list the number of species encountered each month. The thresholds are outlined in Annex E.

80. A summary of the survey findings for each species, including target species, habitats and areas utilised, are detailed in Table 3.3. The results of the surveys highlight that Lough Derg is used by noteworthy numbers of wintering greylag goose, most of which migrate from breeding areas in Iceland. The remainder are resident feral birds descended from birds released during the 20th century (Boland and Crowe 2008). Lough Derg is also used by noteworthy numbers of cormorant, mute swan, tufted duck, coot, great-crested grebe and little grebe. These species were recorded at nationally important numbers during surveying (Annex C and E).

Table 3.1: Lough Derg Maximum Yearly I-WeBS Counts for the Winter Bird Seasons from 2015/2016 to 2024/2025

Species	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2022/2023	2023/2024	2024/2025
Black-headed gull	604	1042	682	828	1258	355	235	350	401
Common gull	185	35	7	0	5	0	1	4	1
Common sandpiper	0	0	0	0	0	0	1	0	0
Common tern	0	0	0	0	0	0	1	1	0
Coot	339*	268	135	204	144	86	35	45	86
Cormorant	**77**	**274[1]***	**129***	**380[1]***	**197***	**187***	**74**	**153***	**298[1]***
Curlew	24	3	10	22	21	1	1	17	1
Gadwall	0	64*	0	12	0	0	0	0	0
Golden plover	60	0	33	0	400	0	12	0	0
Goldeneye	**17**	**12**	**6**	**31**	**13**	**12**	**3**	**6**	**6**
Great black-backed gull	4	5	4	0	1	0	0	0	0
Great crested grebe	27	47*	54*	72*	40*	57*	43*	40*	42*
Great northern diver	0	1	0	0	0	2	1	1	3
Great white egret	0	0	0	2	0	0	0	0	0
Grey heron	13	19	5	6	4	2	3	4	29*
Greylag goose	91*	367*	89*	59*	191*	54*	118*	75*	110*
Herring gull	0	3	0	5	16	2	0	0	0
Kingfisher	0	2	3	0	0	2	2	6	1
Lapwing	370	288	296	200	800	204	75	26	130
Lesser black-backed gull	5	6	6	2	41	2	6	11	65
Little egret	0	8	2	10	3	9	4	7	3
Little grebe	12	52*	69*	43*	47*	48*	18	22*	46*
Mallard	58	91	106	74	66	91	165	202	186
Moorhen	5	5	16	4	7	23	6	16	12
Mute swan	97*	248**	112**	147**	150**	130**	162**	94*	167**
Pochard	0	0	0	8	0	2	0	2	0
Red-breasted merganser	0	0	0	2	2	4	2	0	0
Redshank	12	0	0	0	0	0	0	0	0
Scaup	0	0	0	12	13	1	0	0	0
Scoter	0	0	0	0	0	1	0	0	0
Shoveler	0	0	0	10	3	0	0	0	0
Snipe	0	3	3	5	0	0	0	27	2
Teal	16	42	97	16	12	6	70	9	24
Tufted duck	**795***	**703***	**581***	**559***	**442***	**179**	**351***	**285***	**222**
Water rail	0	6	1	1	0	1	1	2	4
White-tailed sea eagle	0	3	2	2	0	0	1	2	3
Whooper swan	26	69	51	61	79	21	128	1	36
Wigeon	0	2	0	100	0	0	0	0	2

Note: Special conservation interest wintering species for the Lough Derg (Shannon) SPA are in **bold**. Common Tern (not detailed) occurs in summer only.
* = a species has met or exceeded the 1% national threshold (Annex E)
** = a species has met or exceeded the 1% international threshold (Annex E)
[1] = count from late in survey season (March and April), high numbers due to breeding colonies.

Table 3.2: I-WeBS Summary Results of Bird Count Data for Lough Derg for the Winter Seasons from 2015/2016 to 2024/2025

Species Name	BTO Code	Number of Surveys	Number of Days Recorded	Maximum Yearly Count	Minimum Yearly Count	Range Over Survey Period
Black-headed gull	BH	73	69	1,258	235	235–1,258
Common gull	CM	73	15	185	0	0–185
Common sandpiper	CS	73	1	1	0	0–1
Common tern	CN	73	2	1	0	0–1
Coot	CO	73	69	339*	35	35–339
Cormorant	**CA**	**73**	**68**	**380***	**74**	**74–380**
Curlew	CU	73	10	24	1	1–24
Gadwall	GA	73	4	64*	0	0–64
Golden plover	GP	73	3	400	0	0–400
Goldeneye	**GN**	**73**	**36**	**31**	**3**	**3–31**
Great crested grebe	GG	73	60	72*	27	27–72
Great northern diver	ND	73	7	2	0	0–2
Great white egret	HW	73	4	2	0	0–2
Greater black-backed gull	GB	73	9	5	0	0–5
Grey heron	H.	73	47	29*	2	2–29
Greylag goose	GJ	73	48	367*	54*	54–367
Herring gull	HG	73	12	16	0	0–16
Kingfisher	KF	73	24	6	0	0–6
Lapwing	L.	73	43	800	26	26–800
Lesser black-backed gull	LB	73	36	65	2	2–65
Little egret	ET	73	35	10	0	0–10
Little grebe	LG	73	70	69*	12	12–69
Mallard	MA	73	670	202	58	58–202
Moorhen	MH	73	59	23	4	4–23
Mute swan	MS	73	70	248**	94*	94–248
Pochard	PO	73	4	8	0	0–8
Red-breasted merganser	RM	73	4	4	0	0–4
Redshank	RK	73	1	12	0	0–12
Scaup	SP	73	4	13	0	0–13
Scoter	CX	73	1	1	0	0–1
Shoveler	SV	73	2	10	0	0–10
Snipe	SN	73	9	27	0	0–27
Teal	T.	73	26	97	6	6–97
Tufted duck	**TU**	73	**67**	**795***	**179**	179–795
Water rail	WA	73	19	6	0	0–6
White-tailed sea eagle	WE	73	20	3	0	0–3
Whooper swan	WS	73	34	128	1	1–128
Wigeon	W.	73	5	100	0	0–100

Note: Special conservation interest wintering species for the Lough Derg (Shannon) SPA are in **bold**. Common Tern (not in bold) occurs in summer only.
* = a species has met or exceeded the 1% national threshold (Annex E)
** = a species has met or exceeded the 1% international threshold (Annex E)

Table 3.3: Target Species/Groups Observed, Significance of Counts, and General Habitat and Areas Utilised at Lough Derg

Species	Special Conservation Interest Species of Lough Derg (Shannon) SPA	Target/ secondary Species	Habitat Observations/ Areas
Cormorant	Yes	Target	Cormorants were comparatively widespread throughout the lake. Roost sites with larger concentrations were widespread. Noteworthy roost sites occurred on the northern and north-eastern shorelines of Lough Derg. Cormorant occurred at nationally important levels in a number of years, mostly at the locations corresponding with a previously recorded nesting/roosting site.
Tufted duck	Yes	Target	Tufted duck were widespread and concentrated near the shoreline in shallower waters, particularly on the edges of reed-beds. No particular location was noted where they concentrate, however numbers were higher overall at the northern part of the lake which is consistent with the SPA area. Tufted duck populations regularly exceeded nationally import numbers during the survey period in all years except for 2020/2021 and 2024/2025. There was a noted decline in population size over the survey period, which corresponds largely with the population trend across Ireland (Burke *et al.* 2019).
Goldeneye	Yes	Target	Goldeneye occurred in small groups often close to larger tufted duck flocks. They were widespread near the shoreline and were not observed using the more open water sections of Lough Derg. No particular location was noted where they concentrate, however numbers were higher overall at the northern part of the lake which is consistent with the SPA area.
Coot	No	Target	Coot occurred in small groups. They were widespread near the shoreline and were not observed using the more open water sections of Lough Derg. No particular location was noted where they concentrated, however numbers were higher overall at the northern part of the lake which is consistent with the SPA area. There was a noted decline in population size over the survey period, which corresponds largely with the population trend across Ireland (Burke *et al.* 2019).
Mute swan	No	Target	Mute swan were widespread, using shallower areas close to the shoreline and islands rather than the more open sections of the lake. They concentrated near the shoreline in shallower waters in particular on the edges of reedbeds, typically occurring in small numbers; however, they were recorded in higher numbers along the eastern shores at sites such as Youghal harbour, Garrykennedy harbour and Skehanagh.
Other wildfowl	Yes[9]	Secondary	A large number of waterfowl including whooper swan, teal, mallard and other duck use the shorelines of Lough Derg at relatively low densities. No specific location was identified where they concentrated, though waterfowl usage generally was lower south of the Castlelough headland and increased from Youghal Bay north which is consistent with the SPA area. Other species such as common scoter, scaup and red-breasted merganser were recorded rarely.
Gulls	No[10]	Secondary	Large numbers of black-headed gull used Lough Derg and hinterland farmland throughout the winter. Many of these were likely individuals that breed on Lough Derg. They were very widespread throughout Lough Derg. Smaller numbers of lesser black-backed and herring gulls used the lake during the winter.
Waders	Yes9	Secondary	Lapwing were relatively localised in distribution on the lake, occurring on lake shore fields in the north and north-west sections of Lough Derg. No other wader concentrations were noted. Small numbers of curlew were recorded during the surveying period.
White-tailed sea eagle	No. Annex 1 species	Secondary	White-tailed sea eagle (recently re-introduced to Ireland) have bred near Mountshannon on the western side of Lough Derg. A pair was recorded during 2017 and 2025, and individual birds were recorded in 2018, 2019, 2022, 2023, 2024 and 2025.

[9] Other wildfowl and waders is a generic special conservation interest for the SPA which encompasses all wildfowl and waders.
[10] Black-headed Gull are listed as a special conservation interest breeding species (not wintering).

3.2.2 Parteen Basin

3.2.2.1 I-WeBS Results

81. Table 3.4 provides a yearly maximum count for the entire of Parteen Basin for the winter seasons from 2015/2016 up to 2024/2025. Table 3.5 provides summary statistics of the survey findings for Parteen Basin, which has been identified as the proposed abstraction location. Count data per subsite or VP (maximum, minimum and range values) and the total maximum count over the survey period (November to April) for target and secondary bird species are all detailed in the table. The survey data results are provided within Annex C, with total count information per month.

Table 3.4: Parteen Basin Maximum Yearly I-WeBS Counts for the Winter Bird Seasons from 2015/2016 to 2024/2025

Species	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2022/2023	2023/2024	2024/2025
Black-headed gull	46	106	70	67	115	111	41	2	30
Coot	205*	54	30	3	0	30	1	1	0
Cormorant	20	44	6	13	14	9	15	5	14
Curlew	0	7	0	0	0	0	0	3	0
Goldeneye	5	1	10	5	2	10	11	1	12
Great black-backed gull	0	1	0	0	0	1	0	0	0
Great crested grebe	3	10	4	5	6	12	5	3	2
Great northern diver	0	0	1	0	0	0	0	0	1
Great white egret	0	1	0	0	0	0	0	0	0
Grey heron	1	5	1	3	2	2	1	2	1
Greylag goose	17	5	10	1	2	4	35	9	21
Herring gull	0	1	0	1	1	2	0	0	0
Kingfisher	0	3	0	1	1	0	2	1	2
Lapwing	140	0	34	55	50	110	56	77	63
Lesser black-backed gull	0	1	2	0	2	1	2	1	0
Little egret	0	1	0	0	0	0	1	0	1
Little grebe	21*	54*	29*	14	14	8	0	3	8
Mallard	21	37	6	15	18	12	10	7	18
Moorhen	0	6	1	2	0	1	2	0	2
Mute swan	68	37	23	28	28	41	46	63	38
Pochard	30	12	2	0	8	10	0	0	3
Redshank	1	1	0	1	0	4	1	3	7
Scaup	0	0	0	0	0	0	0	2	0
Teal	0	5	8	9	0	0	0	0	9
Tufted duck	827*	276*	350*	628*	530*	700*	220	441*	868*
Whooper swan	9	2	0	6	0	0	20	0	0
White-tailed sea eagle	0	0	0	0	0	0	1	0	0
Wigeon	0	7	0	0	0	0	0	0	4

Note: * = a species has met or exceeded the 1% national threshold (Annex E)

Table 3.5: I-WeBS Summary Results of Bird Count Data for Parteen Basin from 2015/2016 to 2024/2025

Species Name	BTO Code	Number of Surveys	Number of Days Recorded	Maximum Yearly Count	Minimum Yearly Count	Range Over Survey Period
Black-headed gull	BH	56	35	115	2	2–115
Coot	CO	56	10	205*	0	0–205
Cormorant	CA	56	49	44	2	2–44
Curlew	CU	56	2	7	0	0–7
Goldeneye	GN	56	16	12	1	1–12
Great black-backed gull	GB	56	4	1	0	0–1
Great crested grebe	GG	56	34	12	1	1–12
Great northern diver	ND	56	2	1	0	0–1
Great white egret	HW	56	1	1	0	0–1
Grey heron	H.	56	23	5	1	1–5
Greylag goose	GJ	56	15	35	1	1–35
Herring gull	HG	56	5	2	0	0–2
Kingfisher	KF	56	11	3	0	0–3
Lapwing	L.	56	20	140	0	0–140
Lesser black-backed gull	LB	56	8	2	0	0–2
Little egret	ET	56	4	1	0	0–1
Little grebe	LG	56	23	54*	0	0–54
Mallard	MA	56	38	37	3	3–37
Moorhen	MH	56	12	6	0	0–6
Mute swan	MS	56	53	68	6	6–68
Pochard	PO	56	9	30	0	0–30
Redshank	RK	56	17	7	0	0–7
Scaup	SP	56	1	2	0	0–2
Teal	T.	56	5	9	0	0–9
Tufted duck	TU	56	49	868*	32	32–868
White-tailed sea eagle	WE	56	1	1	0	0–1
Whooper swan	WS	56	5	20	0	0–20
Wigeon	W.	56	2	7	0	0–7

Note: * = a species has met or exceeded the 1% national threshold (Annex E)

3.2.2.2 VP Surveys Results

82. Table 3.6 provides a summary of the flight activity from VP surveys for the following target species; tufted duck, mute swan and little grebe during the winter seasons from 2015/2016 up to 2024/2025. Other species were recorded flying between Lough Derg and Parteen Basin, however these species were often recorded in low numbers or are not special conservation interest species of the Lough Derg (Shannon) SPA. The table presents the total number of species records over the winter seasons, the number of these that were observed flying and the number that were recorded flying within Parteen Basin/Lough Derg, or those that indicated some connectivity between the sites.

Table 3.6: Vantage Point Flightline Summary for Tufted Duck, Mute Swan and Little Grebe Over the Survey Period of 2015/2016 up to 2024/2025

Species	Year	Total Number Recorded (Flights and Non-Flights)	Total Flights Recorded	Flights within Parteen Basin or Lough Derg	Flights Indicating Possible Connectivity Between Lough Derg and Parteen Basin
Tufted duck	2015/2016	3,071	105	105	0
	2016/2017	1,946	33	31	2
	2017/2018	2,754	25	24	1
	2018/2019	2,093	68	65	3
	2019/2020	2,223	41	41	0
	2020/2021	16	2	2	0
	2022/2023	523	6	6	0
	2023/2024	496	302	302	0
	2024/2025	1,004	42	42	0
Mute swan	2015/2016	140	27	16	11
	2016/2017	36	18	17	1
	2017/2018	25	17	16	1
	2018/2019	58	21	19	2
	2019/2020	44	19	19	0
	2020/2021	2	2	2	0
	2022/2023	184	34	18	16
	2023/2024	182	15	15	6
	2024/2025	262	56	38	36
Little grebe	2015/2016	24	10	10	0
	2016/2017	2	2	2	0
	2017/2018	0	0	0	0
	2018/2019	98	8	8	0
	2019/2020	0	0	0	0
	2020/2021	0	0	0	0
	2022/2023	1	1	1	0
	2023/2024	4	0	0	0
	2024/2025	2	2	2	0

83. There was little movement of tufted duck, mute swan and little grebe during the winter bird seasons between 2015/2016 and 2024/2025. The populations of these species appear to be localised within Parteen Basin and Lough Derg, based on the evidence of flight activity recorded. No connective flight activity for little grebe was recorded during the survey period.

3.2.2.3 Spatial Distribution of Wildfowl on Parteen

84. The spatial distribution of wildfowl on Parteen Basin can be seen in Figure 12 within Annex A. Wildfowl tended to flock together in large rafts on open water, and on the western side. Data gathered during the wintering bird seasons between 2015/2016 and 2024/2025 showed that the wildfowl usually congregated on the western shore in windier conditions or to avoid disturbance from boat activity, where they would take shelter using the landscape features and shallower water.

3.2.3 Treated Water Pipeline (Including Associated Key Infrastructure Sites)

3.2.3.1 I-WeBS Results

85. Accessible I-WeBS sites along the route of the Treated Water Pipeline were surveyed from winter 2015/2016 to winter 2019/2020 for water birds. Although this corridor encompasses an extensive area (approximately 172km in length) there are relatively few significant winter bird sites. Table 3.7 provides summary statistics of the survey findings for the Treated Water Pipeline route. Count data per subsite or VP (maximum, minimum and range values) and the total maximum count over the survey period (November to April) for target and secondary bird species are all detailed in the table. The survey data results are provided within Annex C, with total count information per month.

Table 3.7: I-WeBS Summary Results of Bird Count Data for the Route of the Treated Water Pipeline from 2015/2016 to 2019/2020

Species Name	BTO Code	No. of Surveys	No. of Days Recorded	Maximum Count per Subsite	Minimum Count per Subsite	Range per Subsite
Black-headed gull	BH	57	27	930	0	0–930
Buzzard	BZ	57	21	2	0	0–2
Coot	CO	57	26	13	0	0–13
Cormorant	CA	57	11	3	0	0–3
Dipper	DI	57	1	1	0	0–1
Eurasian teal	T.	57	16	160	0	0–160
Gadwall	GA	57	1	4	9	0–4
Golden plover	GP	57	8	220	0	0–220
Great crested grebe	GG	57	6	11	0	0–11
Grey heron	H.	57	23	3	0	0–3
Greylag goose	GJ	57	1	16	0	0–16
Hen harrier	HH	57	1	1	0	0–1
Herring gull	HG	57	3	1	0	0–1
Kestrel	K.	57	17	2	0	0–2
Kingfisher	KF	57	3	1	0	0–1
Lapwing	L.	57	24	644	0	0–644
Lesser black-backed gull	LB	57	6	18	0	0–18
Little egret	ET	57	4	8	0	0–8
Little grebe	LG	57	22	15	0	0–15
Mallard	MA	57	40	35	0	0–35
Moorhen	MH	57	23	7	0	0–7
Mute swan	MS	57	41	10	0	0–10
Pochard	PO	57	4	14	0	0–14
Shoveler	SV	57	10	15	0	0–15
Snipe	SN	57	7	7	0	0–7
Tufted duck	TU	57	25	132	0	0–132
Water rail	WA	57	2	2	0	0–2
White-tailed sea eagle	WE	57	1	1	0	0–1
Whooper swan	WS	57	29	127	0	0–127
Wigeon	W.	57	16	220	0	0–220

3.2.3.2 VP Surveys Results

86. For the winter seasons 2020/2021, 2022/2023 and 2024/2025 the proposed key infrastructure sites were surveyed to provide winter bird usage of these areas; the locations of which can be seen in Annex A: Figure 3 to 7. Table 3.8 to Table 3.11 provide a summary of what species were encountered, their abundance, location, and a brief note on activity. As previously noted, during the 2023/2024 season only the RWI&PS and WTP key infrastructure sites were surveyed.

Table 3.8: Summary of Gull Species Recorded During Winter Bird Key Infrastructure Site VPs (2020/2021, 2022/2023, 2023/2024 and 2024/2025)

Date	Location	BTO Code	Species	Number	Notes
16/11/2020	RWI	BH	Black-headed gull	10	Flock in field near VP
17/11/2020	WTP	BH	Black-headed gull	30	Flock of 30 landed in field below VP and flew east
14/12/2020	RWI	BH	Black-headed gull	25	Flock in field near VP roosting onsite
15/12/2020	WTP	GZ	Glaucous gull	1	Single bird flying north-east
17/12/2020	TPR	HG	Herring gull	1	Commuting
23/03/2021	WTP	GZ	Glaucous gull	1	Single bird flying east
25/03/2021	TPR	GB	Great black-backed gull	1	Meandering flight
25/03/2021	TPR	GB	Great black-backed gull	2	Meandering flight
25/03/2021	TPR	GB	Great black-backed gull	4	Meandering flight
08/04/2021	BPS	LB	Lesser black-backed gull	1	Commuting
09/04/2021	TPR	GB	Great black-backed gull	5	Commuting
09/04/2021	TPR	HG	Herring gull	1	Commuting
09/01/2023	RWI	BH	Black-headed gull	14	Foraging along embankment
13/02/2023	RWI	BH	Black-headed gull	110	Foraging on farmland, flew up briefly twice
14/02/2023	RWI	BH	Black-headed gull	65	-
10/02/2023	BTP	LB	Lesser black-backed gull	1	Flew across field and out of view
06/12/2023	RWI	BH	Black-headed gull	4	Commuting
06/12/2023	RWI	BH	Black-headed gull	5	Commuting
11/01/2024	RWI	BH	Black-headed gull	3	Commuting
18/10/2024	TPR	BH	Black-headed gull	4	Flew over area
18/10/2024	TPR	LB	Lesser black-backed gull	1	Flew over area
18/10/2024	TPR	LB	Lesser black-backed gull	1	Flew over area
24/10/2024	RWI&PS	BH	Black-headed gull	1	Single BH flyover
13/11/2024	TPR	LB	Lesser black-backed gull	2	Commuting over area
13/11/2024	TPR	LB	Lesser black-backed gull	8	Commuting over area
15/11/2024	BPS	LB	Lesser black-backed gull	2	Commuting over area
28/01/2025	RWI&PS	BH	Black-headed gull	10	A group of BH circling
28/01/2025	RWI&PS	BH	Black-headed gull	1	Single BH flying

Table 3.9: Summary of Raptor Species Recorded During Winter Bird Key Infrastructure Site VPs (2020/2021, 2022/2023,2023/2024 and 2024/2025)

Date	Location	BTO Code	Species	Number	Notes
16/11/2020	RWI	K.	Kestrel	1	Hunting/hovering and circling over wood and grassland. Headed north
17/11/2020	BPT	BZ	Buzzard	1	Hunting over woodland, flew out over improved agricultural grassland
17/11/2020	BPT	K.	Kestrel	1	Hunting/hovering and circling over wood and grassland. Headed back into wood
17/11/2020	BPT	K.	Kestrel	1	Hunting flight, perched in tree in hedgerow

Date	Location	BTO Code	Species	Number	Notes
17/11/2020	BPT	K.	Kestrel	1	Took off from tree and flew west hunting over improved agricultural grassland
17/11/2020	BPT	K.	Kestrel	1	Hunting flight. Flew into wood
18/11/2020	BPS	K.	Kestrel	1	Flew along treeline and road
19/11/2020	TPR	BZ	Buzzard	1	Calling to west of VP. Heard, not observed
19/11/2020	TPR	BZ	Buzzard	1	Hunting over spoil and bare ground, flew north and landed on hedge for 5 minutes. HC started to mob. BZ flew north-west over hedge and flushed GP
19/11/2020	TPR	BZ	Buzzard	1	Flew across arable crops and landed on hedge
19/11/2020	TPR	BZ	Buzzard	1	Same BZ as noted previously. Took off from hedge and flew south
19/11/2020	TPR	BZ	Buzzard	2	Flew west from hospital and landed on telegraph pole before flying on to woodland by farm to the west
14/12/2020	RWI	BZ	Buzzard	1	Soaring over grassland and forestry and flew north
15/12/2020	BPT	BZ	Buzzard	1	Flew from woodland, circled around a field while being mobbed by HC before flying back over woodland
15/12/2020	BPT	BZ	Buzzard	1	Flew from wood hunting across field
15/12/2020	BPT	K.	Kestrel	1	Flew out of woodland, hunted, hovering over field and into treeline
16/12/2020	BPS	SH	Sparrowhawk	1	Flew south across field and over treeline.
16/12/2020	BPS	SH	Sparrowhawk	1	Flew south-east across field and landed in tree. Flushed by surveyor and flew
17/12/2020	TPR	BZ	Buzzard	1	Hunting along hedgerow before disappearing having been joined by a second BZ
17/12/2020	TPR	SH	Sparrowhawk	1	Flew past VP to treeline around the hospital
17/12/2020	TPR	SH	Sparrowhawk	1	Flew from behind VP, across fields being mobbed by two HC and landed in conifers
17/12/2020	TPR	K.	Kestrel	1	Hunting over amenity grassland then flew into tree and perched
17/12/2020	TPR	K.	Kestrel	1	Same as above, flew from tree, hunted for five minutes before disappearing behind treeline
17/12/2020	TPR	K.	Kestrel	1	Hunting north, landed on electricity pole for six seconds before hunting back towards treeline
19/01/2021	BPT	K.	Kestrel	1	Not hunting. Flew directly east over treeline, across improved agricultural grassland, up over mixed broadleaved/conifer woodland
19/01/2021	BPT	BZ	Buzzard	1	Heard calling to south of VP
19/01/2021	WTP	K.	Kestrel	1	Hunting flight, perched in tree in hedgerow
19/01/2021	WTP	BZ	Buzzard	1	Soaring over grassland and forestry and flew west
20/01/2021	BPS	SH	Sparrowhawk	1	Flew from gate across field and over hedge. A minute later the flock of FF took off from trees to the north-east of the VP
21/01/2021	TPR	K.	Kestrel	1	Came from treeline by hospital and flew low along hedgerow.
08/02/2021	TPR	K.	Kestrel	1	Being mobbed by HC
08/02/2021	TPR	K.	Kestrel	1	Flew low along hedge
08/02/2021	TPR	K.	Kestrel	1	Circling round rough ground, hunting
10/02/2021	BPT	BZ	Buzzard	1	Heard calling from wood to south-east of VP
10/02/2021	BPT	K.	Kestrel	1	Flew out from wood, over VP
10/02/2021	BPT	K.	Kestrel	1	Flew south and landed in tree within a treeline to the south-east of VP. Perched for two minutes before flying to hawthorn bush in middle of field. Perched for 60 seconds before flying east across field, over treeline.
10/02/2021	BPT	BZ	Buzzard	1	Heard calling from over wood to south-west of VP
11/02/2021	BPS	SH	Sparrowhawk	1	Hunting across farmland. Flock of SG, RE and FF took off from foraging in field to a treeline
11/02/2021	BPS	SH	Sparrowhawk	1	Hunting low across fields and hedges

Date	Location	BTO Code	Species	Number	Notes
15/02/2021	RWI	HH	Hen Harrier	1	Male flying over scrub hunting headed west
15/02/2021	RWI	K.	Kestrel	1	Hunting/hovering and circling over wood and grassland. Headed back into wood
16/02/2021	WTP	BZ	Buzzard	2	Soaring birds possibly territorial flight over forestry
22/03/2021	RWI	HH	Hen harrier	1	Female hunting over grassland headed south
23/03/2021	BPT	K.	Kestrel	1	Flew directly to west of VP
23/03/2021	BPT	BZ	Buzzard	4	Circling and calling over wood to south of VP
24/03/2021	BPS	BZ	Buzzard	1	Hunting and circling
24/03/2021	BPS	SH	Sparrowhawk	1	Hunting B. down along hedgerow
25/03/2021	TPR	BZ	Buzzard	1	Calling and circling over hospital
25/03/2021	TPR	K.	Kestrel	1	Hunting
07/04/2021	BPT	BZ	Buzzard	1	Flew briefly out of wood, mobbed by HC before turning south
07/04/2021	BPT	BZ	Buzzard	1	Hunting over wood and out of view
07/04/2021	BPT	BZ	Buzzard	1	Hunting over wood and out of view
08/04/2021	WTP	BZ	Buzzard	1	Soaring bird high over conifer forestry
09/04/2021	TPR	SH	Sparrowhawk	1	Hunting, circling over hospital and adjacent woodland
09/04/2021	TPR	BZ	Buzzard	2	Hovering, circling over hospital and adjacent woodland
09/04/2021	TPR	K.	Kestrel	1	Hovering, circling over hospital and adjacent woodland
09/04/2021	TPR	K.	Kestrel	2	Hunting, circling over cropland before heading east and out of view
09/04/2021	TPR	BZ	Buzzard	1	Hunting, circling over cropland before heading east and out of view
09/04/2021	TPR	K.	Kestrel	1	Hunting
11/10/2022	RWI	BZ	Buzzard	1	Local flight over semi-improved grassland
11/10/2022	RWI	SH	Sparrowhawk	1	Local flight along hedge
13/10/2022	WTP	PE	Peregrine falcon	1	Adult PE, flying high, possibly commuting to quarry south of WTP site.
13/10/2022	WTP	BZ	Buzzard	1	Flew from west, and began circling/soaring heading north
13/10/2022	WTP	SH	Sparrowhawk	1	Male, flew fast and low, dropped suddenly to catch a MP and flew over hedge with its prey.
13/10/2022	WTP	K.	Kestrel	1	Male, flew into field and began hunting/hovering, then spotted surveyor and flew west then turned north
14/10/2022	TPR	BZ	Buzzard	2	Pair flew low to ground, and both landed on hedge.
14/10/2022	TPR	BZ	Buzzard	1	One of pair of BZ, left hedge and flew south
14/10/2022	TPR	BZ	Buzzard	1	One of pair of BZ, left hedge and flew south
14/10/2022	TPR	BZ	Buzzard	1	Slowly drifting south, towards recently ploughed field behind VP
24/10/2022	BPS	K.	Kestrel	1	Mobbed by several RO and HC
24/10/2022	BPS	HH	Hen harrier	1	Female, flew from north directly over VP, providing excellent view. Likely commuting to a roost near Slieve Bloom Mountains, did not stop or use land near BPS
25/10/2022	BTP	BZ	Buzzard	1	Flew over canopy and went out of view
25/10/2022	BTP	BZ	Buzzard	1	Circling over canopy for several minutes, outside of the Project Boundary at the Time of Survey
07/11/2022	RWI	BZ	Buzzard	1	Landed in field to feed on invertebrates
07/11/2022	RWI	K.	Kestrel	1	Flew along Parteen Basin embankment to plantation
08/11/2022	WTP	K.	Kestrel	1	Male, flew into field and began hunting/hovering, then drifted east, stopping to hover regularly
11/11/2022	BPS	SH	Sparrowhawk	1	Adult female, flew from south and tried to hunt a flock of SG, then dropping behind a hedge out of view
11/11/2022	BPS	SH	Sparrowhawk	1	Adult female, flew from north over fields and out of view over a treeline

Date	Location	BTO Code	Species	Number	Notes
14/11/2022	TPR	SH	Sparrowhawk	1	Female flew low to ground chasing LN but was unsuccessful and flew towards Paramount
14/11/2022	TPR	SH	Sparrowhawk	1	Female flew low to ground over fields
08/12/2022	WTP	BZ	Buzzard	1	Flew from east over fields and then turned heading back east
08/12/2022	WTP	SH	Sparrowhawk	1	Male flew low to ground over fields and hedges until out of view
09/12/2022	TPR	BZ	Buzzard	1	Flew from south calling, circled and flew south again
13/12/2022	BPS	BZ	Buzzard	1	Flew from south over hedge and drifting east, landing in a tree
13/12/2022	BPS	BZ	Buzzard	1	Previously recorded BZ, left tree and flew along north side of hedgerow, low and very fast past VP continued west, until out of view
09/01/2023	RWI	BZ	Buzzard	1	Circled over treeline
12/01/2023	WTP	BZ	Buzzard	1	Flew from north over area and drifted east
13/01/2023	BPS	K.	Kestrel	1	First seen flying low over field, rose and circled area before landed on electricity pole and perched for several minutes
13/01/2023	BPS	K.	Kestrel	1	Left electricity pole and travelled west hunting and briefly landing on electric wires before continuing out of view
13/01/2023	BPS	BZ	Buzzard	2	Pair drifting slowly west and calling before drifting over road until out of view
13/01/2023	BPS	K.	Kestrel	1	Flew low to ground, occasionally rising to begin hunting. Moved along hedge before crossing a road and out of view
16/01/2023	TPR	K.	Kestrel	1	Flew low over ground and hedges heading south-west until out of view
10/02/2023	BPS	SH	Sparrowhawk	1	Flew from east being mobbed by HC. Flushed large flock of SG feeding in improved agricultural grassland. Landed on borehole posts before flying north
10/02/2023	BPS	BZ	Buzzard	1	Commuting over area heading east
10/02/2023	BTP	K.	Kestrel	1	Hovering/hunting above hedgerow
16/02/2023	WTP	BZ	Buzzard	1	-
16/02/2023	WTP	BZ	Buzzard	1	-
17/02/2023	TPR	BZ	Buzzard	1	Seen on arrival, remained perched for a period of time
17/02/2023	TPR	BZ	Buzzard	1	Same bird that was perched on hedge on arrival, left and flew north, dropping out of view
07/03/2023	RWI	BZ	Buzzard	2	Circling over farmland calling
08/03/2023	RWI	K.	Kestrel	1	Hunting over farmland (male)
08/03/2023	RWI	SH	Sparrowhawk	1	Hunting along hedge
08/03/2023	RWI	BZ	Buzzard	1	Heard calling not seen
27/03/2023	TPR	BZ	Buzzard	1	Buzzard flying low over field
27/03/2023	TPR	BZ	Buzzard	1	Buzzard flying high over fields north of VP
27/03/2023	TPR	BZ	Buzzard	1	Buzzard flying along treeline
29/03/2023	BPS	K.	Kestrel	1	Adult female, flew from south over fields and out of view over hedge
23/10/2023	WTP	K.	Kestrel	1	Flew from east over fields leading west
24/10/2023	RWI	BZ	Buzzard	1	Adult circling over fields and conifers
21/11/2023	WTP	BZ	Buzzard	1	Flew over fields heading east
21/11/2023	WTP	SH	Sparrowhawk	1	Male, flew past VP heading north-east
06/12/2023	RWI	K.	Kestrel	1	Hunting (male)
07/12/2023	RWI	BZ	Buzzard	1	Flew between trees
07/12/2023	RWI	K.	Kestrel	1	Hunting over field and hedgerow
24/01/2024	WTP	BZ	Buzzard	1	Perched in tree before flying east out of view
26/02/2024	RWI	BZ	Buzzard	1	Flew between trees

Date	Location	BTO Code	Species	Number	Notes
26/02/2024	RWI	BZ	Buzzard	1	-
08/03/2024	RWI	K.	Kestrel	1	Local bird, male.
11/03/2024	WTP	HH	Hen harrier	1	Male HH took flight from the field - flying low towards the forest the above the treeline
11/03/2024	WTP	BZ	Buzzard	2	Two BZ circling/soaring
11/03/2024	WTP	HH	Hen harrier	1	Male HH came from east, then turned and flew back towards where he appeared from
11/03/2024	WTP	SH	Sparrowhawk	1	Mobbed by HC then flew south-west above the conifer plantation
11/03/2024	WTP	SH	Sparrowhawk	1	Possibly the same SH flew from the opposite way and landed in roughly the same area as it took off
18/10/2024	TPR	K.	Kestrel	1	Mobbed by rook
18/10/2024	TPR	K.	Kestrel	1	Low over ground
18/10/2024	TPR	K.	Kestrel	1	Low over ground
18/10/2024	TPR	PE	Peregrine	1	Low over ground, flying into wind and hunting
21/10/2024	BPS	BZ	Buzzard	1	Flew over fields
23/10/2024	BTP	BZ	Buzzard	1	Flew over area calling
23/10/2024	WTP	BZ	Buzzard	1	Single buzzard, small - potential male/juvenile, hunting
24/10/2024	RWI	BZ	Buzzard	1	Single buzzard perched on the edge of conifer plantation (WD4)
24/10/2024	RWI	BZ	Buzzard	1	Buzzard circling
13/11/2024	TPR	BZ	Buzzard	1	Fast flight, flushed a large number of wood pigeon and disappeared out of view
13/11/2024	TPR	BZ	Buzzard	1	Mobbed by pair of hooded crow
13/11/2024	TPR	BZ	Buzzard	1	Flying high over fields, flushed large flock of wood pigeon
13/11/2024	TPR	BZ	Buzzard	1	Flew past VP and turned south until out of view
13/11/2024	TPR	K.	Kestrel	1	Observed hunting for a number of minutes before moving out of view
14/11/2024	BTP	SH	Sparrowhawk	1	Female hunting along hedge
15/11/2024	BPS	SH	Sparrowhawk	1	Hunting along hedge before flying over hedge and getting out of view
25/11/2024	WTP	SH	Sparrowhawk	1	Male, low over ground and hunting, until out of view
25/11/2024	WTP	BZ	Buzzard	1	Flew over area
25/11/2024	WTP	K.	Kestrel	1	Male, low over ground and hunting, until dropping out of view
25/11/2024	WTP	K.	Kestrel	1	Male, low over ground and hunting, until dropping out of view
25/11/2024	WTP	K.	Kestrel	1	Male, low over ground and hunting, until landing in tree
25/11/2024	WTP	K.	Kestrel	1	Male, low over ground and hunting, until flying out of view
25/11/2024	WTP	K.	Kestrel	1	Male, low over ground and hunting, until flying out of view
25/11/2024	WTP	K.	Kestrel	1	Male, low over ground and hunting, flew over VP
26/11/2024	RWI	BZ	Buzzard	1	Flew over area until out of view in fog
02/12/2024	TPR	BZ	Buzzard	1	1 of 2 buzzard seen at same time, flew together on a number of occasions before both drifting out of view
02/12/2024	TPR	BZ	Buzzard	1	1 of 2 buzzard seen at same time, flew together on a number of occasions before both drifting out of view
02/12/2024	TPR	K.	Kestrel	1	Male, hunting until drifting out of view
02/12/2024	TPR	K.	Kestrel	1	Male, hunting until drifting out of view
02/12/2024	TPR	KT	Red kite	1	Commuting flight over area
04/12/2024	BPS	K.	Kestrel	1	Female, hunting for long time along hedge/field boundary before slowly drifting north until out of view
05/12/2024	BTP	BZ	Buzzard	1	Flew over area, until dropping out of view behind treeline
13/12/2024	WTP	K.	Kestrel	1	Watched for number of minutes hunting until out of view

Date	Location	BTO Code	Species	Number	Notes
15/01/2025	TPR	SH	Sparrowhawk	1	Male, hunting low over ground
15/01/2025	TPR	SH	Sparrowhawk	1	Male, hunting low over ground
15/01/2025	TPR	BZ	Buzzard	1	Hunting and flying over area
15/01/2025	TPR	K.	Kestrel	1	Male, flew low near hedge until out of view
15/01/2025	TPR	K.	Kestrel	1	Female, hunting low over ground over number of minutes
16/01/2025	BTP	SH	Sparrowhawk	1	Male hunting along hedge
16/01/2025	BTP	BZ	Buzzard	1	Flew over area calling
16/01/2025	BTP	BZ	Buzzard	1	Circled over area
16/01/2025	BTP	BZ	Buzzard	1	Flying over area along treeline then dropped out of view
22/01/2025	WTP	SH	Sparrowhawk	1	Female, commuting across fields
22/01/2025	WTP	SH	Sparrowhawk	1	Commuting across fields
22/01/2025	WTP	BZ	Buzzard	1	Commuting across fields
12/02/2025	TPR	K.	Kestrel	1	Female, hunting along hedge and field
13/02/2025	BPS	K.	Kestrel	1	Female flying over area
13/02/2025	BPS	K.	Kestrel	1	Female hunting over area
13/02/2025	BPS	K.	Kestrel	1	Female hunting over area
18/02/2025	WTP	BZ	Buzzard	1	Buzzard hunting
20/02/2025	RWI	BZ	Buzzard	1	Circled for a number of minutes until out of view
20/02/2025	RWI	BZ	Buzzard	1	Circling and mobbed by hooded crow
12/03/2025	WTP	BZ	Buzzard	1	Soaring and hunting
20/03/2025	BPS	BZ	Buzzard	1	Flew from west until turning north out of view
20/03/2025	BPS	BZ	Buzzard	1	Soaring over area

Table 3.10: Summary of Waterbird and Waterfowl Species Recorded During Winter Bird Key Infrastructure Site VPs (2020/2021, 2022/2023, 2023/2024 and 2024/2025)

Date	Location	BTO Code	Species	Number	Notes
17/11/2020	WTP	CA	Cormorant	1	Single bird flying east
15/12/2020	BPT	CA	Cormorant	2	Commuting
15/12/2020	WTP	CA	Cormorant	2	Pair flying east
17/12/2020	TPR	CG	Canada goose	1	Commuting
17/12/2020	TPR	CG	Canada goose	2	Commuting
17/12/2020	TPR	CG	Canada goose	2	Commuting
17/12/2020	TPR	CG	Canada goose	1	Commuting
18/01/2021	RWI	WS	Whooper swan	12	Small flock seen flying north-west
19/01/2021	WTP	CA	Cormorant	1	Single bird flying east
16/02/2021	WTP	CA	Cormorant	1	Single bird flying east
22/03/2021	RWI	WS	Whooper swan	10	Small flock seen flying north
09/04/2021	TPR	H.	Grey heron	1	Commuting towards canal. Hunting over crops
08/11/2022	RWI	MS	Mute swan	1	Single MS grazing on embankment
05/12/2022	RWI	ET	Little egret	1	Present for ten minutes then moved out of view
05/12/2022	RWI	CA	Cormorant	1	-
05/12/2022	RWI	CA	Cormorant	14	Day roost on Parteen Island
06/12/2022	RWI	ET	Little egret	1	Same location as on 05/12/2022
08/12/2022	WTP	CA	Cormorant	1	Flew directly over WTP area heading west
09/01/2023	RWI	WS	Whooper swan	13	Foraging in field for three hours
09/01/2023	RWI	CA	Cormorant	1	Flew over, landed in Parteen Basin
09/01/2023	RWI	WS	Whooper swan	17	Grazing in field

Date	Location	BTO Code	Species	Number	Notes
09/01/2023	RWI	MA	Mallard	2	Flew in from Parteen to land on bank
14/02/2023	RWI	ET	Little egret	1	-
14/02/2023	RWI	WS	Whooper swan	13	Foraging on improved agricultural grassland, same as January
16/02/2023	WTP	MA	Mallard	2	-
16/02/2023	WTP	MA	Mallard	2	-
07/03/2023	RWI	GJ	Greylag goose	4	Short flight along bank
07/03/2023	RWI	ET	Little egret	1	Short flight along bank
07/03/2023	RWI	CA	Cormorant	1	-
08/03/2023	RWI	MS	Mute swan	2	Pair flew along canal
08/03/2023	RWI	MA	Mallard	4	Flew from drain to Parteen Basin
24/10/2023	RWI	ET	Little egret	1	Landed on bank out of view
24/10/2023	RWI	ET	Little egret	1	Flew along bank out of view
27/10/2023	RWI	CA	Cormorant	1	-
27/10/2023	RWI	MS	Mute swan	4	One adult and three cygnets landed on Parteen Basin
27/10/2023	RWI	CA	Cormorant	1	Landed in drain on land side of bank
22/11/2023	RWI	ET	Little egret	2	-
22/11/2023	RWI	ET	Little egret	1	-
06/12/2023	RWI	ET	Little egret	1	Remained in the area
06/12/2023	RWI	CA	Cormorant	1	-
07/12/2023	RWI	T.	Teal	2	Pair flew from channel to Parteen Basin
09/01/2024	RWI	MS	Mute swan	1	Juvenile
09/01/2024	RWI	ET	Little egret	1	Stayed in area
11/01/2024	RWI	CA	Cormorant	1	Flew upstream and landed out of view
26/02/2024	RWI	WS	Whooper swan	21	Landed in Parteen Basin
28/02/2024	RWI	MA	Mallard	2	-
28/02/2024	RWI	MA	Mallard	2	-
24/10/2024	RWI	CA	Cormorant	1	Single cormorant flyover
24/10/2024	RWI	ET	Little egret	1	Single little egret took off from embankment and flew towards the treeline and out of view
25/11/2024	WTP	ET	Little egret	1	Commuting flight across area until out of view
26/11/2024	RWI	MA	Mallard	4	2 male and 2 female commuting over area
02/12/2024	TPR	MS	Mute swan	1	Juvenile commuting north
11/12/2024	RWI	CA	Cormorant	1	Flew from Parteen overland until out of view
11/12/2024	RWI	ET	Little egret	1	Flew from Parteen overland until out of view landing near river
13/12/2024	WTP	MA	Mallard	1	Male, fast commute over area
13/12/2024	WTP	MA	Mallard	1	Male, fast commute over area
28/01/2025	RWI	CA	Cormorant	1	Single cormorant flyover
28/01/2025	RWI	CA	Cormorant	3	Three cormorant flyover
28/01/2025	RWI	H.	Grey heron	1	Single grey heron flying from agricultural field towards the lake
20/02/2025	RWI	MS	Mute swan	1	Left water and flew over land until landing in river
21/02/2025	RWI	GJ	Greylag goose	2	Seen first over river then commuted south until out of view
24/03/2025	RWI	WS	Whooper swan	4	Seen flying over agricultural grassland, then turn over water and landed
24/03/2025	RWI	WS	Whooper swan	11	Seen flying over agricultural grassland, until out of view behind trees

Table 3.11: Summary of Wader Species Recorded During Winter Bird Key Infrastructure Site VPs (2020/2021, 2022/2023, 2023/2024 and 2024/2025)

Date	Location	BTO Code	Species	Number	Notes
19/11/2020	TPR	GP	Golden plover	n/a	Calling to the west of VP. Heard not observed
19/11/2020	TPR	GP	Golden plover	4	Flushed by BZ from field, flew east and landed.
14/12/2020	RWI	CU	Curlew	30	Flock of 30 present feeding on wet grassland near waterway
18/01/2021	RWI	CU	Curlew	26	Flock of 26 present feeding on wet grassland near waterway
15/02/2021	RWI	CU	Curlew	21	Flock feeding on wet grassland near waterbody
10/10/2022	RWI	CU	Curlew	1	Heard only
13/10/2022	WTP	SN	Snipe	1	Flushed and flew east when walking to VP
13/10/2022	WTP	SN	Snipe	9	Seen flying high over fields, direct flight heading south-west
24/10/2022	BPS	L.	Lapwing	14	Commuting flight, flew from north-east, over VP and continued south-west. Did not land
11/11/2022	BPS	GP	Golden plover	39	Flock flying high over fields. Only flew over area, did not interact or land within site
14/11/2022	TPR	GP	Golden plover	15	First heard, then seen high over field, circled once and flew south-west
14/11/2022	TPR	GP	Golden plover	15	First heard, then seen high over field, circling area before drifting south-west again
05/12/2022	RWI	L.	Lapwing	48	Feeding on bank for one hour, flying up once
05/12/2022	RWI	CU	Curlew	2	Feeding on bank
06/12/2022	RWI	CU	Curlew	2	Same location as on 05/12/2022
08/12/2022	WTP	SN	Snipe	1	Flew over VP calling heading north-east slowly rising until out of view
09/12/2022	TPR	GP	Golden plover	382	Large flock of GP roosting on frozen winter barley field. Remained at location throughout both dawn and day survey
09/12/2022	TPR	L.	Lapwing	3	L. roosting on frozen winter barley field
09/12/2022	TPR	L.	Lapwing	3	Flew south over hedges until out of view, did not return
09/12/2022	TPR	L.	Lapwing	17	Flew over hedges and field until out of view. Did not land
13/12/2022	BPS	L.	Lapwing	2	Pair seen feeding in frozen field. Continuously moving around the field. Did not see them fly in or where they came from
13/12/2022	BPS	GP	Golden plover	5	Pair seen feeding in frozen field. Continuously moving around the field. Did not see them fly in or where they came from. Foraging beside L.
13/12/2022	BPS	L.	Lapwing	2	Pair flew to north-east, possibly roosting at bog to north-east or at Lough Boora
13/12/2022	BPS	GP	Golden plover	5	Similar to pair of L., flock flew to north-east, possibly roosting at bog to north-east or at Lough Boora
12/01/2023	WTP	SN	Snipe	2	Pair flushed and flew north when walking to VP
16/01/2023	TPR	GP	Golden plover	147	Large flock of GP roosting on frozen winter barley field. Remained at location throughout both dawn and day survey
16/01/2023	TPR	GP	Golden plover	62	First heard, then seen high over field, circled and flew north-west until out of view
16/01/2023	TPR	L.	Lapwing	35	Seen flying over fields until out of view
14/02/2023	RWI	L.	Lapwing	40	Flew up from bank and dropped out of view, likely to be foraging along Parteen Basin. Bank out of view from VP
14/02/2023	RWI	L.	Lapwing	40	Lapwing circled briefly and settled in rush field (part of Pollagh Wetland)
16/02/2023	WTP	SN	Snipe	1	Flushed by surveyor
17/02/2023	TPR	GP	Golden plover	98	A large flock of GP flew over and did not land in area. Possibly roosting on other side of road to south of site
17/02/2023	TPR	GP	Golden plover	5	Small flock calling. Flew over and did not land in area. Possibly roosting on other side of road to south of site
06/12/2023	RWI	L.	Lapwing	43	Circling came to settle on wet fields
06/12/2023	RWI	L.	Lapwing	9	-

Date	Location	BTO Code	Species	Number	Notes
06/12/2023	RWI	L.	Lapwing	7	-
06/12/2023	RWI	L.	Lapwing	21	-
09/01/2024	RWI	L.	Lapwing	40	Stayed in area
09/01/2024	RWI	CU	Curlew	5	Flew along bank calling
24/10/2024	RWI	L.	Lapwing	25	A group of at least 25 lapwing on the embankment. Partially blocked by the treeline
15/11/2024	BPS	SN	Snipe	1	Commuting over area, flying high and fast
26/11/2024	RWI	CU	Curlew	2	Flew along and landed on bank and began foraging
26/11/2024	RWI	CU	Curlew	8	Flew along and landed on bank and began foraging
11/12/2024	RWI	CU	Curlew	2	Flew along and landed on bank and began foraging
15/01/2025	TPR	SN	Snipe	1	Commuting fast flight
20/02/2025	RWI	CU	Curlew	6	First heard calling and then landed along bank

3.2.3.3 Hen Harrier Roost Survey Results

87. A total of 15 sites were selected for hen harrier roost surveys, in areas with suitable habitat or known to be used by hen harriers (Annex A). These sites were surveyed from early November until late March/early April from 2016/2017 to 2020/2021. Sightings of hen harrier recorded over this period are provided in Table 3.12, noting the date, location and notes.

Table 3.12: Summary of Hen Harrier Sightings During Roost Surveys Between Winter 2016/2017 and 2020/2021.

Date	Location	Number of Sightings	Notes
08/11/2016	Sharavogue (County Offaly)	1	Male, landed to roost in habitat of first year forestry, approximately 1.3km north of the Project Boundary at the Time of Survey
22/11/2016	Timahoe East (County Kildare)	1	Male, landed to roost, approximately 200m to the south of the Project Boundary at the Time of Survey
01/12/2017	Kinnitty (County Offaly)	1	Adult female hunting over remnant bog approximately 1km south of the Project Boundary at the Time of Survey. Not observed roosting
11/02/2019	Mount Lucas (County Offaly)	1	Male observed briefly during survey, approximately 450m to the east of the Project Boundary at the Time of Survey. It was briefly observed flying in a westerly direction over some trees on the northern perimeter of the bog before it dropped out of view
11/11/2019	Mount Lucas (County Offaly)	1	Observed to the south-west of the VP, between the met mast and last turbine. Pair flew up for 15 seconds to 30-40m height
17/01/2021	Annaghmore Lough	1	HH type, unable to positively ID. Briefly seen at distance, clashing with Falcon

3.2.4 38 kV Uprate Works

3.2.4.1 VP Surveys

3.2.4.1.1 Key Target Species

88. Table 3.13 provides summary statistics of the survey findings for the VP surveys for flightline and non-flightline records. Number of months recorded, maximum, minimum and range values for target and secondary bird species are all detailed in the table. The survey data results of total counts are available in Annex C, and list the number of species encountered each month.

89. A summary of the survey findings for each species, including target species, habitats and areas utilised, are detailed in Table 3.14, with flightlines displayed in Annex B.

Table 3.13: 38kV VP Summary Results of Bird Count Data for the Study Area between Winter 2019/2020 and 2024/2025

Species Name	BTO Code	Survey Period (months)	Recorded During Survey Period (months)	Maximum Count	Minimum Count	Range	Total Observations Over Survey Period
Black-headed gull	BH	31	30	210	0	0–210	4,441
Buzzard	BZ	31	6	1	0	0–1	10
Cormorant	CA	31	25	38	1	1–38	902
Canada goose	CG	31	1	2	0	0–2	2
Coot	CO	31	6	20	0	0–20	75
Common sandpiper	CS	31	13	3	0	0–3	29
Curlew	CU	31	12	13	0	0–13	148
Dipper	DI	31	1	1	0	0–1	1
Little egret	ET	31	11	3	0	0–3	38
Great black-backed gull	GB	31	2	2	0	0–2	6
Goosander	GD	31	1	3	0	0–3	6
Green sandpiper	GE	31	15	2	0	0–2	34
Great crested grebe	GG	31	10	4	0	0–4	20
Great northern diver	ND	31	1	1	0	0–1	1
Greylag goose	GJ	31	23	36	0	0–36	833
Goldeneye	GN	31	7	9	0	0–9	32
Grey heron	H.	31	19	1	0	0–1	62
Herring gull	HG	31	6	2	0	0–2	18
Hen harrier	HH	31	1	1	0	0–1	1
Kestrel	K.	31	23	2	0	0–2	79
Kingfisher	KF	31	15	2	0	0–2	25
Lapwing	L.	31	20	101	0	0–101	2,813
Lesser black-backed gull	LB	31	27	17	0	0–17	180
Little grebe	LG	31	11	4	0	0–4	29
Mallard	MA	31	29	27	0	0–27	999
Moorhen	MH	31	15	8	0	0–8	57
Marsh harrier	MR	31	1	1	0	0–1	1
Merlin	ML	31	1	1	0	0–1	1
Mute swan	MS	31	30	32	0	0–32	719
Oystercatcher	OC	31	1	2	0	0–2	2
Peregrine falcon	PE	31	3	2	0	0–2	3
Pochard	PO	31	8	10	0	0–10	37
Redshank	RK	31	28	7	0	0–7	125
Ringed Plover	RP	31	1	1	0	0-1	1
Short-eared owl	SE	31	1	1	0	0–1	1
Sparrowhawk	SH	31	9	1	0	0–1	9
Snipe	SN	31	7	29	0	0–29	119
Scaup	SP	31	2	4	0	0–4	5
Teal	T.	31	12	36	0	0–36	131
Tufted duck	TU	31	22	900*	0	0–900	9,183
Wigeon	WN	31	4	12	0	0–12	21
White-tailed sea eagle	WE	31	1	1	0	0–1	1
Whooper swan	WS	31	11	17	0	0–17	70
Woodcock	WK	31	1	1	0	0–1	1

Note: * = a species has met or exceeded the 1% national threshold (Annex E)

Table 3.14: Target Species/Groups Observed, Significance of Counts, and General Habitat and Areas Utilised Within the 38kV Study Area Between Winter 2019/2020 and 2024/2025.

Species	High/Medium Risk Species (EirGrid 2011)	Habitat Observations/Areas
Cormorant	High	Cormorants were recorded regularly as they were commuting along the Lower River Shannon, Headrace Canal and across Parteen Basin. They were also recorded on a few occasions as they foraged in these areas. They were not recorded at nationally important numbers; however, they are considered a high risk for collision with OHLs.
Canada goose	High	A single pair of Canada geese were recorded at Parteen Basin in March 2021. The species was only recorded foraging on the water during the survey period.
Common sandpiper	Medium	Common sandpiper was observed frequently as it foraged along the shoreline of the Headrace Canal. It was also once recorded foraging at the Lower River Shannon. This species is considered at medium risk to collision with OHLs, however it was not observed flying at collision height.
Curlew	Medium	Curlew is considered to be at medium risk of collision with OHLs. This species was observed infrequently at Parteen Basin as it foraged along the shoreline. It was not recorded flying near the existing OHLs during the survey period.
Green sandpiper	Medium	Green sandpiper was recorded infrequently as they foraged along the edge of the Headrace Canal and at Parteen Basin. This species was recorded flying infrequently and always below the existing OHLs.
Great crested grebe	High	Great crested grebe was encountered infrequently as they foraged on Parteen Basin. Although this species is considered a high risk of collision with OHLs, it was not recorded flying in the vicinity of the lines. This species spends most of its time on open unvegetated waters.
Greylag goose	High	Greylag goose is a species at high risk of collision with OHLs. It was recorded frequently throughout the study area with commuting flights along the Lower River Shannon, Headrace Canal and to Parteen Basin. It was recorded roosting on a spit of land on Parteen Basin on arrival during dawn surveys.
Goldeneye	High	Goldeneye occurred in small groups often close to larger tufted duck flocks. They were usually found near the shoreline of Parteen Basin. This species has not been recorded at nationally important numbers and was not observed flying in the proximity of the OHLs.
Goosander	High	Goosander is at high risk of collision with OHLs. The species was recorded once in Parteen Basin where it was observed flying from the Headrace Canal. The three individuals were observed landing in the water in Parteen Basin where they began foraging.
Lapwing	Medium	Lapwing is a species at medium risk of collision with OHLs. It was recorded frequently throughout the study area, with commuting flights along the Lower River Shannon, Headrace Canal and Parteen Basin. The species was often recorded resting along the shoreline of Parteen Basin or the banks of the Headrace Canal, typically in flocks which ranged in numbers from two to 101.
Little grebe	High	Little grebe was encountered infrequently as they foraged on Parteen Basin, the Headrace Canal and the Lower River Shannon. Although this species is considered at high risk of collision with OHLs, it was not recorded flying at collision height or in the vicinity of the lines. This species spends most of its time near the shoreline, particularly among reedbeds.
Mallard	High	Mallard is a species at high risk of collision with OHLs. It was recorded frequently throughout the study area with commuting flights along the Lower River Shannon, Headrace Canal, open countryside and Parteen Basin. This species regularly commuted in the vicinity of the OHLs.
Moorhen	High	Moorhen was encountered infrequently as they foraged on Parteen Basin and the Lower River Shannon. Although this species is considered at high risk of collision with OHLs, it was not recorded flying in the vicinity of the OHLs. This species spends most of its time near the shoreline, particularly among reedbeds.
Mute swan	High	Mute swan were widespread using shallower areas close to the shoreline and islands rather than the more open sections of water. They concentrated near the shoreline in shallower waters on the edges of reedbeds. It was recorded frequently throughout the study area with commuting flights along the Lower River Shannon, Headrace Canal and Parteen Basin. It was recorded flying at collision height on one occasion in 2019 as it commuted along the Lower River Shannon.
Pochard	High	Pochard can be found during the winter as they forage on lakes, reservoirs, and estuaries. They are a high-risk species of collision with OHLs. Pochard was recorded on eight occasions at Parteen Basin. This species was only recorded foraging and was not witnessed flying in the vicinity of the OHLs.
Redshank	Medium	Redshank was frequently recorded as it foraged along the edge of the Headrace Canal. It was not observed flying in the vicinity of the OHLs. Redshank are common waders throughout the country and can be often seen foraging along coastal and inland wetlands.

Species	High/Medium Risk Species (EirGrid 2011)	Habitat Observations/Areas
Ringed plover	Medium	Ringed plover is a species at medium risk from collision with OHLs. It was only recorded once flying low above the water at O'Briensbridge.
Snipe	Medium	Snipe were recorded very infrequently throughout the study area, having been recorded six times, foraging along the banks of the Headrace Canal. This species was not recorded flying within the vicinity or the OHLs. They are of medium collision risk with OHLs.
Scaup	High	Scaup are a species high at risk from collision with OHLs. It was only recorded once on Parteen Basin among a raft of tufted ducks and was not recorded flying within the vicinity of the OHLs.
Teal	High	Teal are a species high at risk from collision with OHLs. They were recorded infrequently within the study area as they foraged on two occasions on the Headrace Canal and twice at Parteen Basin. They were not recorded flying within the vicinity of the OHLs. Teal usually forage near the shoreline in shallower waters.
Tufted duck	High	Tufted duck were present on Parteen Basin and concentrated near the shoreline in shallower waters on the edges of reedbeds. Tufted duck populations exceeded the 1% national threshold (270) at Parteen Basin on a number of occasions with the highest number recorded being 900 in January 2021 (refer to Annex D). They were infrequently recorded flying and not observed near any OHLs.
Wigeon	High	Wigeon are a species high at risk from collision with OHLs. It was only recorded twice on Parteen Basin, with a pair foraging along the shoreline. The species was not recorded flying within the vicinity of the OHLs.
Whooper swan	High	Whooper swan were recorded on Parteen Basin and the open countryside infrequently and with low numbers during the surveys. They are considered a high-risk species in terms of collision with OHLs; however, they were not observed flying at Parteen Basin and were recorded flying above existing OHLs at a VP overlooking the open countryside.

3.2.4.1.2 Secondary Target Species

90. The surveys also recorded several species which are considered at low risk of collision with OHLs, but which frequented the study area. These species were not considered target species; however, this section presents a brief overview of waders, gulls, and raptors which were observed in the study area.

3.2.4.1.2.1 Gull Species

91. Black-headed gull is an Amber Listed species (breeding and wintering) and were regularly observed commuting through the study area. This species generally followed aquatic features and were recorded commuting over the Lower River Shannon, Headrace Canal and Parteen Basin.

92. Great black-backed gull is a Green Listed species and was only recorded once, when two birds were recorded flying over Parteen Basin.

93. Herring gull (*Larus argentatus*) is an Amber Listed species and was recorded on six occasions throughout the VP surveys as they foraged and commuted along the Lower River Shannon.

94. Lesser black-backed gull is an Amber Listed species and were recorded on 30 occasions during the VP surveys. This species was recorded throughout the entire study area.

3.2.4.1.2.2 Raptors

95. Buzzard (*Buteo buteo*) is a Green Listed species. It was recorded on a number of occasions flying or hunting at a number of different locations within the study area.

96. Hen harrier is an Amber Listed species (breeding only). It was recorded on one occasion hunting under the existing OHLs near bog land, likely on passage.

97. Marsh harrier (*Circus aeruginosus*) is an Amber Listed species (breeding only). It was recorded on one occasion along the Lower River Shannon, likely on passage.

98. Merlin (*Falco columbarius*) is an Amber Listed species (breeding only). It was recorded on one occasion at Parteen Basin, where it was recorded hunting.

99. Peregrine falcon is listed on Annex I of the Birds Directive and classed as a Green Listed species. It was recorded hunting on three occasions throughout the study area.

100. Short-eared owl (*Asio flammeus*) is an Amber Listed species. It was recorded on one occasion along the headrace canal, likely on passage.

101. Sparrowhawk is a Green Listed species. It was recorded hunting on nine occasions throughout the study area.

3.2.4.1.2.3 Waterbirds

102. Grey heron is a Green Listed species which were regularly recorded foraging and commuting throughout the study area.

103. Little egret (*Egretta garzetta*) is listed on Annex I of the Birds Directive and classed as a Green Listed species. This species was recorded on 35 occasions as it foraged and commuted at Parteen Basin.

3.2.4.1.2.4 Kingfisher

104. Kingfisher is listed on Annex I of the Birds Directive and classed as an Amber Listed species (breeding only). It was recorded on nine occasions as it foraged along the Headrace Canal, Lower River Shannon, and Parteen Basin.

4. Discussion

4.1 Lough Derg I-WeBS

105. Lough Derg supports nationally important numbers of waterfowl. This avian community is widely distributed throughout the lake. Fringing wetlands and shallow bay habitats are where waterfowl concentrate for foraging and loafing activity on Lough Derg. A summary of target winter bird species recorded (cormorant, tufted duck, goldeneye and mute swan) is provided below. Values for nationally important numbers are also provided in Annex E.

4.1.1 Cormorant

106. Cormorants exceeded nationally important numbers (i.e., greater than 110) during seven winter seasons on Lough Derg (in 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2023/2024 and 2024/2025). Large numbers were recorded roosting on islands near Terryglass Harbour and Gortmore to the north of Lough Derg. Cormorants have a very scattered and relatively widespread distribution on Lough Derg during the winter. During the breeding season they concentrate at a large nesting colony on the northern shoreline of Lough Derg. Cormorant also more regularly use open lake habitat at the centre of the lake in comparison to other species.

4.1.2 Tufted Duck

107. Numbers of tufted duck exceed nationally important numbers (270) during nearly all the survey periods from winter 2015/2016 to 2024/2025 (with the exception of 2020/2021 and 2024/2025) on Lough Derg. The largest number recorded throughout Lough Derg over the survey period was 795 individuals; this was mostly made up of several smaller flocks scattered throughout the lake. Tufted duck are distributed throughout the smaller bays and fringing reedbed habitats of Lough Derg and around the fringe of islands. The open deeper waters, which form the vast majority of Lough Derg, are not regularly utilised by tufted duck.

4.1.3 Goldeneye

108. Numbers of goldeneye did not reach national importance (40) during any of the winter seasons and numbers were low. A maximum count of 31 was recorded on Lough Derg in 2018/2019. Goldeneye are distributed throughout the smaller bays of Lough Derg and around the fringe of islands often associated with the larger flocks of tufted duck.

4.1.4 Mute Swan

109. Numbers of mute swan exceeded national importance numbers (90) during the survey seasons (from 2015/2016 to 2024/2025) on Lough Derg and also exceed international importance (100) during eight of these seasons (2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2022/2023 and 2024/2025). These records were often made up of several individuals or small flocks, scattered throughout Lough Derg. Mute Swan has a very scattered distribution on Lough Derg and largely concentrated in lake habitats adjacent to fringing wetland (reeds) and other shoreline habitats, around islands and in particular the more sheltered bays e.g., Youghal, Dromineer (Annex A). The open deep water, which makes up the majority of the lake, is infrequently used.

4.1.5 Other Species

110. Numbers of little grebe exceeded national importance (20) during seven survey seasons on Lough Derg (2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2023/2024 and 2024/2025). Little grebe were widespread on Lough Derg and were usually found in lake habitats adjacent to fringing wetland (reeds) and other shoreline habitats.

111. Great-crested grebe utilised areas of deeper water throughout Lough Derg, where they were widespread in their distribution. They exceeded national importance (30) during seven survey seasons on Lough Derg (2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2022/2023, 2023/2024 and 2024/2025).

112. Greylag geese exceeded nationally important numbers (35) during nine survey seasons on Lough Derg (2015/2016 to 2024/2025, excluding 2021/2022 when no surveys were conducted). There is a feral population in Ireland, however some of the population which breeds in Iceland also over-winter here. Greylag geese used to concentrate more on estuaries, where they fed on the roots of rushes and sedges, however they are now spending increasingly more time feeding on arable farmland.

113. As shown in Table 3.2 and Table 3.3, Lough Derg supports a wide range of other wintering bird species. Similarly, to the species detailed above, distribution of most species is focussed on fringing lake habitats and the interface between open water and these habitats, i.e., reedbeds and other wetlands. Other wetland species including; whooper swan (Annex I EU Birds Directive), mallard (Amber Listed BoCCI), lapwing (Red Listed BoCCI, (Annex I EU Birds Directive, Amber Listed BoCCI) and curlew (Red Listed BoCCI) were recorded infrequently and/or in low numbers.

4.2 Parteen Basin I-WeBS

114. These surveys aimed to provide data on the distribution and abundance of wintering/migratory water birds in Parteen Basin. The target species for these surveys included tufted duck, little grebe and mute swan.

4.2.1 Tufted Duck

115. Tufted duck exceeded nationally important numbers (i.e., greater than 270) during seven of the survey seasons (2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2023/2024 and 2024/2025). Tufted duck often formed one large or several small flocks on Parteen Basin during the winter bird seasons.

4.2.2 Little Grebe

116. Little grebe exceeded nationally important numbers (i.e., greater that 20) during three of the survey seasons (2015/2016, 2016/2017 and 2017/2018). Little grebe was often recorded as individuals or pairs and were distributed throughout Parteen Basin, often close to the shallower water edges or near reedbeds.

4.2.3 Mute Swan and Goldeneye

117. Mute swan was not recorded in nationally important numbers during the surveying periods nor was goldeneye, which was infrequently recorded and occurred in low numbers.

118. Tufted duck, mute swan and little grebe have a widespread distribution within Ireland, and their wintering populations are broadly considered stable or slightly decreasing (Burke *et al.* 2018). Habitat suitable for tufted duck, mute swan and little grebe exists throughout the River Shannon catchment. It can be seen in Figure 12 within Annex A that tufted duck do not tend to forage in the immediate vicinity of the RWI&PS, with the closest raft of birds tending to accumulate approximately 500m to the west. In general, the shallower waters of the wetland habitats on the western shore of the basin are favoured for foraging by the wintering bird aggregations at the lake.

4.3 Parteen Basin VP Surveys

119. A low number of tufted duck, mute swan, and little grebe connectivity flights between Lough Derg and Parteen Basin were recorded during VP surveys, between November 2015 and March 2025. The majority of flights for these species occurred within Parteen Basin or lower Lough Derg and limited numbers were recorded commuting between the waterbodies. These results indicate the populations of tufted duck, mute swan and

little grebe are generally sedentary and localised within Parteen Basin and Lough Derg, especially during daylight hours when all the VP surveys took place.

120. Although not a target species, black-headed gull was regularly recorded during VP surveys between November 2015 and March 2025. Flights for this species showed they regularly commuted between and used Parteen Basin and Lough Derg for foraging and roosting.

4.4 Spatial Distribution of Wildfowl on Parteen

121. As shown in Figure 12 within Annex A, the spatial distribution of wildfowl on Parteen Basin is spaced out into small circular areas throughout the basin. Most wildfowl are mainly unsociable during the breeding season and usually stick to their breeding pairs (except for non-breeding juveniles). However, during the wintering season, wildfowl become more gregarious, gathering on large wetlands and shallow lakes. Wildfowl on Parteen Basin tended to flock together in large rafts on open water, and on the western side. They usually select loafing and roosting sites based on temperature, wind speed and weather conditions. They particularly congregated on the western shore in windier conditions, where they would take shelter using the landscape features. They generally did not concentrate in the vicinity of the proposed RWI&PS.

4.5 Route of the Treated Water Pipeline – I-WeBS

122. The I-WeBS along the Treated Water Pipeline study area did not identify any significant winter bird locations. No species counts reached national or international importance levels within this study area over the course of surveying. Areas of local importance are highlighted in Annex A and included Ardcroney, Coolderry, Lough Ourna and Cushaling due to the numbers of bird species which occurred here.

4.6 Route of the Treated Water Pipeline – Vantage Point Surveys

123. Activity at the five VPs at the key infrastructure sites ranged from low to moderate throughout the survey period. Target species such as waders, waterfowl, and other water birds were not frequently observed, nor were they found in concentrations that would indicate these sites were used for roosting or as main foraging areas.

124. Between December 2020 and February 2021, a small flock of curlew (Red Listed BoCCI) was observed foraging in the vicinity of the RWI&PS, with a small number of individuals also recorded in the same area in October and December 2022. This flock consistently utilized the same few fields throughout this period, located along the edge of the Project Boundary at the time of survey. Golden plover (Red Listed BoCCI) were regularly observed foraging and roosting near the TPR during the 2020/2021 and 2022/2023 survey seasons. A flock of up to 382 individuals were recorded roosting or feeding in the open arable fields within and surrounding the Project Boundary at the time of survey. The species was absent in the 2024/2025 season due to the established crop of winter barley and presence of construction activity to the north of the TPR, making the site unsuitable.

125. Raptor species such as buzzard (Green Listed BoCCI), sparrowhawk (Green Listed BoCCI),) and kestrel (Red Listed BoCCI) were recorded frequently and in low numbers. Hen harrier (Amber Listed BoCCI) were also recorded infrequently. For all the raptor species recorded they were typically found commuting over the sites or hunting for brief periods. It is not believed they are dependent on the areas for roosting or as main foraging areas.

4.7 Route of the Treated Water Pipeline – Hen Harrier Roost Survey

126. Hen harriers were infrequently recorded over the survey period and were often recorded in low numbers. No definitive hen harrier roosts were identified during the survey season from the winter of 2016/2017 up to 2020/2021, from any of the survey areas located along the route of the Treated Water Pipeline.

127. Male hen harriers were recorded on two occasions in 2016 potentially visiting roosting areas, near suitable roosting habitat; however, repeat visits to this site did not result in further observations of the species utilising these sites for roosting. There were the only six observations made of this species during hen harrier roost surveys during the survey period.

128. This species is unlikely to be dependent on the habitats within the Proposed Project. This assessment is based on the findings of low levels of activity onsite and the availability of suitable foraging and roosting habitat within the wider surroundings.

129. Other raptor species such as buzzard (Green Listed BoCCI), sparrowhawk (Green Listed BoCCI), peregrine falcon (Green Listed BoCCI), merlin (Amber Listed BoCCI), and kestrel (Red Listed BoCCI) were recorded infrequently and/or in low numbers.

130. Other wetland species including; lapwing (Red Listed BoCCI, Annex I EU Birds Directive), woodcock (Red Listed BoCCI), golden Plover (Red Listed BoCCI), whooper swan (Amber Listed BoCCI, Annex I EU Birds Directive) and snipe (Red Listed BoCCI) were recorded infrequently and/or in low numbers.

4.8 38 kV VP Surveys

131. As discussed, VP surveys were undertaken from fixed point locations over the course of the 2019/2020, 2020/2021, 2022/2023, 2023/2024 and 2024/2025 winter seasons. These locations were positioned in suitable habitats along the existing OHLs, including Parteen Basin, the Lower River Shannon, and the Headrace Canal. The location of each VP is mapped in Annex A, along with the flights of each species in Annex B. The aim of this survey was to establish the flightlines of target species commuting in the area of the Proposed Project, with particular emphasis along the Lower River Shannon SAC, and to determine if there could be a collision risk with OHLs.

4.8.1 Cormorant

132. Cormorant are considered a high-risk species for collision with OHLs in EirGrid Ecology Guidelines (EirGrid 2011). This species was recorded frequently throughout the study area during the surveying period, particularly commuting along the Headrace Canal and the Lower River Shannon. This species was mostly recorded flying above the OHLs or swimming in the water below. Therefore, the 38 kV element of the Proposed Project, which is similar to the baseline environment, will not be expected to increase risk to cormorant. The flightlines can be seen in Annex B.

4.8.2 Tufted Duck

133. Tufted duck were recorded regularly at Parteen Basin only. Numbers regularly exceeded nationally important numbers (270) during the survey period. This species is classed as high risk (EirGrid 2011) of collision with powerlines, however it was only observed flying on a few occasions in Parteen Basin, which were not near the OHLs. In this regard, the 38 kV Uprate element of the Proposed Project, which is similar to the baseline, is not expected to increase collision risk to tufted duck. The flightlines can be seen in Annex B.

4.8.3 Greylag Goose

134. Greylag geese was observed regularly commuting within the study area of the Proposed Project. The vast majority occurring above the OHLs. In this regard, the 38 kV Uprate element of the Proposed Project, which is similar to the baseline, is not expected to increase collision risk to greylag geese. The flightlines can be seen in Annex B.

4.8.4 Mute Swan

135. Mute swan was observed commuting along the Headrace Canal and Lower River Shannon on multiple occasions. This species is of high risk (EirGrid 2011) of collision with OHLs. While most flights were not

observed at collision height, the majority of flights occurred below the OHLs, particularly along the Headrace Canal. These lower flights between the water and OHLs put this species at a greater risk of collision. The flightlines can be seen in Annex B.

4.8.5 Mallard

136. Mallard is considered a high-risk species for collision with OHLs and were frequently observed in the study area commuting along the Lower River Shannon and the Headrace Canal. They were observed flying both above and below existing OHLs. However, the majority of these flights did occur below OHLs/close to water. These lower flights between the water and OHLs put this species at a greater risk of collision. These flights can be seen in Annex B.

4.8.6 Lapwing

137. Lapwing was frequently observed during the survey season and is considered a medium risk species of collision with OHLs (EirGrid 2011). They were often recorded flying above the OHLs, but these flights were typically short and were not recorded regularly commuting past the existing OHL crossings. It is not expected to increase collision risk to lapwing. These flights can be seen in Annex B.

4.8.7 Other Species

138. Curlew is medium risk species (EirGrid 2011) and was recorded at Parteen Basin. No flights were recorded in proximity to the OHLs. In this regard, the 38 kV Uprate element of the Proposed Project, which is similar to the baseline, is not expected to increase collision risk to curlew. These flights can be seen in Annex B.

139. Common sandpiper is a medium risk species (EirGrid 2011) and was observed foraging on the Headrace Canal. The species was recorded flying infrequently and often consisted of short flights along the banks. This flight can be seen in Annex B.

140. Green sandpiper is also a medium risk species, which was observed foraging along the Headrace Canal. The species was recorded flying infrequently and often consisted of short flights along the banks. The flight can be seen in Annex B.

141. Redshank is a medium risk species that was frequently recorded along the Headrace Canal. The species was recorded flying infrequently and often consisted of short flights along the banks. This flight can be seen in Annex B.

142. Ringed plover is a medium risk species that was observed commuting once at O'Briensbridge. The species was recorded flying infrequently and often consisted of short flights along the banks. These flights can be seen in Annex B.

143. Other high-risk species observed during the survey season include goldeneye, moorhen, pochard and teal. These species were not recorded in flight.

144. Other species of note included sparrowhawk, kingfisher and whooper swan; however, these were recorded infrequently and often away from the OHLs and posed no collision risk. A marsh harrier was also recorded on one occasion in March 2021. This bird was likely on migration and passing through the area. It was recorded flying above the existing OHLs.

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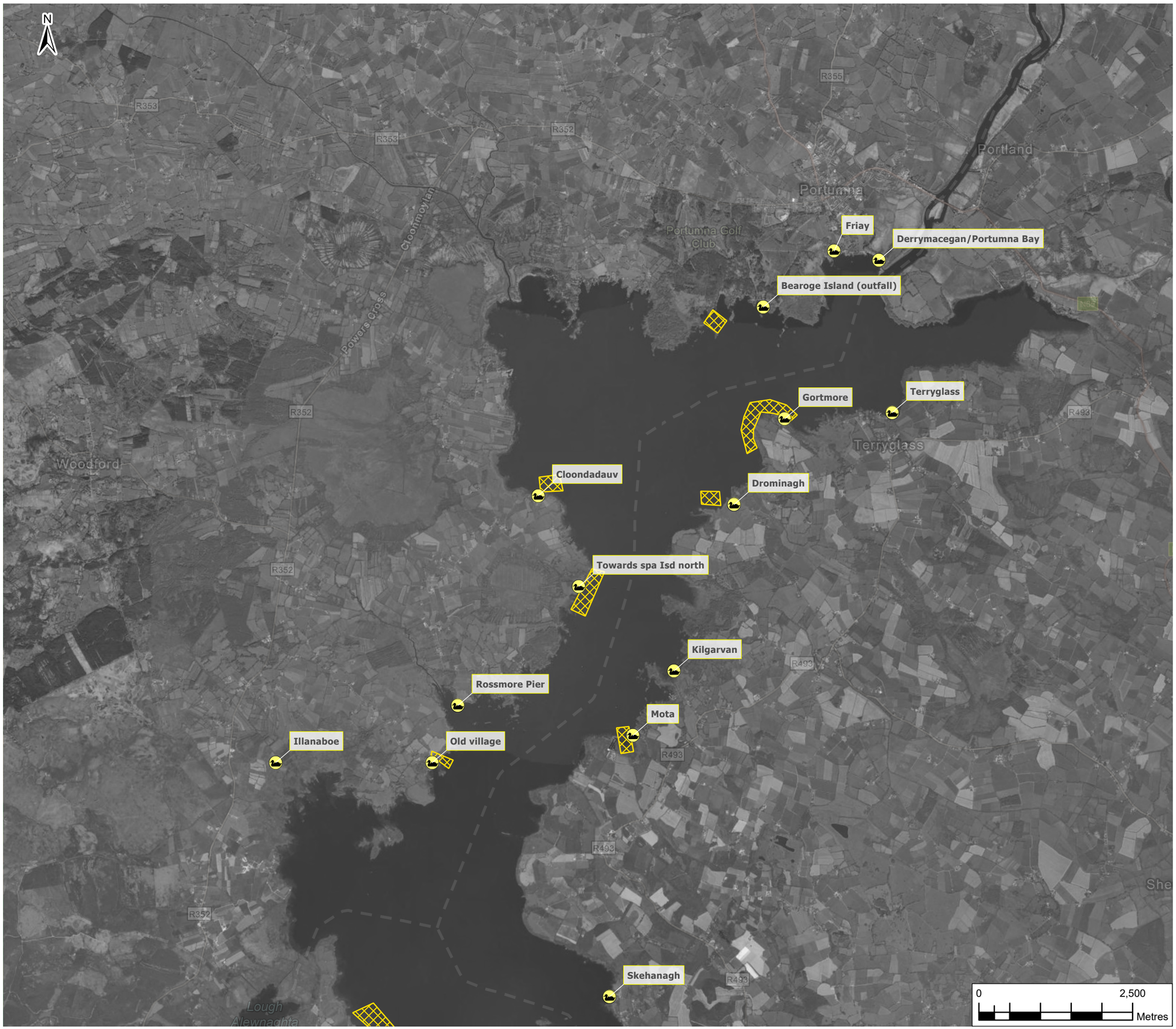
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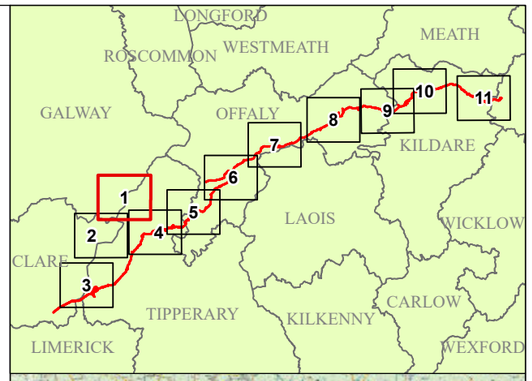
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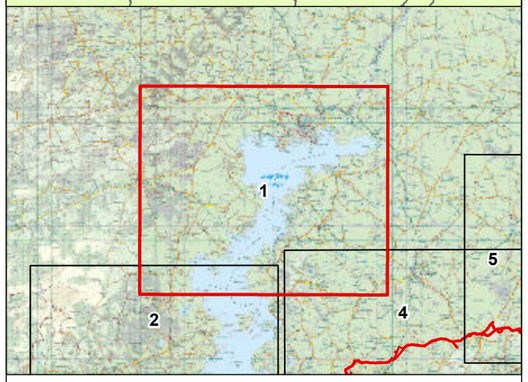
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Annex A. Survey Locations and Important Bird Areas







Legend

- Important Bird Areas
- Lough Derg and Parteen I-WeBS Subsites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

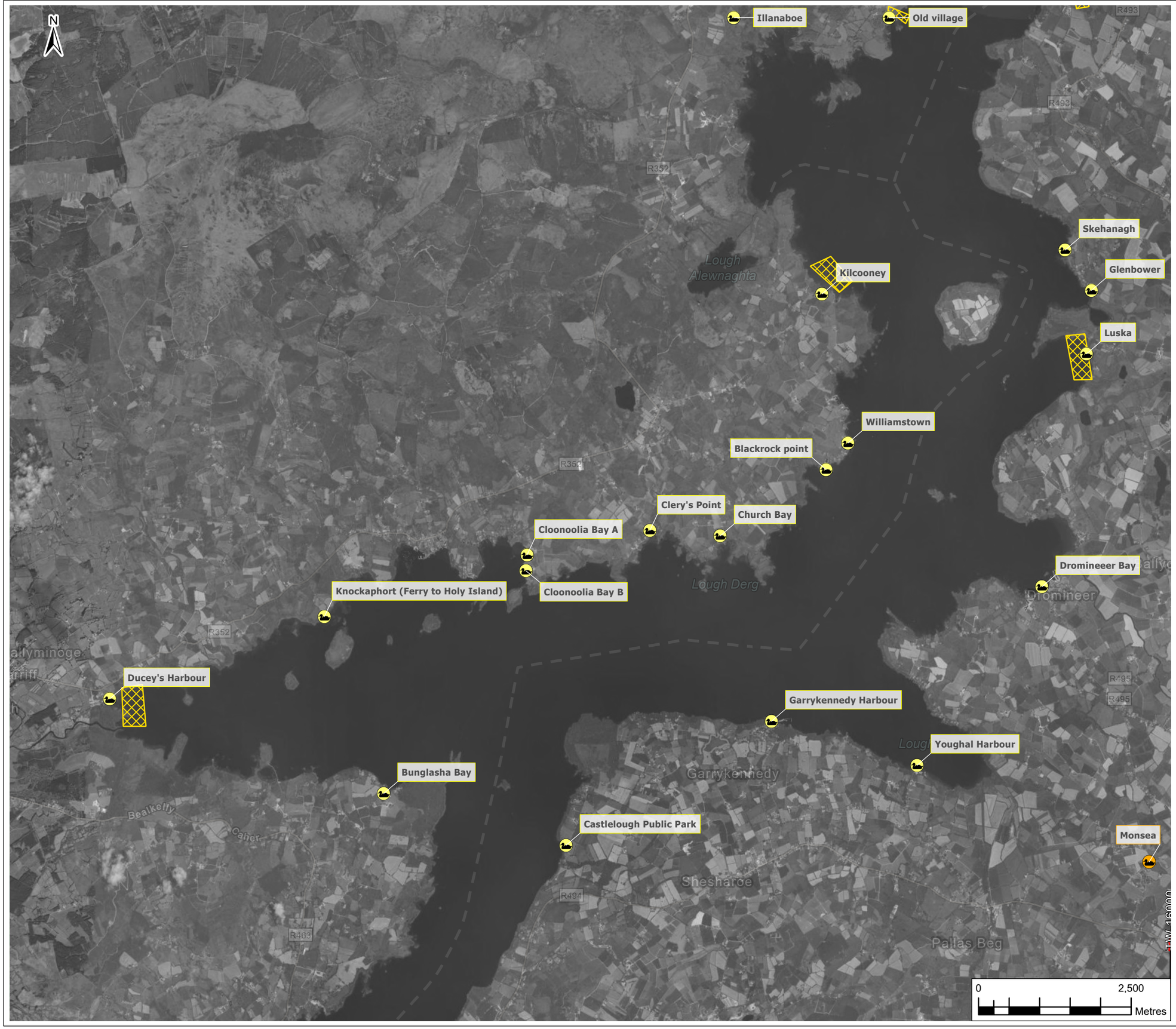
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Wintering Birds Survey Locations
2015 to 2025
Sheet 1 of 11

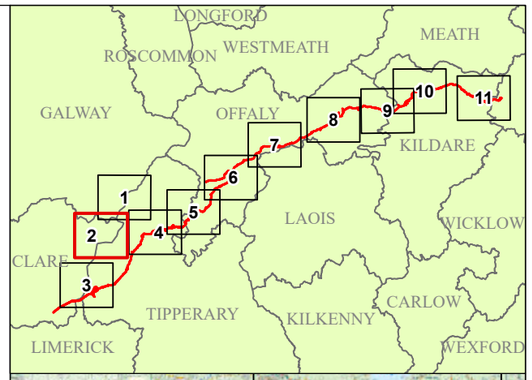
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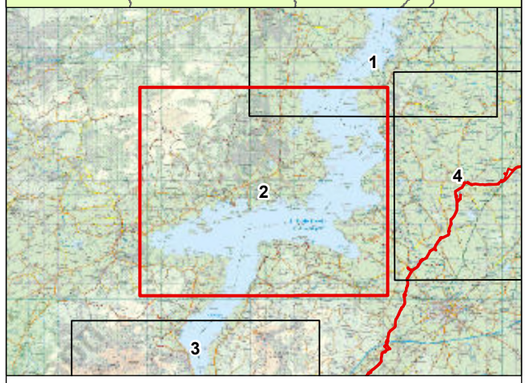
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Legend

- Planning Application Boundary
- 2km Chainage
- Important Bird Areas
- Lough Derg and Parteen I-WeBS Subsites
- Corridor I-WeBS Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

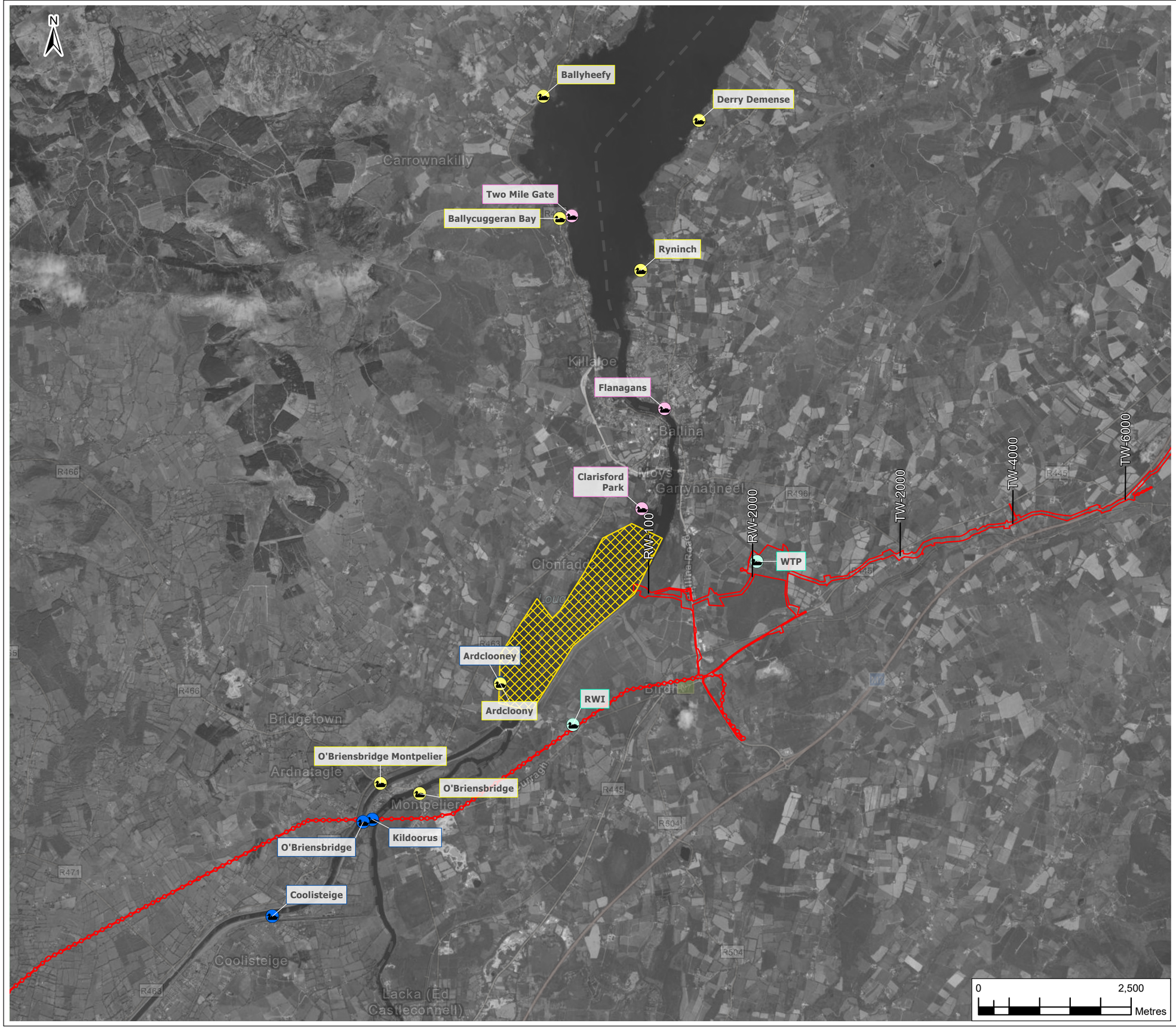
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Wintering Birds Survey Locations
2015 to 2025
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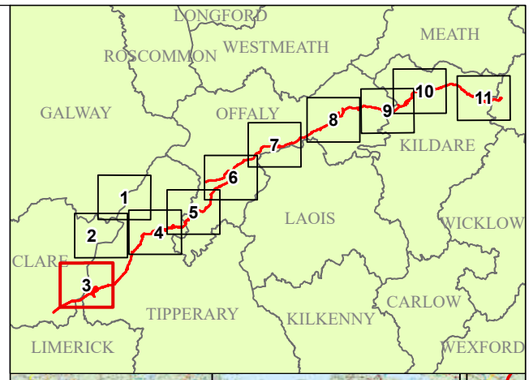
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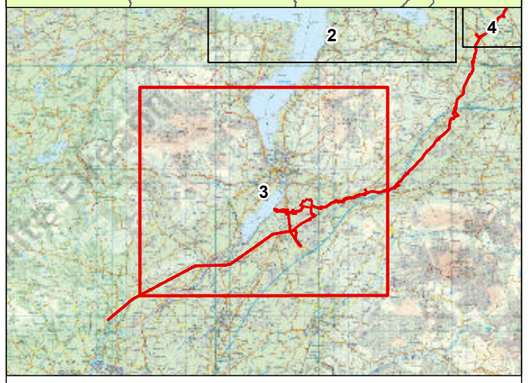
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Legend

- Planning Application Boundary
- 2km Chainage
- Important Bird Areas
- Lough Derg and Parteen I-WeBS Subsites
- Lough Derg VP Sites
- Corridor VP Sites
- 38kV VP Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

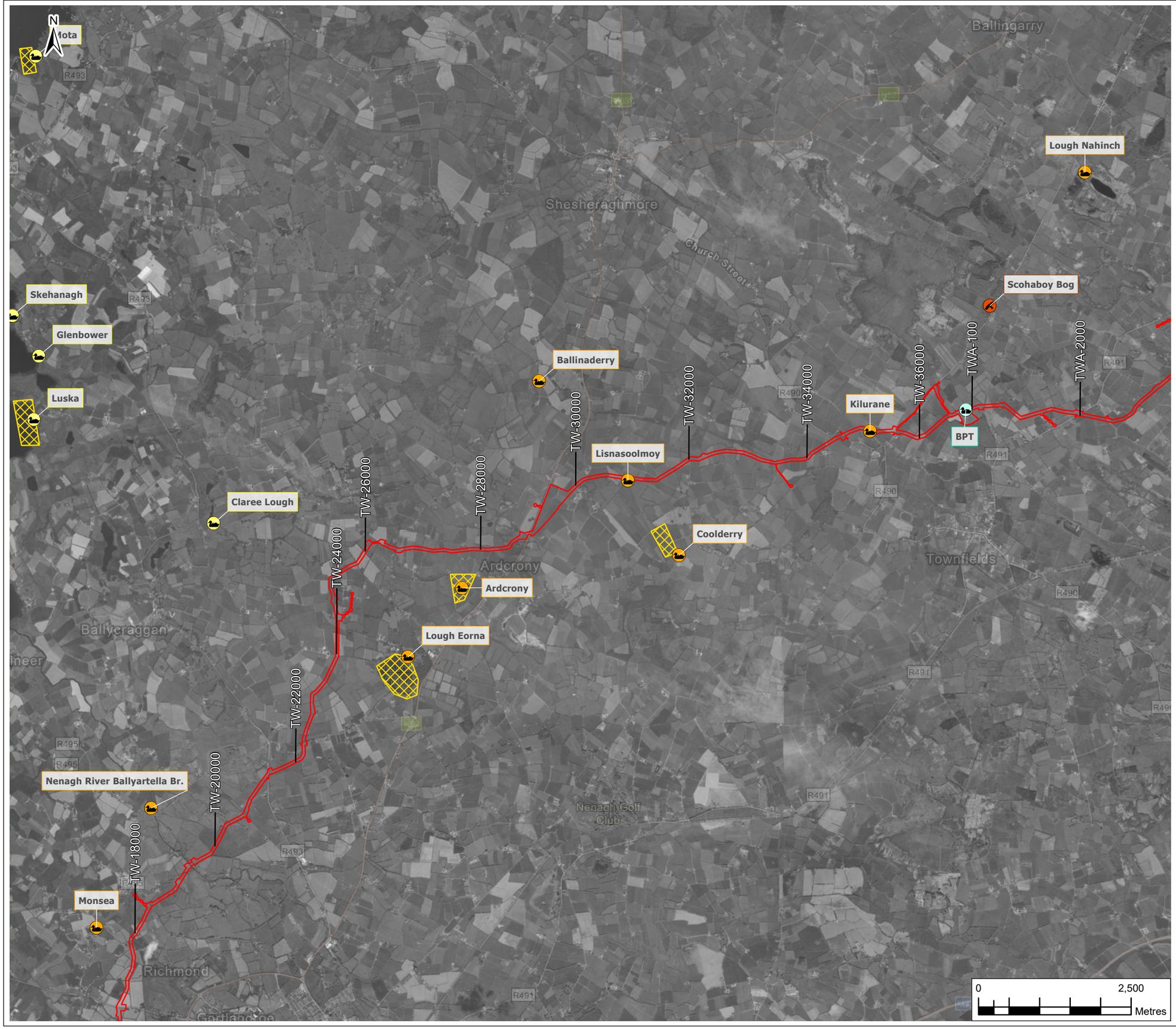
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Annex A Figure 3
Wintering Birds Survey Locations
2015 to 2025
Sheet 3 of 11

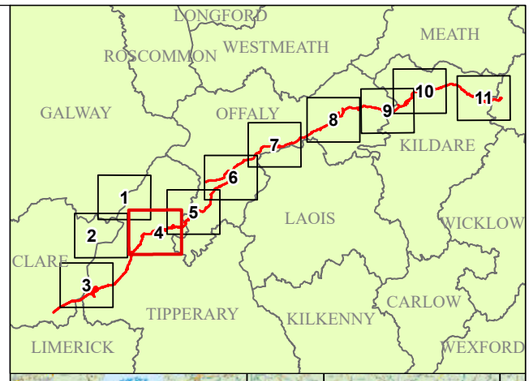
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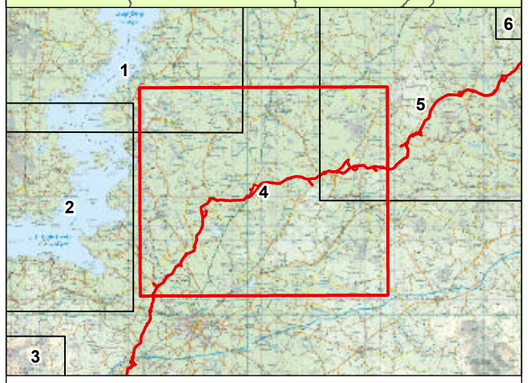
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Legend

- Planning Application Boundary
- 2km Chainage
- Important Bird Areas
- Lough Derg and Parteen I-WeBS Subsites
- Corridor VP Sites
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex A Figure 4
Wintering Birds Survey Locations
2015 to 2025
Sheet 4 of 11

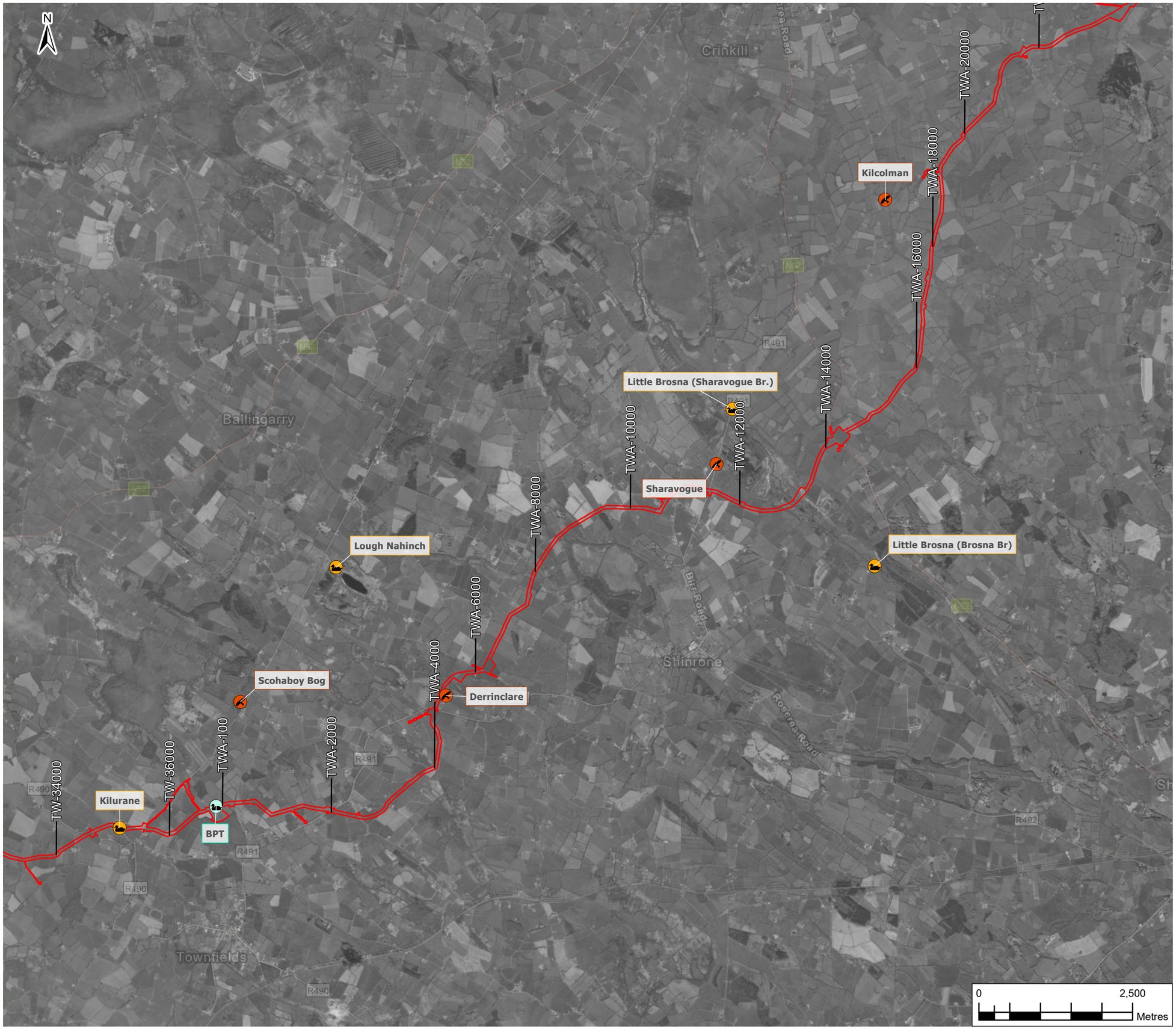
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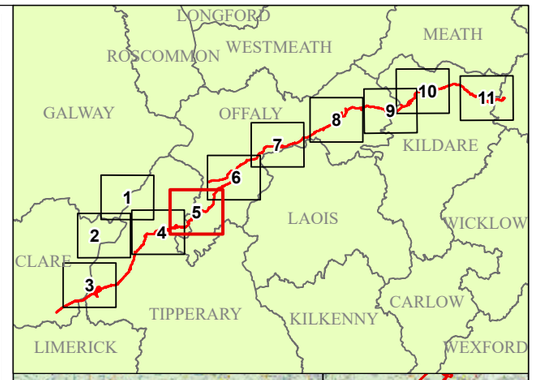
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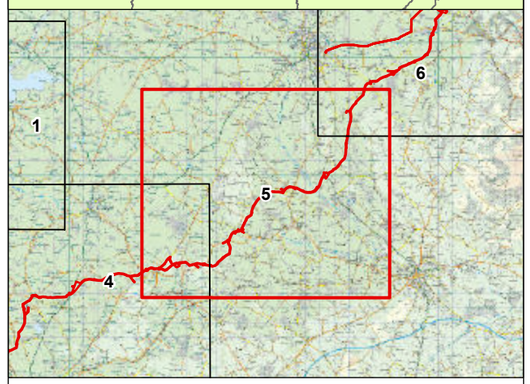
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Legend

- Planning Application Boundary
- 2km Chainage
- Corridor VP Sites
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

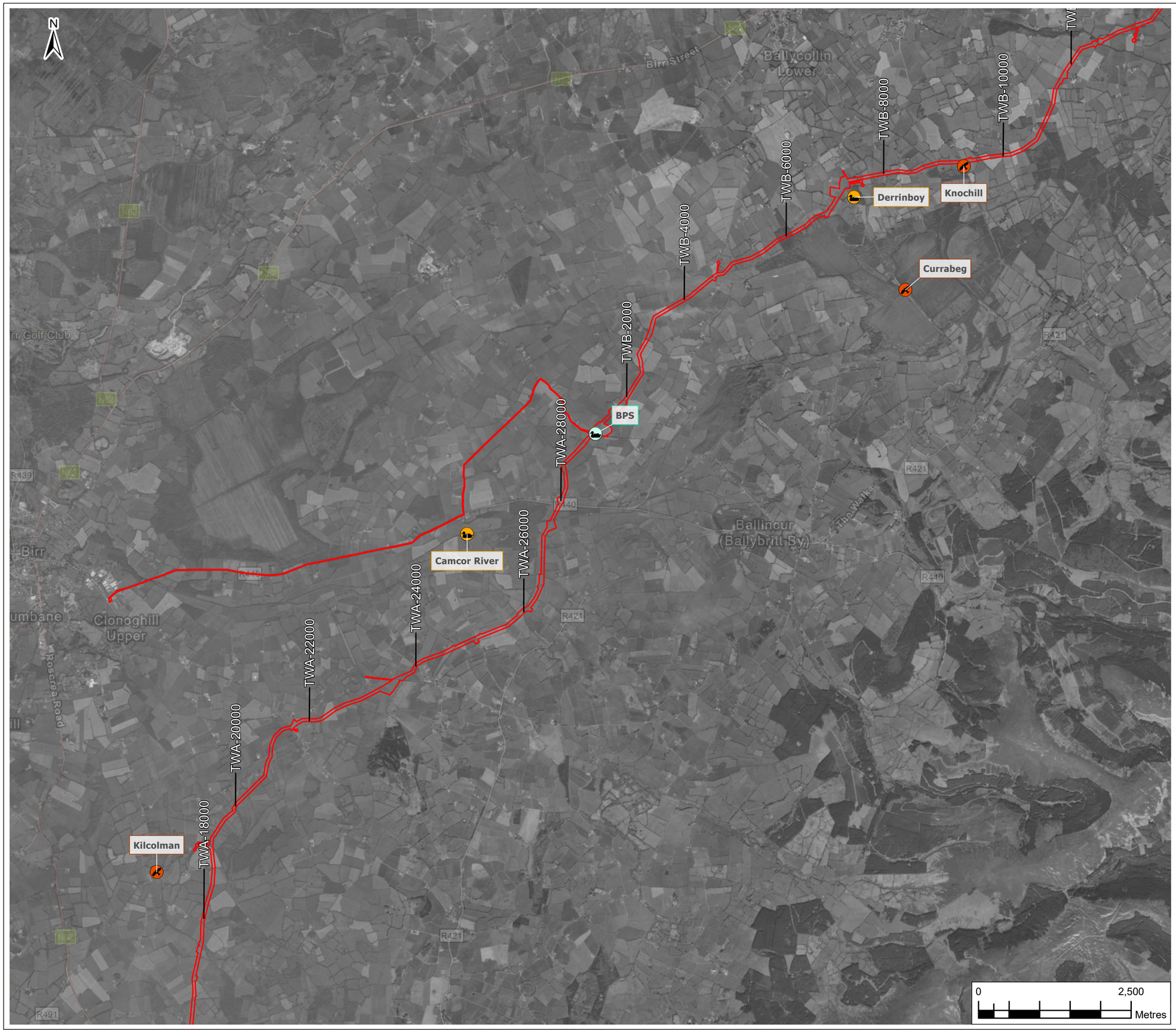
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Wintering Birds Survey Locations
2015 to 2025
Sheet 5 of 11

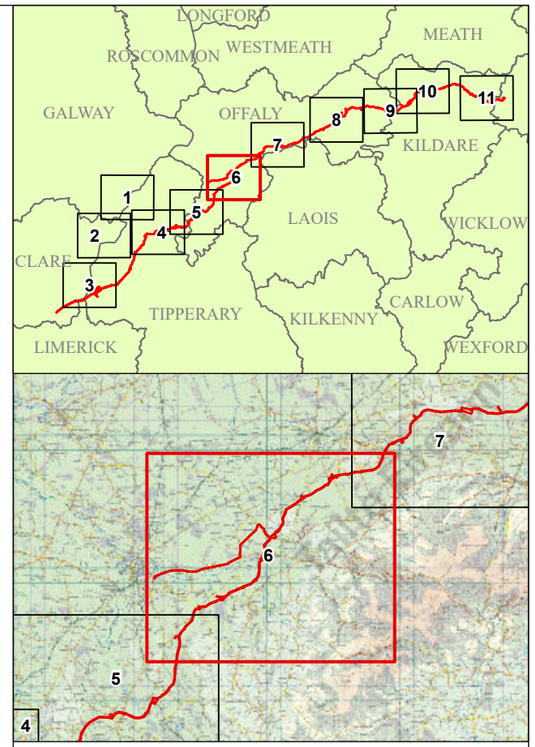
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Legend

- Planning Application Boundary
- 2km Chainage
- Corridor VP Sites
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

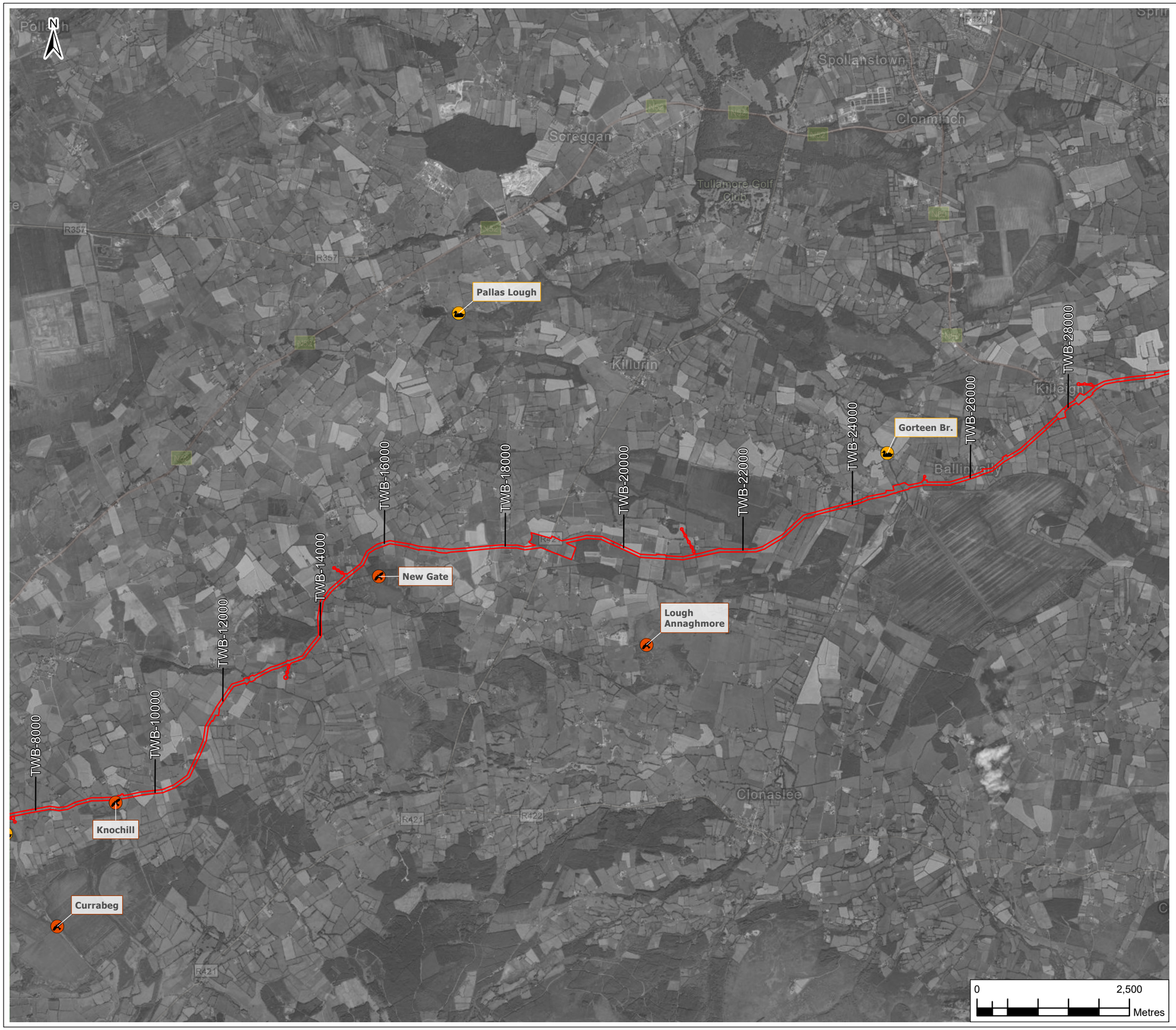
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Wintering Birds Survey Locations
2015 to 2025
Sheet 6 of 11

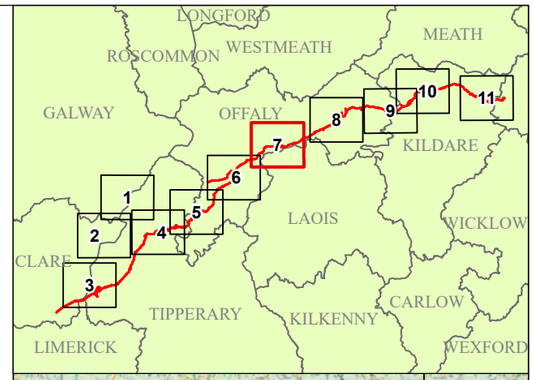
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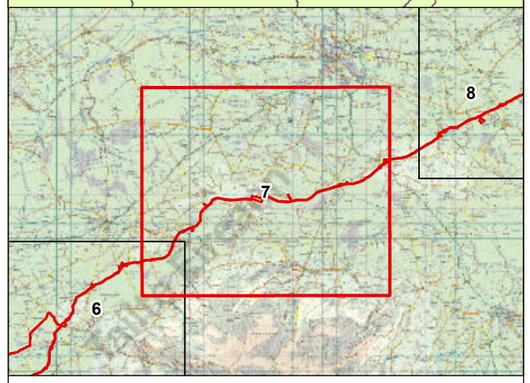
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Legend

- Planning Application Boundary
- 2km Chainage
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex A Figure 7
Wintering Birds Survey Locations
2015 to 2025
Sheet 7 of 11

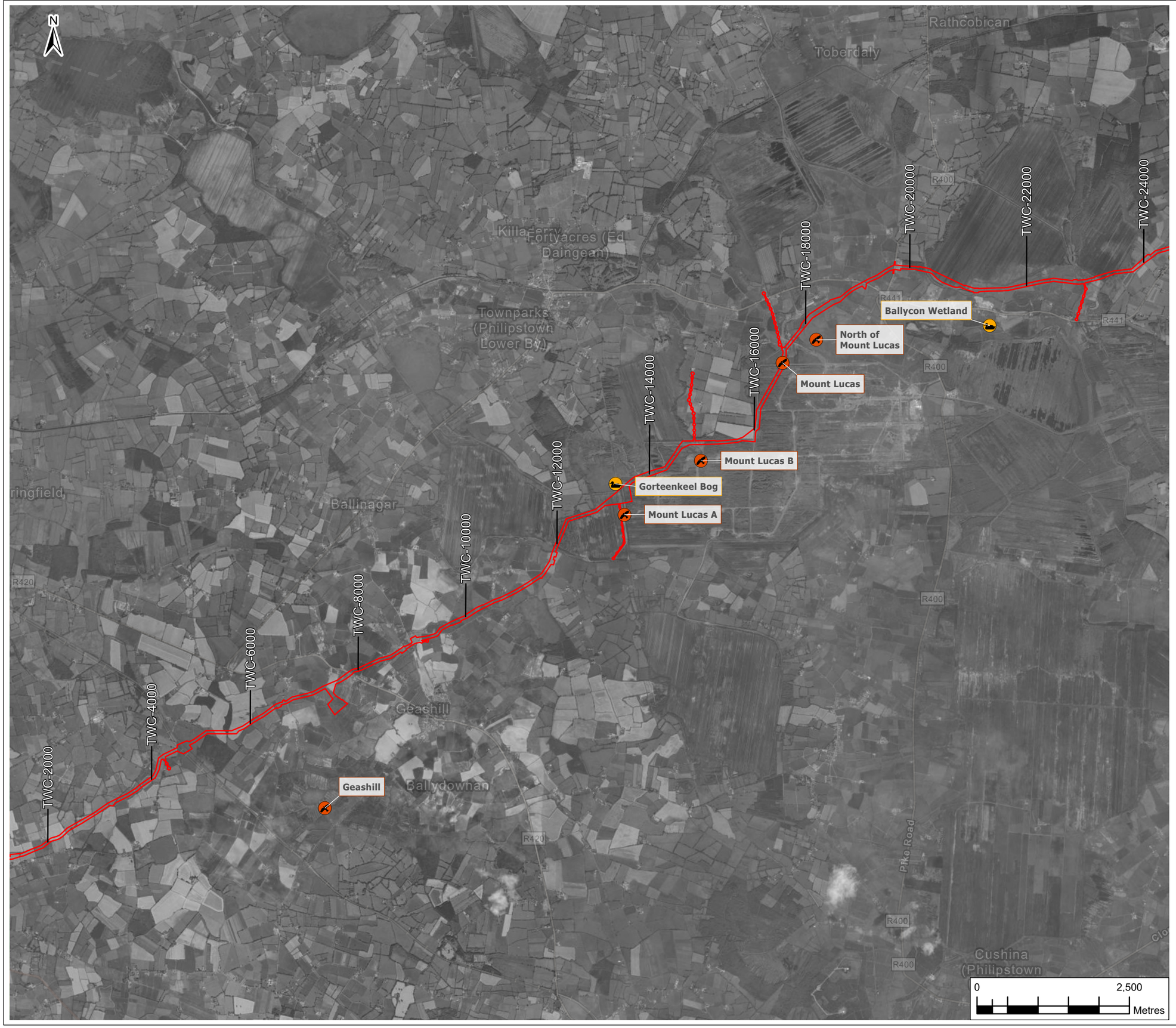
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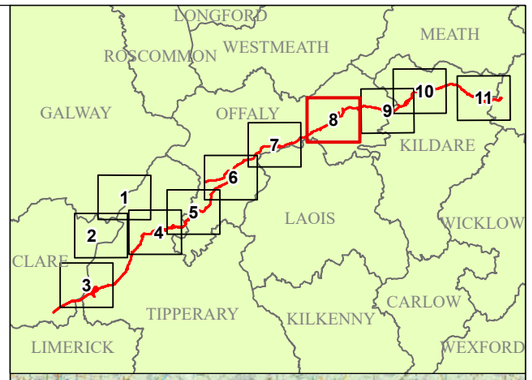
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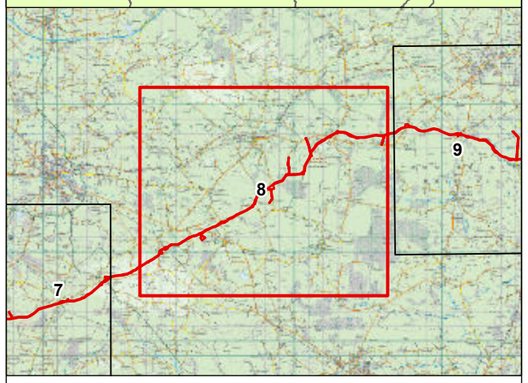
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Legend

- Planning Application Boundary
- 2km Chainage
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex A Figure 8
Wintering Birds Survey Locations
2015 to 2025
Sheet 8 of 11

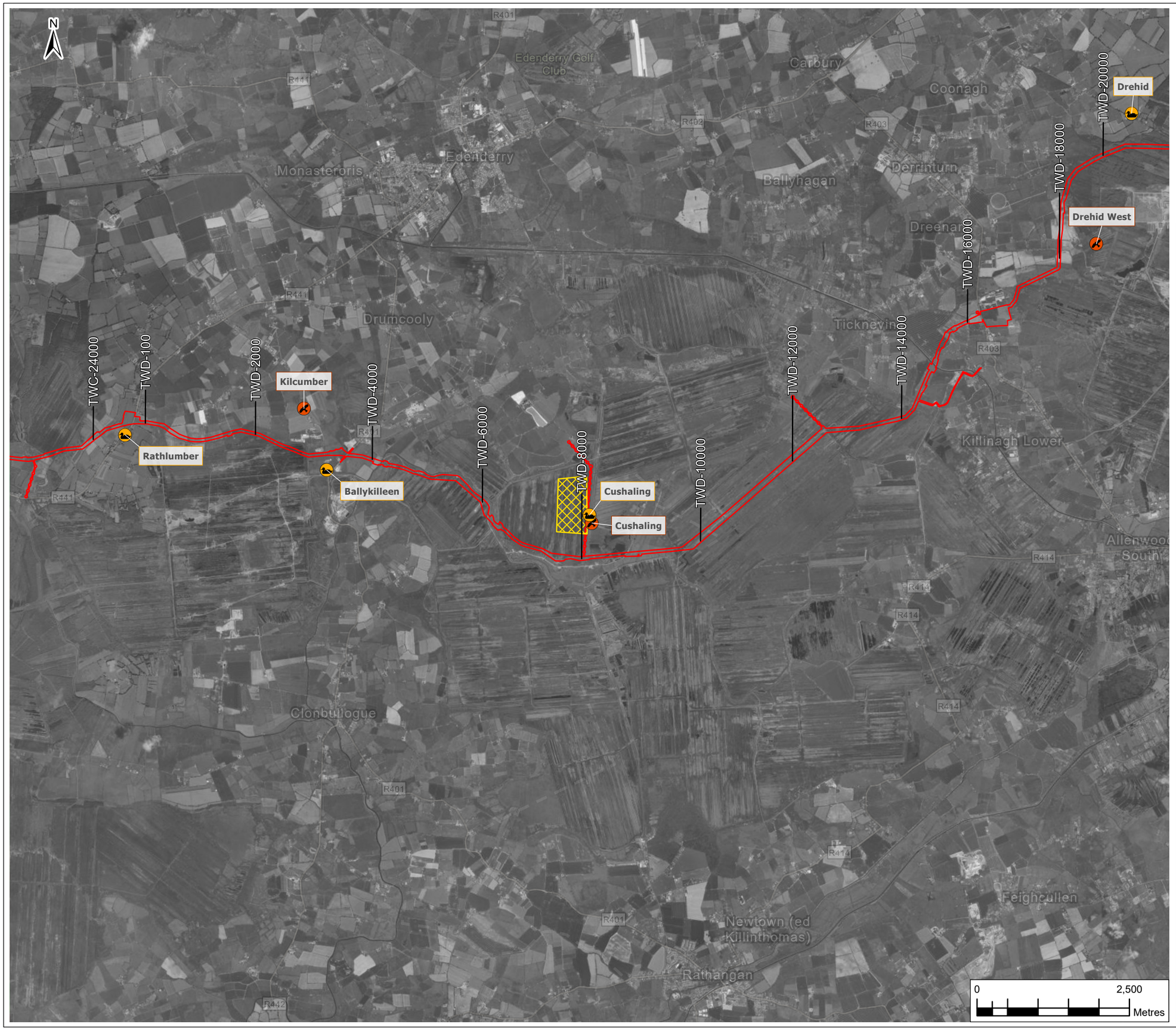
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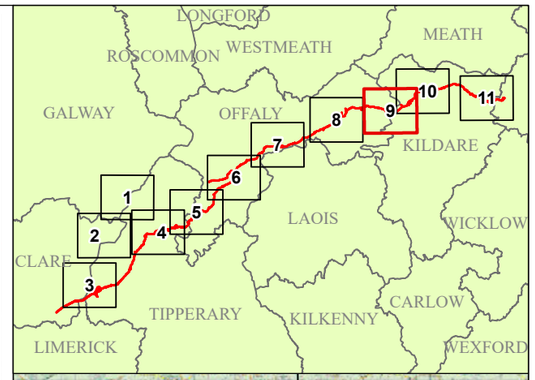
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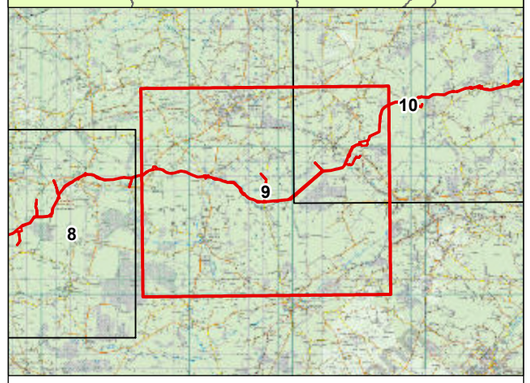
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Legend

- Planning Application Boundary
- 2km Chainage
- Important Bird Areas
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex A Figure 9
Wintering Birds Survey Locations
2015 to 2025
Sheet 9 of 11

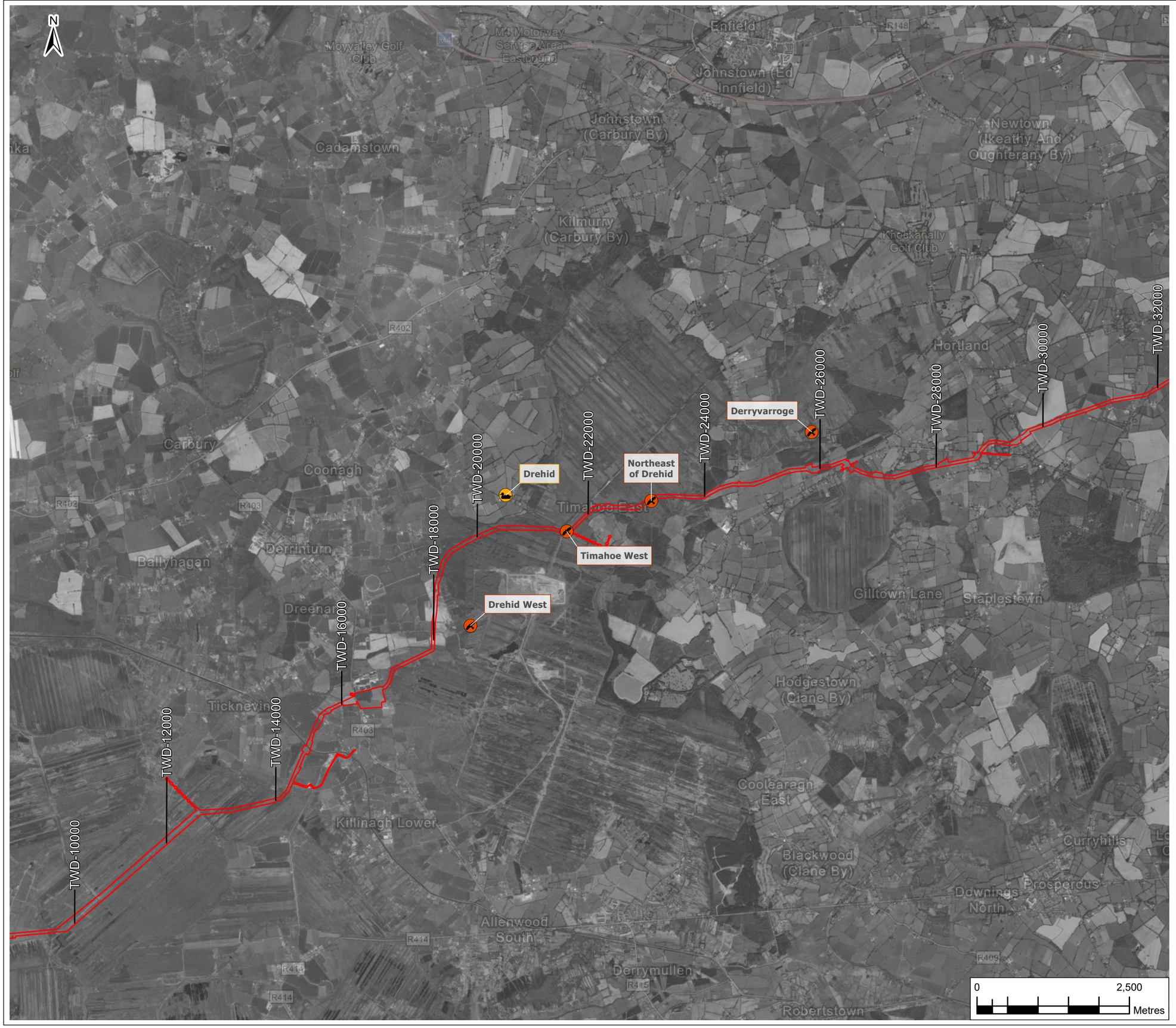
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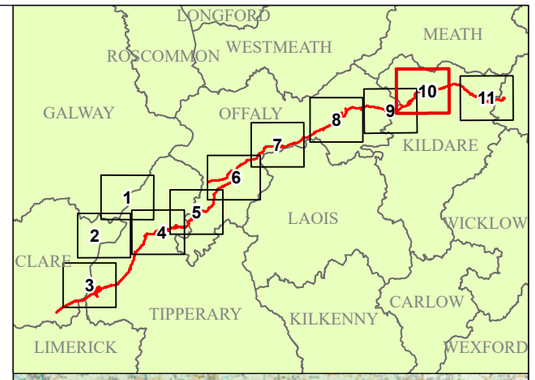
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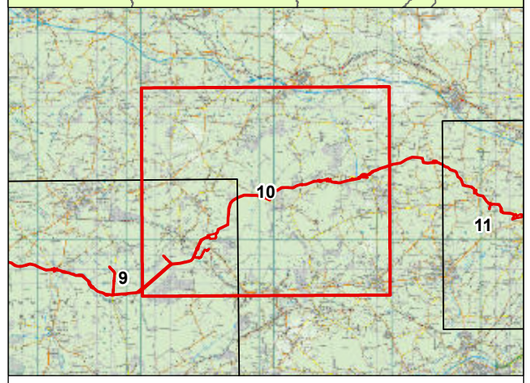
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Legend

- Planning Application Boundary
- 2km Chainage
- Corridor I-WeBS Sites
- Hen Harrier Roost Survey Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex A Figure 10
Wintering Birds Survey Locations
2015 to 2025
Sheet 10 of 11

Drawing Status

Final - Planning Application

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Legend

- Planning Application Boundary
- 2km Chainage
- Corridor VP Sites
- Corridor I-WeBS Sites

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

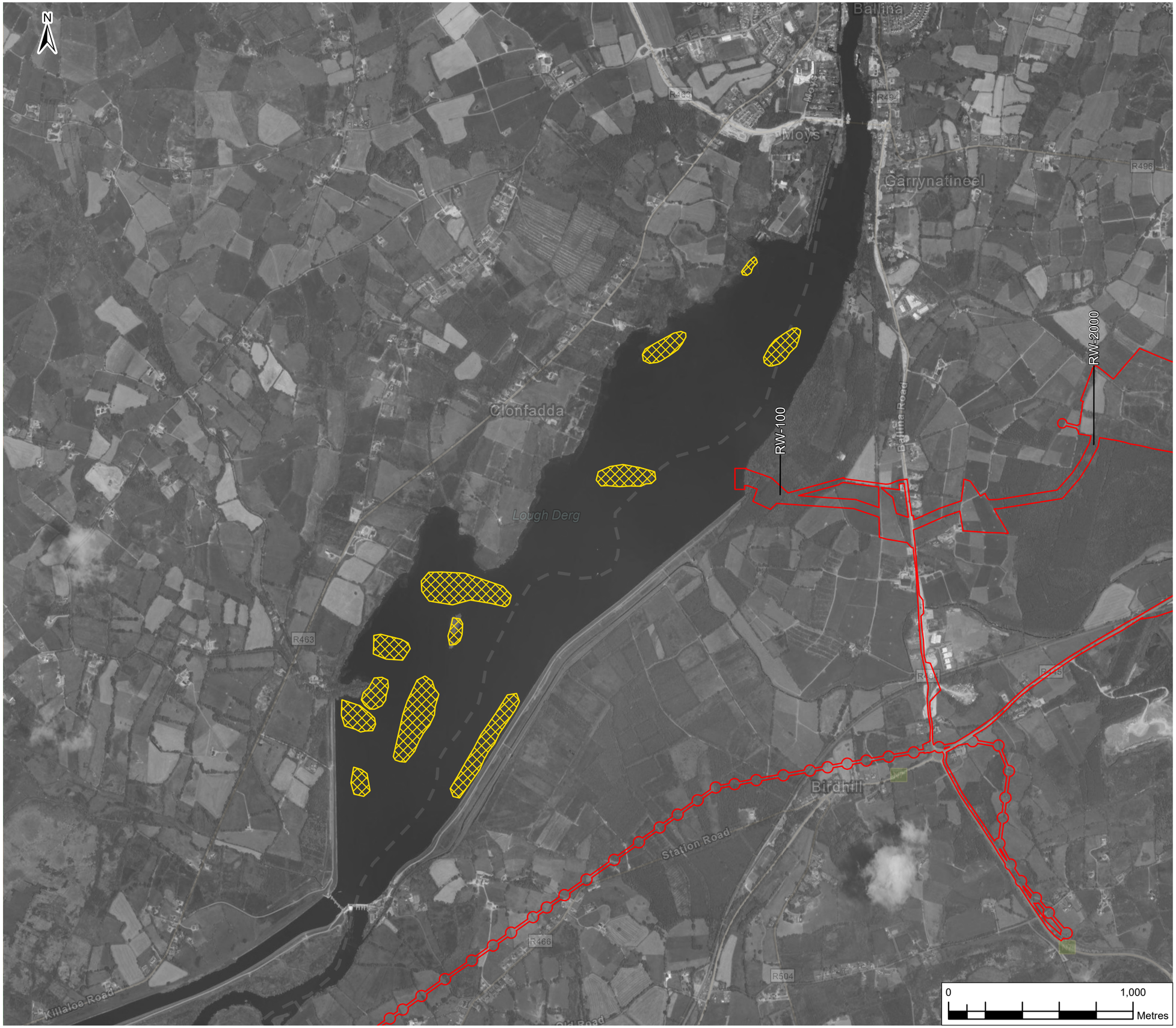
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Wintering Birds Survey Locations
2015 to 2025
Sheet 11 of 11

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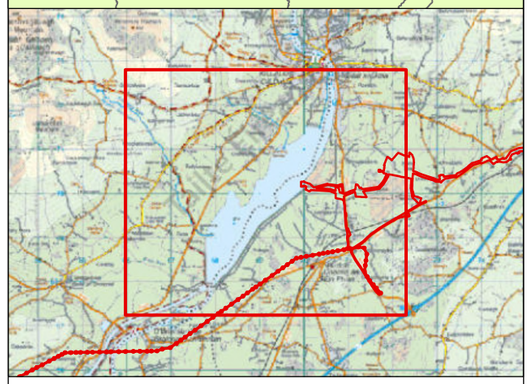
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Legend

- Planning Application Boundary
- 2km Chainage
- Important Bird Areas

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	09/10/25	Final - Planning Application	SP	JS	LK	SW

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Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Annex A Figure 12
Important Bird Areas in Parteen Basin

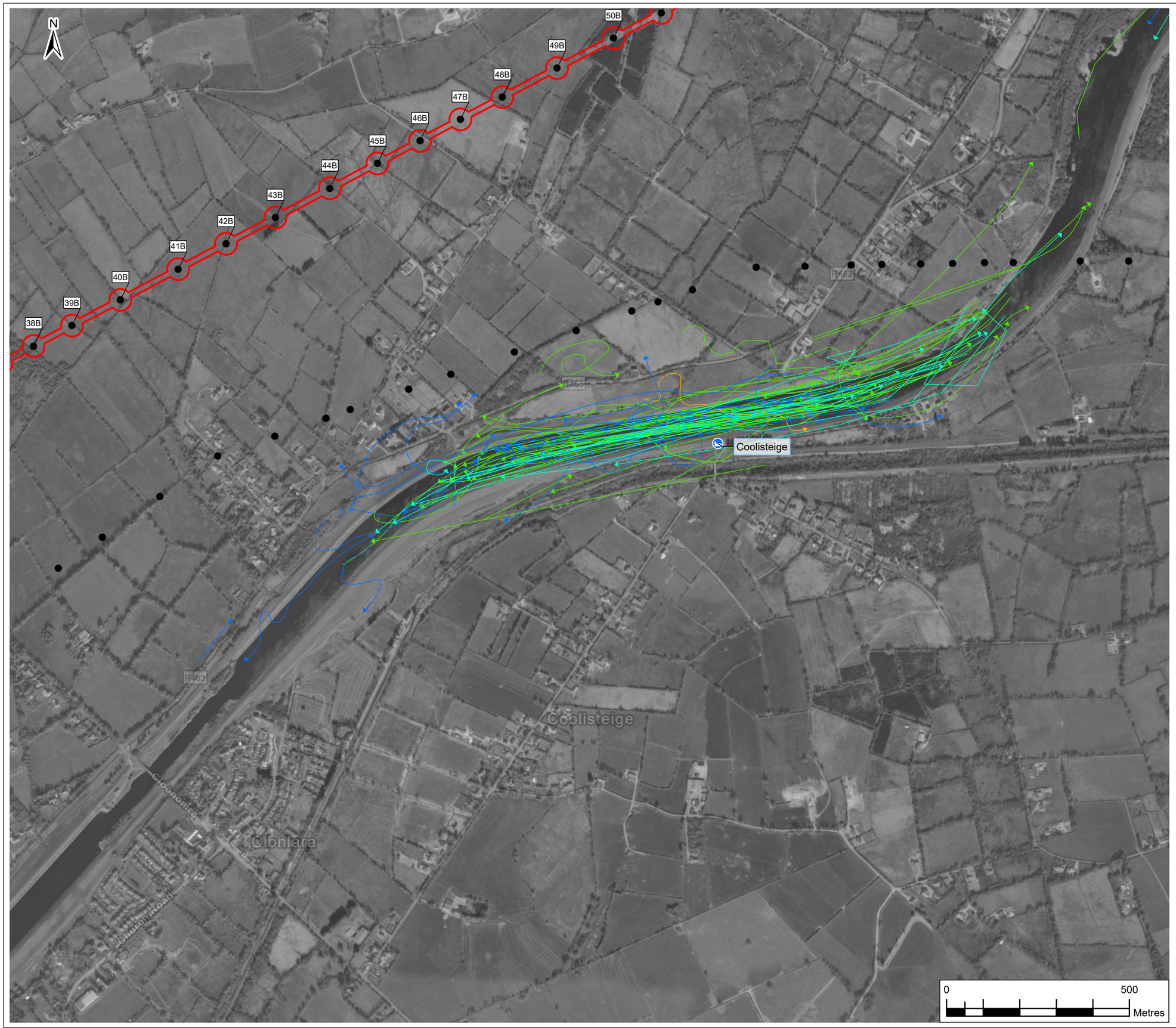
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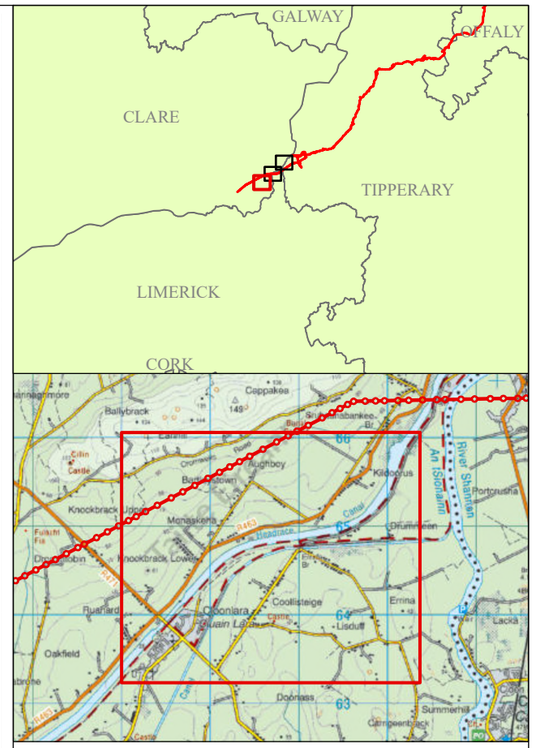
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Annex B. Flightlines





Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

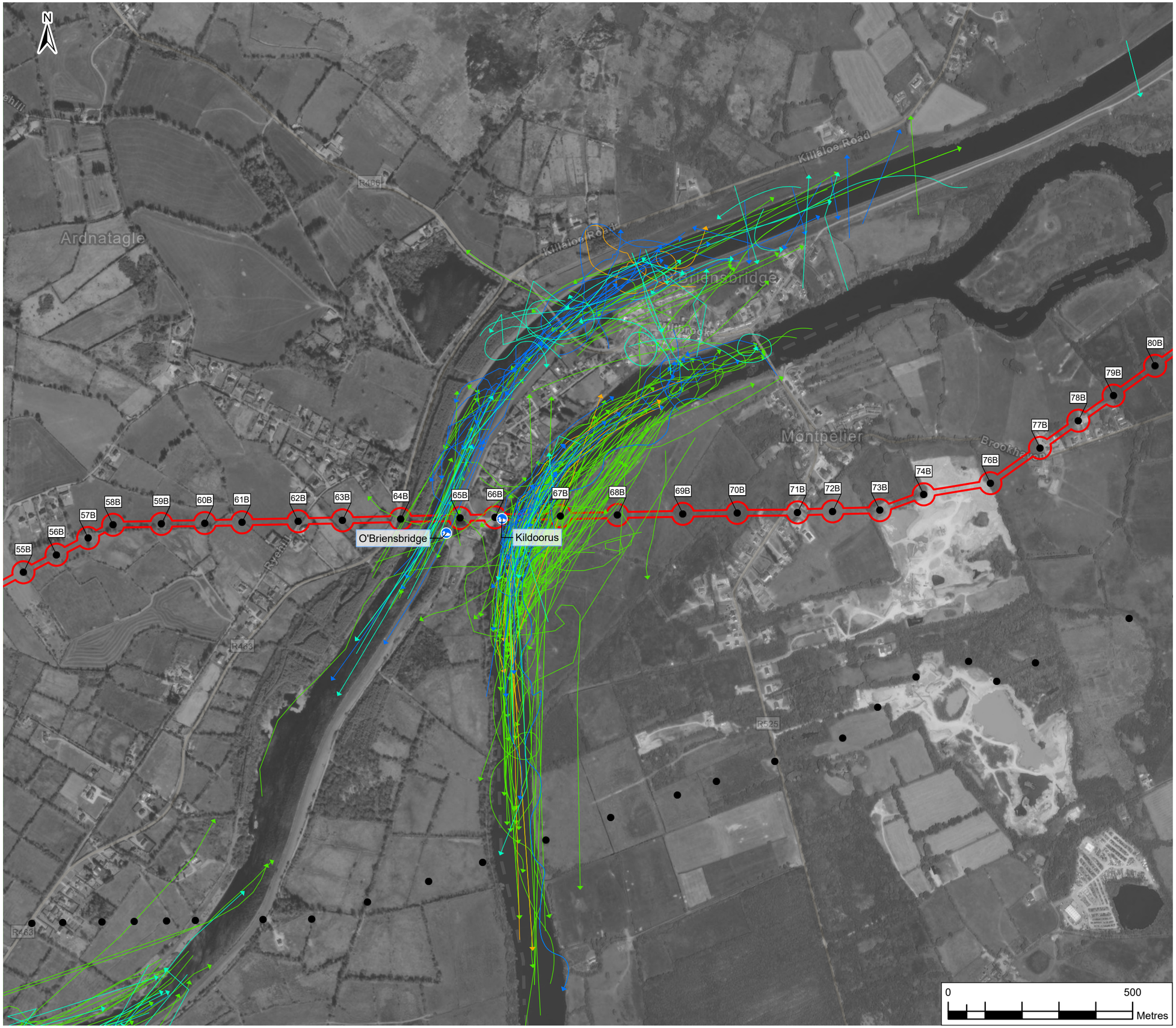
Annex B Figure 1
38kV Winter Vantage Point Surveys -
Black-headed Gull 2019 to 2025
Sheet 1 of 3

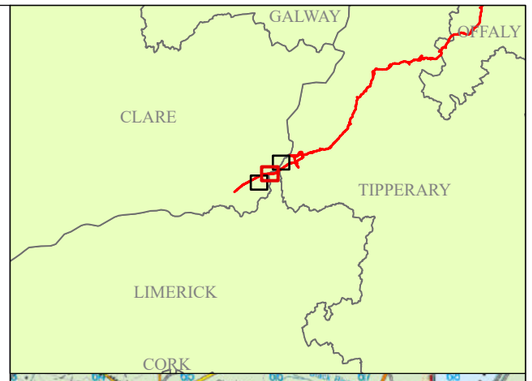
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

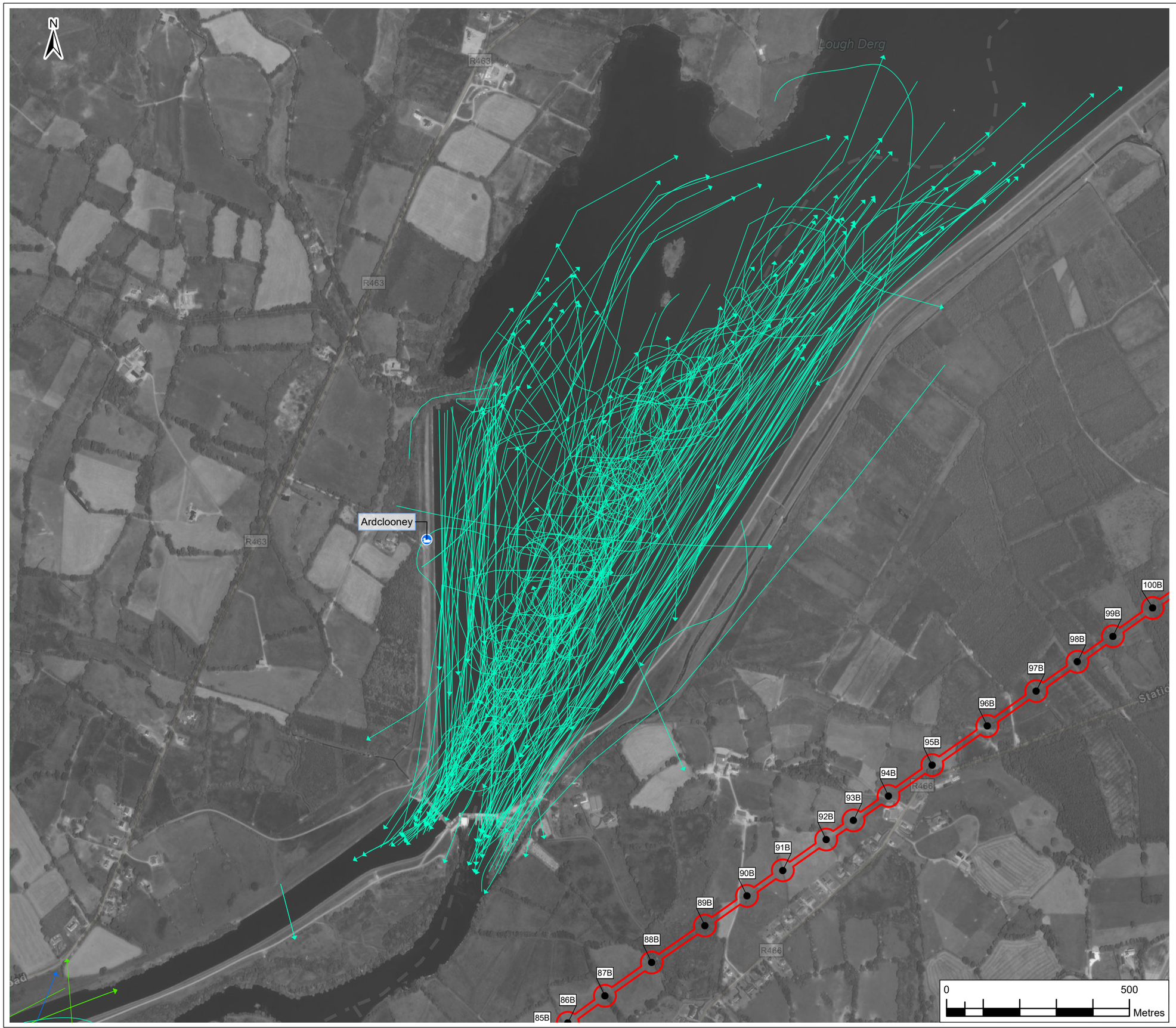
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38kV Winter Vantage Point Surveys -
Black-headed Gull 2019 to 2025
Sheet 2 of 3

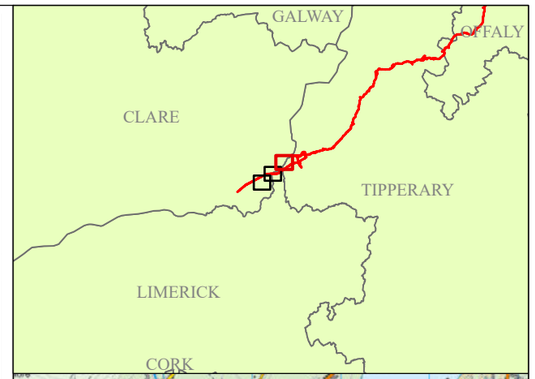
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

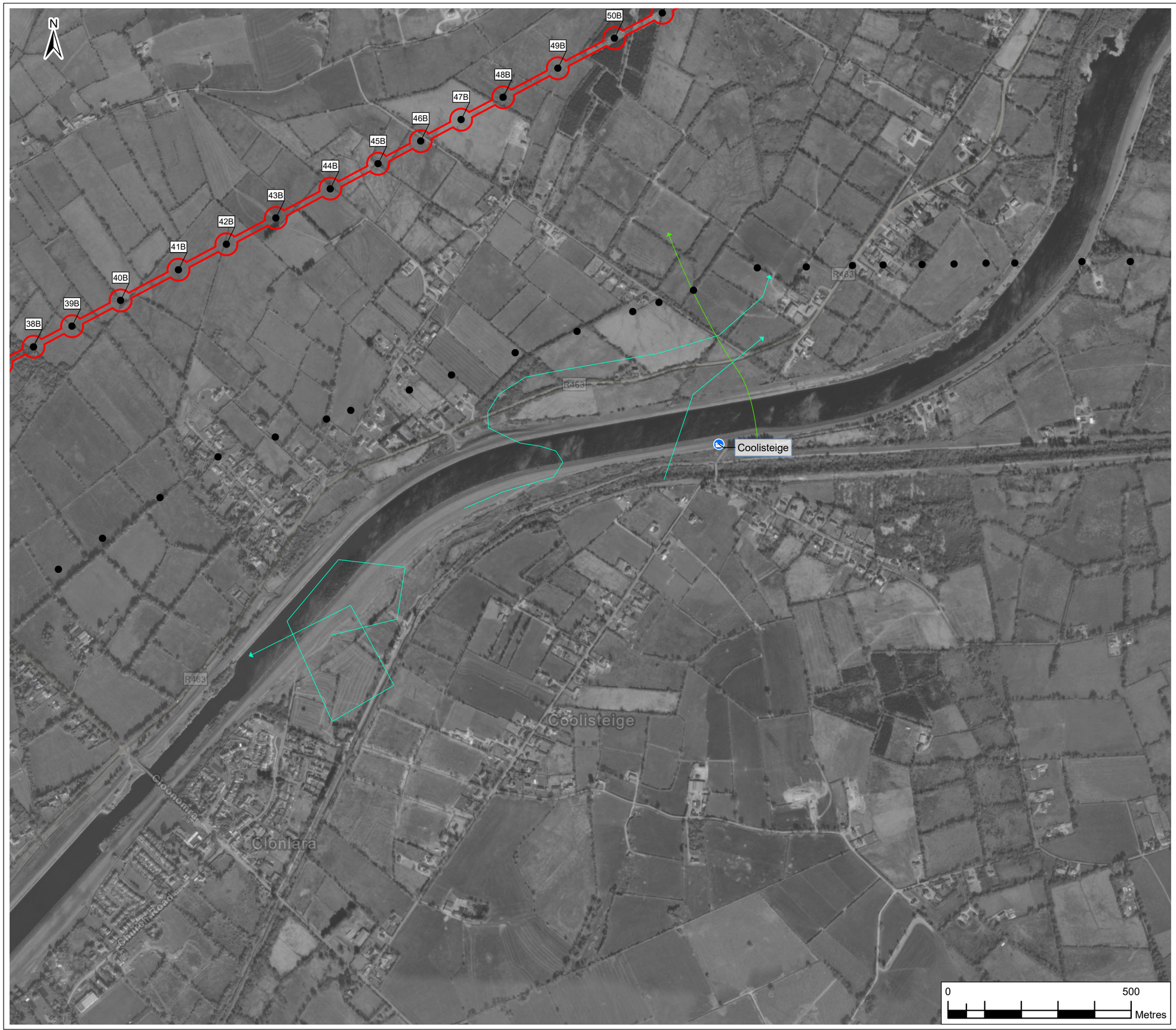
Annex B Figure 3
38kV Winter Vantage Point Surveys -
Black-headed Gull 2019 to 2025
Sheet 3 of 3

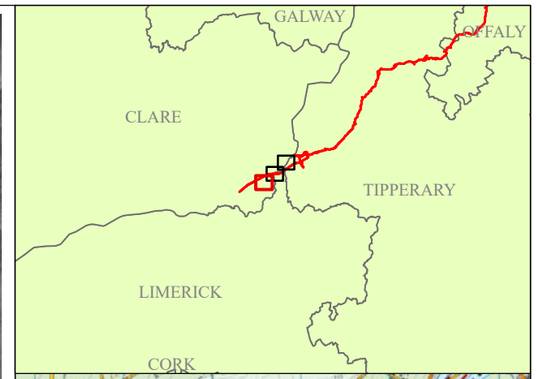
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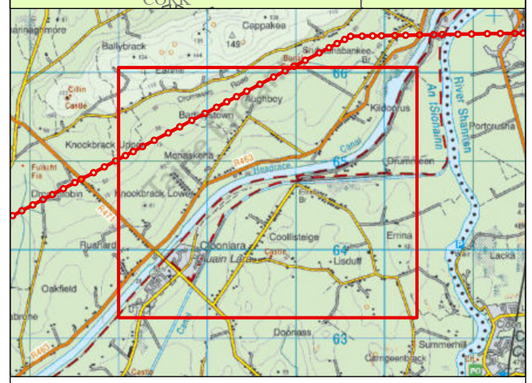
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Proposed New Interpoles
- Existing Poleset

Flight height

- Above
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

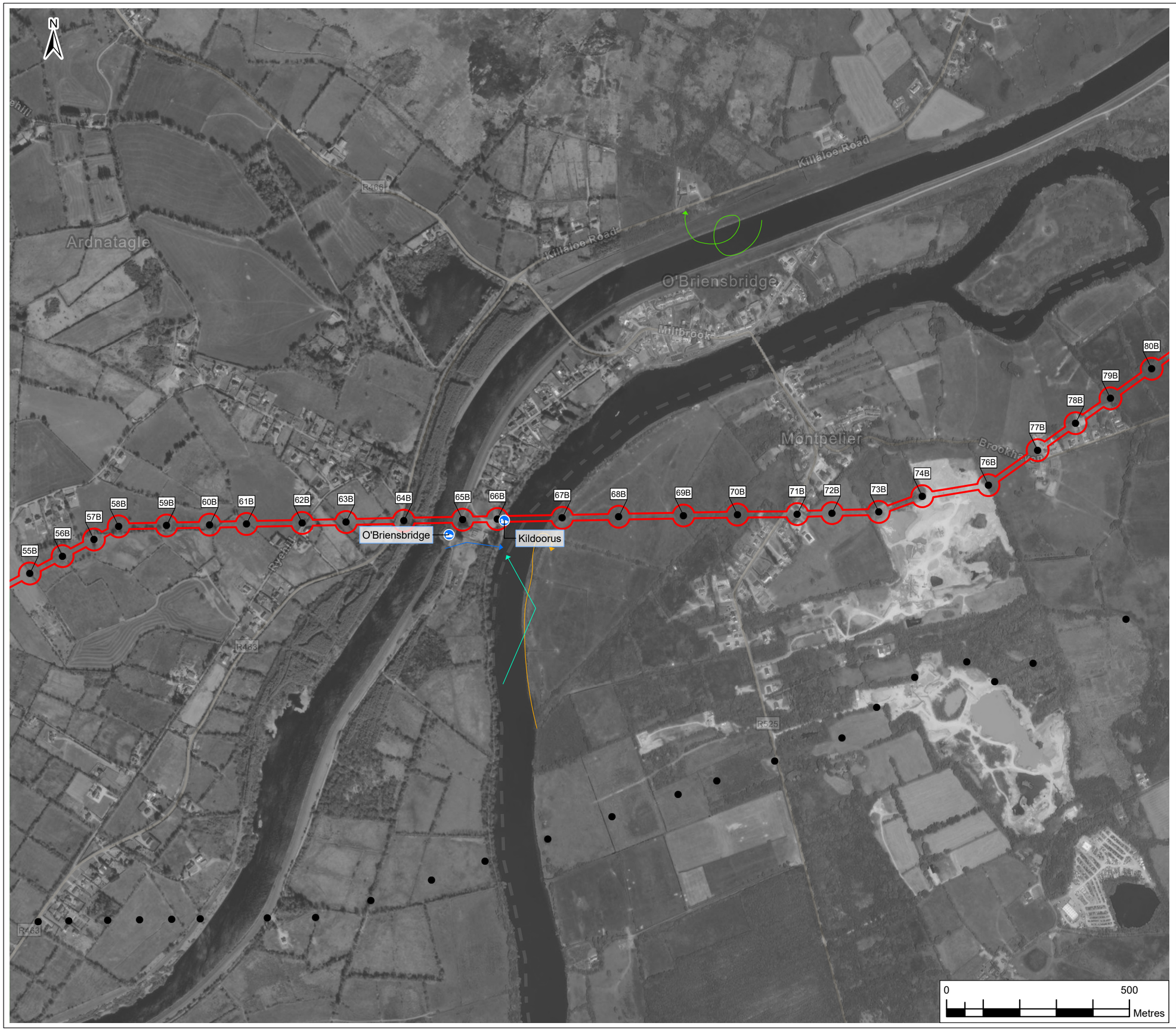
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38kV Winter Vantage Point Surveys -
Buzzard 2019 to 2025
Sheet 1 of 3

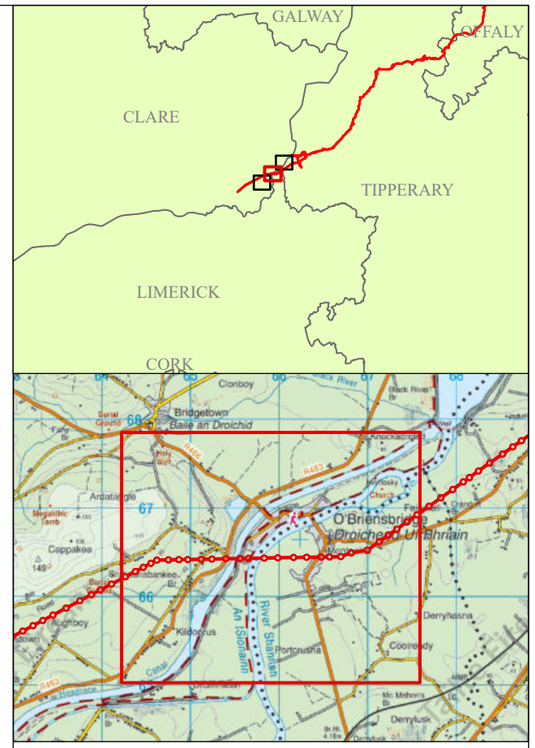
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Proposed New Interpoles
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

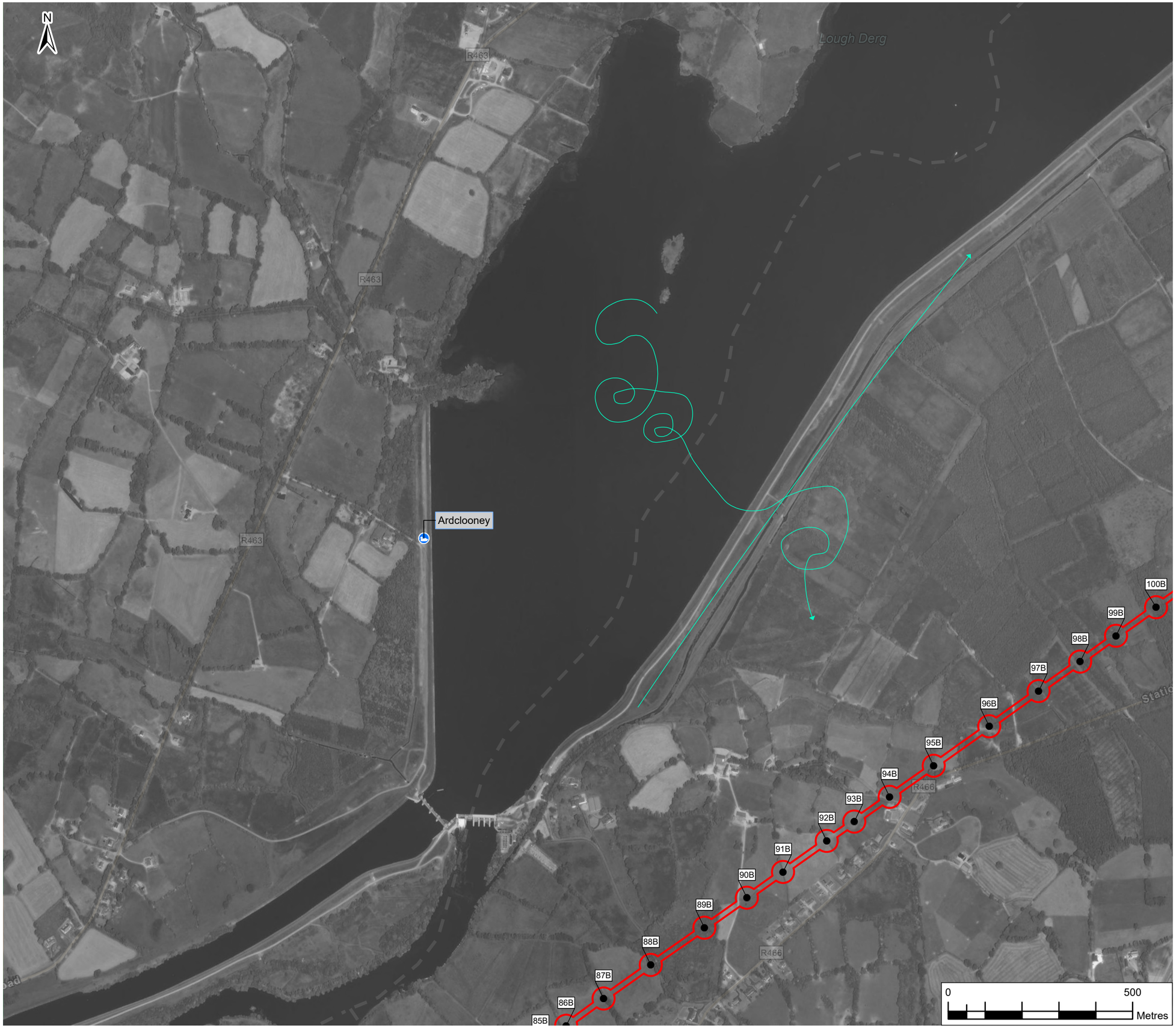
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38kV Winter Vantage Point Surveys -
Buzzard 2019 to 2025
Sheet 2 of 3

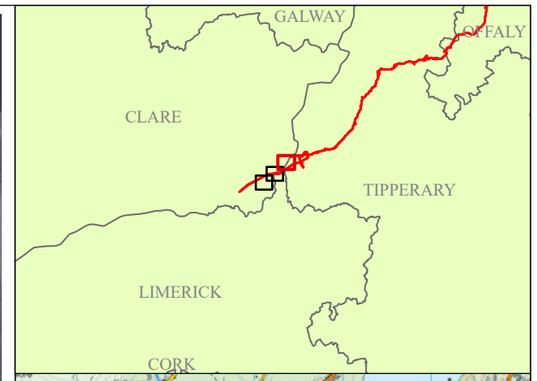
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Proposed New Interpoles
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 6
38kV Winter Vantage Point Surveys -
Buzzard 2019 to 2025
Sheet 3 of 3

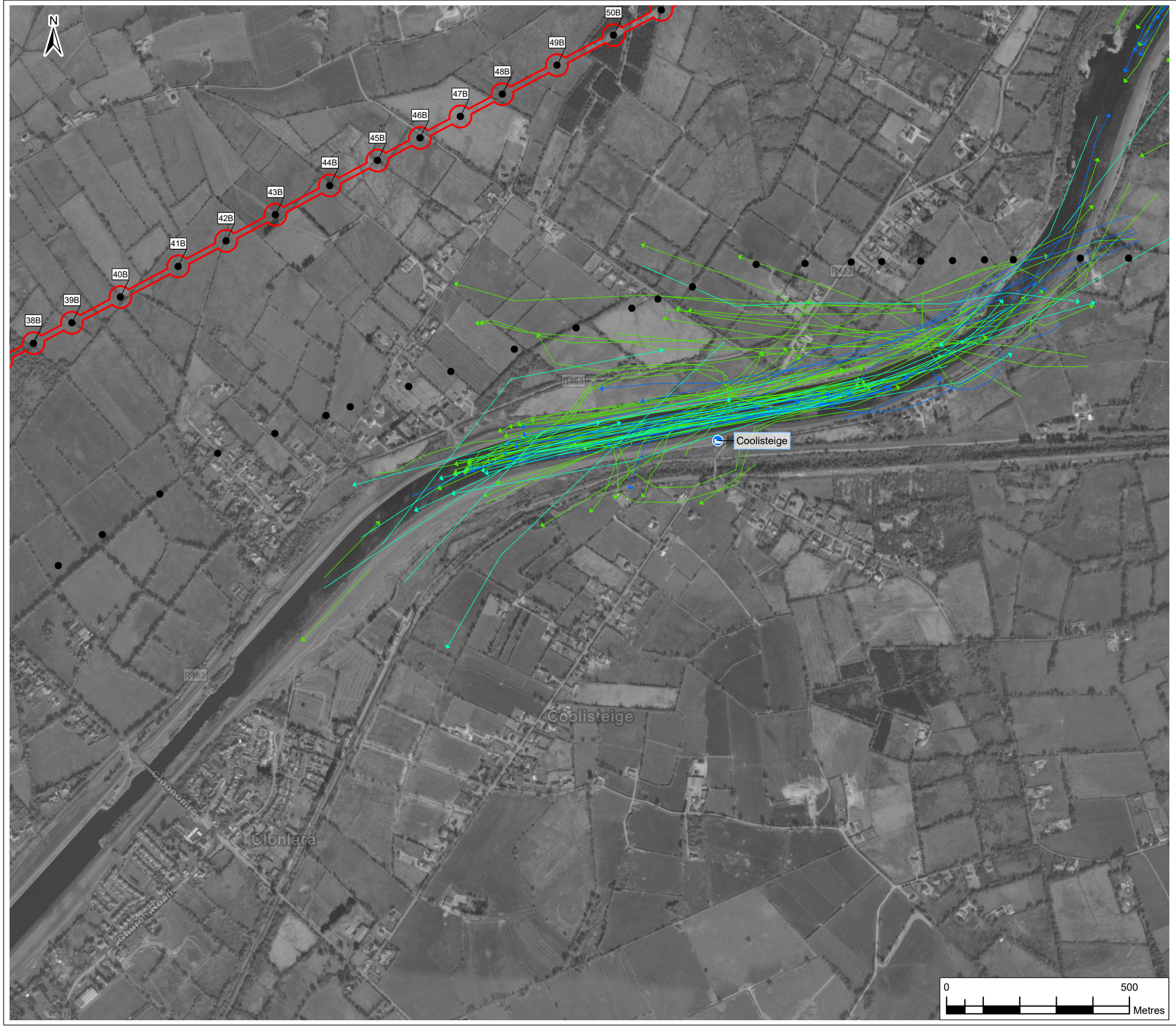
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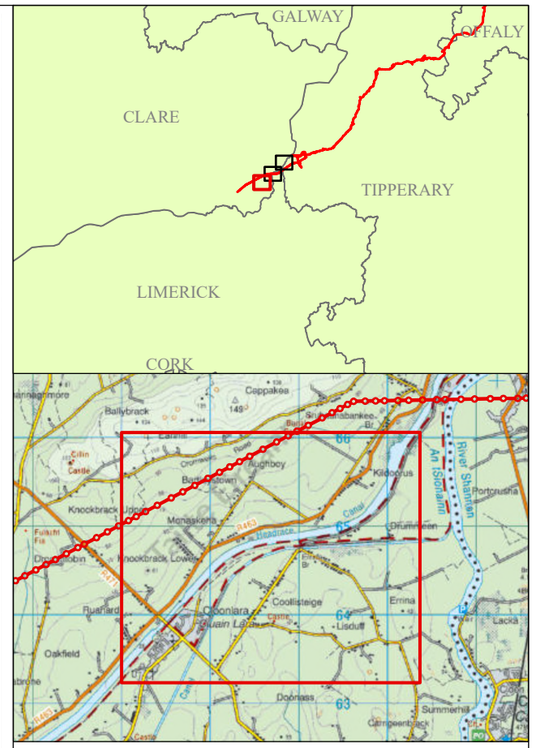
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Proposed New Interpoles
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

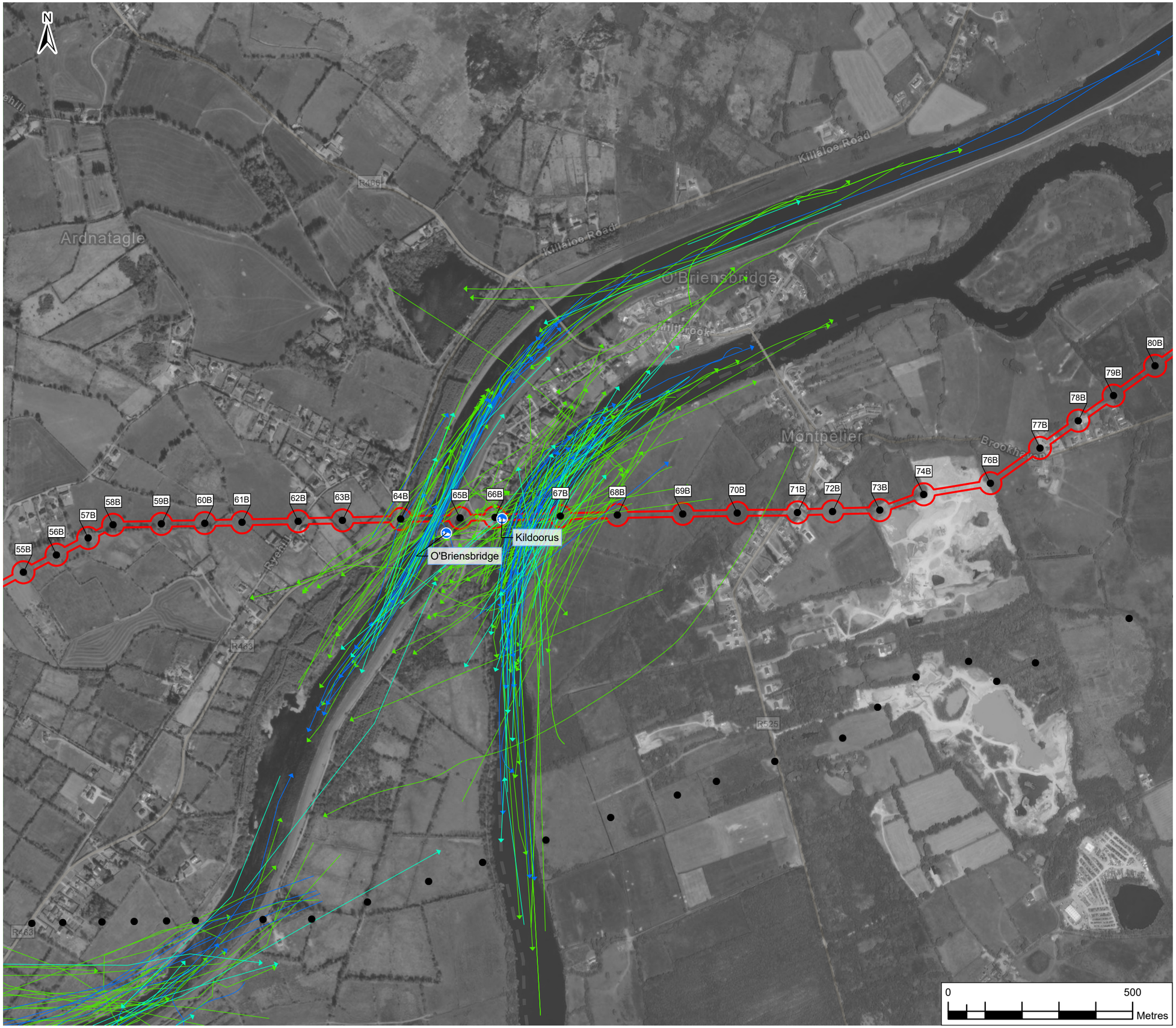
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Sheet 1 of 3

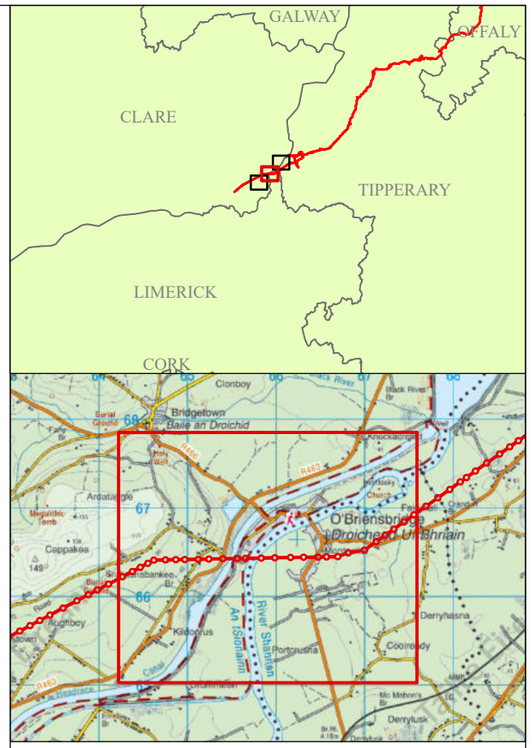
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Proposed New Interpoles
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

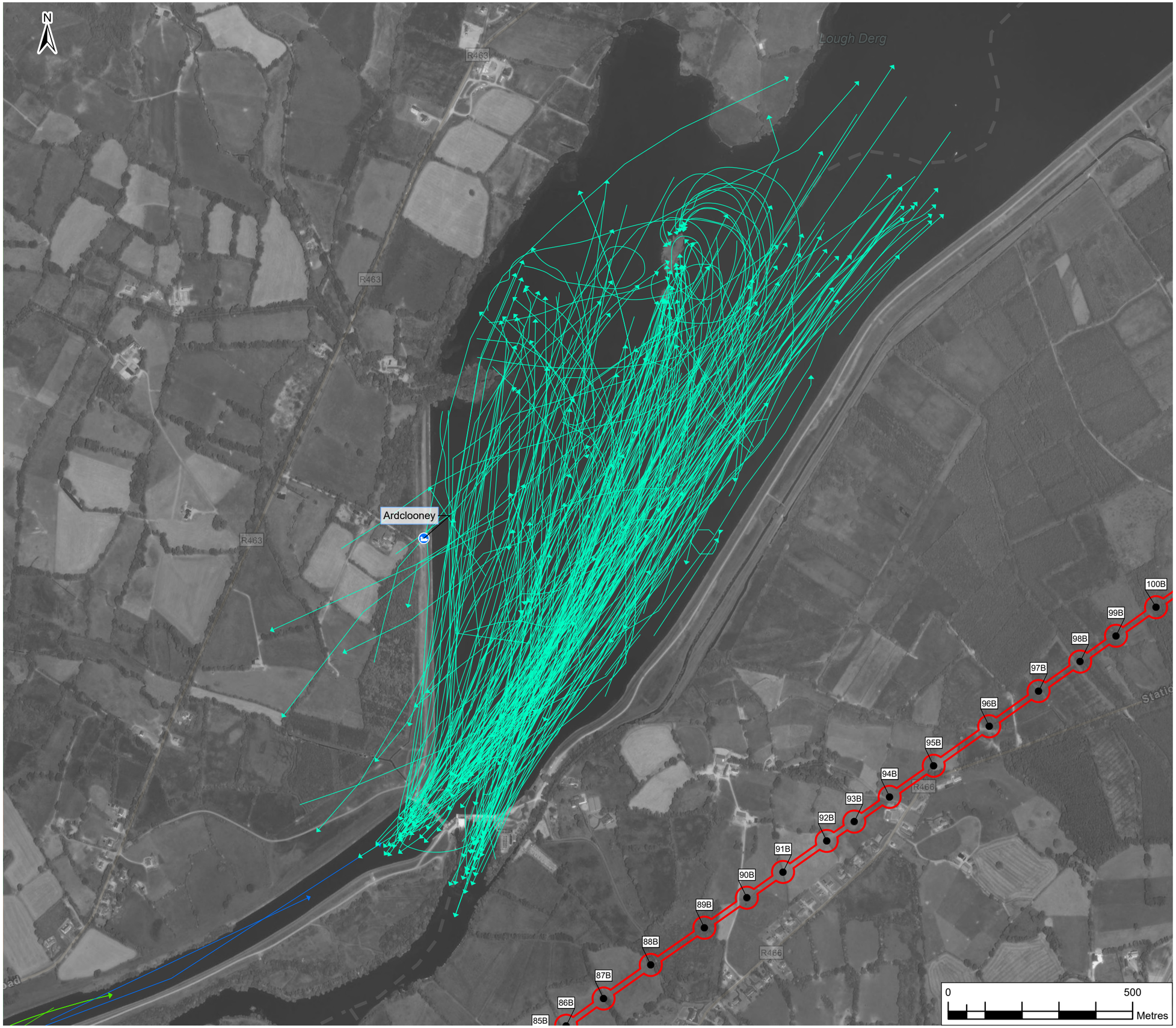
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Sheet 2 of 3

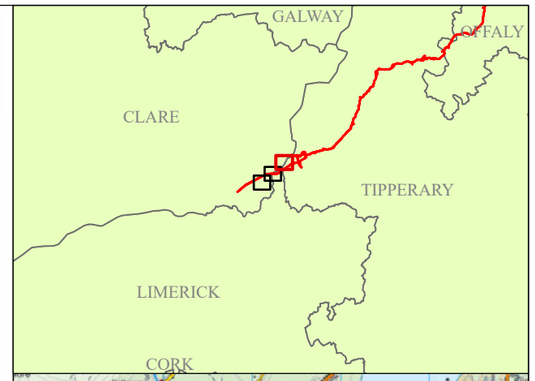
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Proposed New Interpoles
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

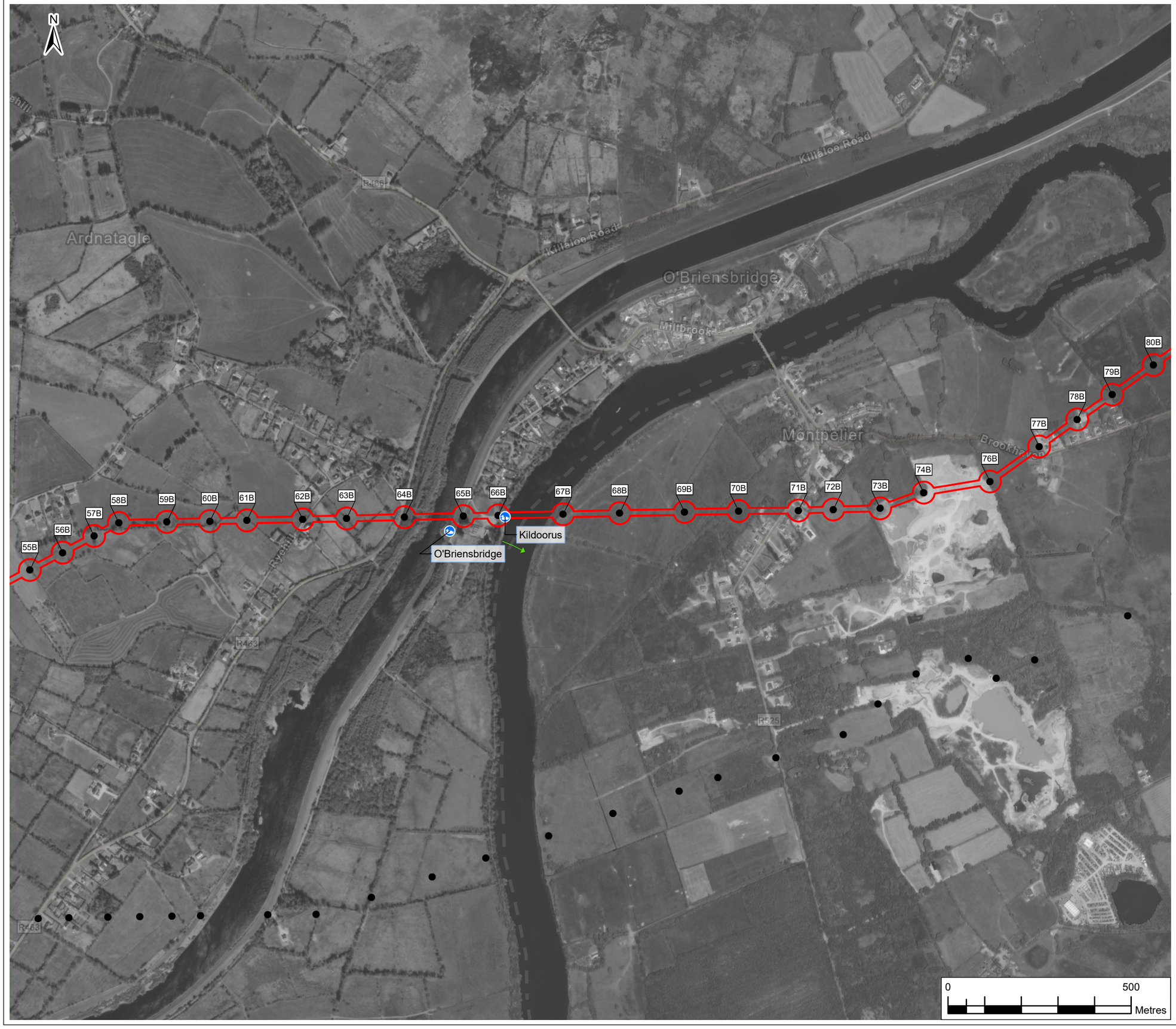
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Sheet 3 of 3

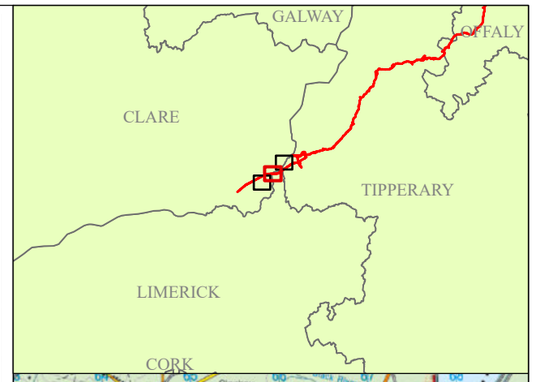
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

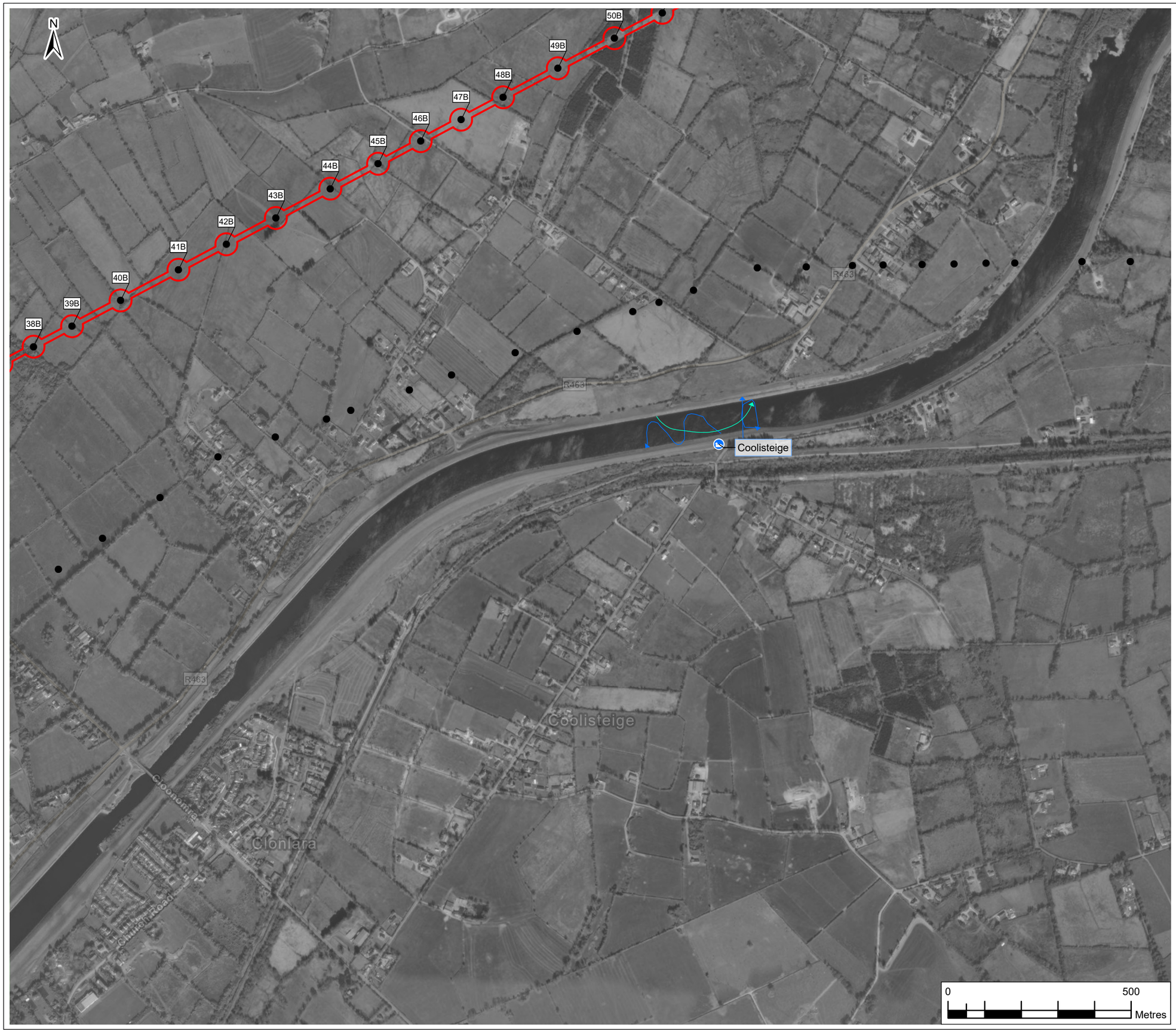
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38kV Winter Vantage Point Surveys -
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Sheet 1 of 1

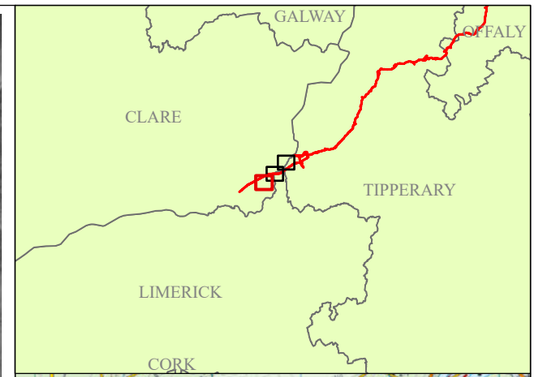
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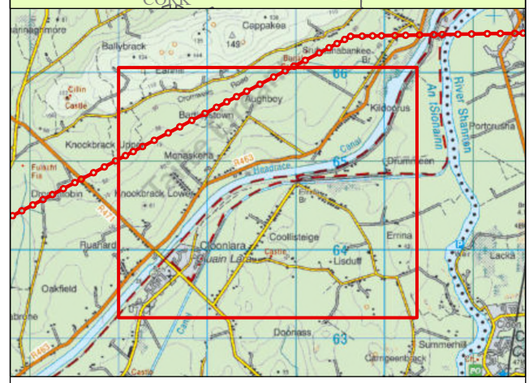
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

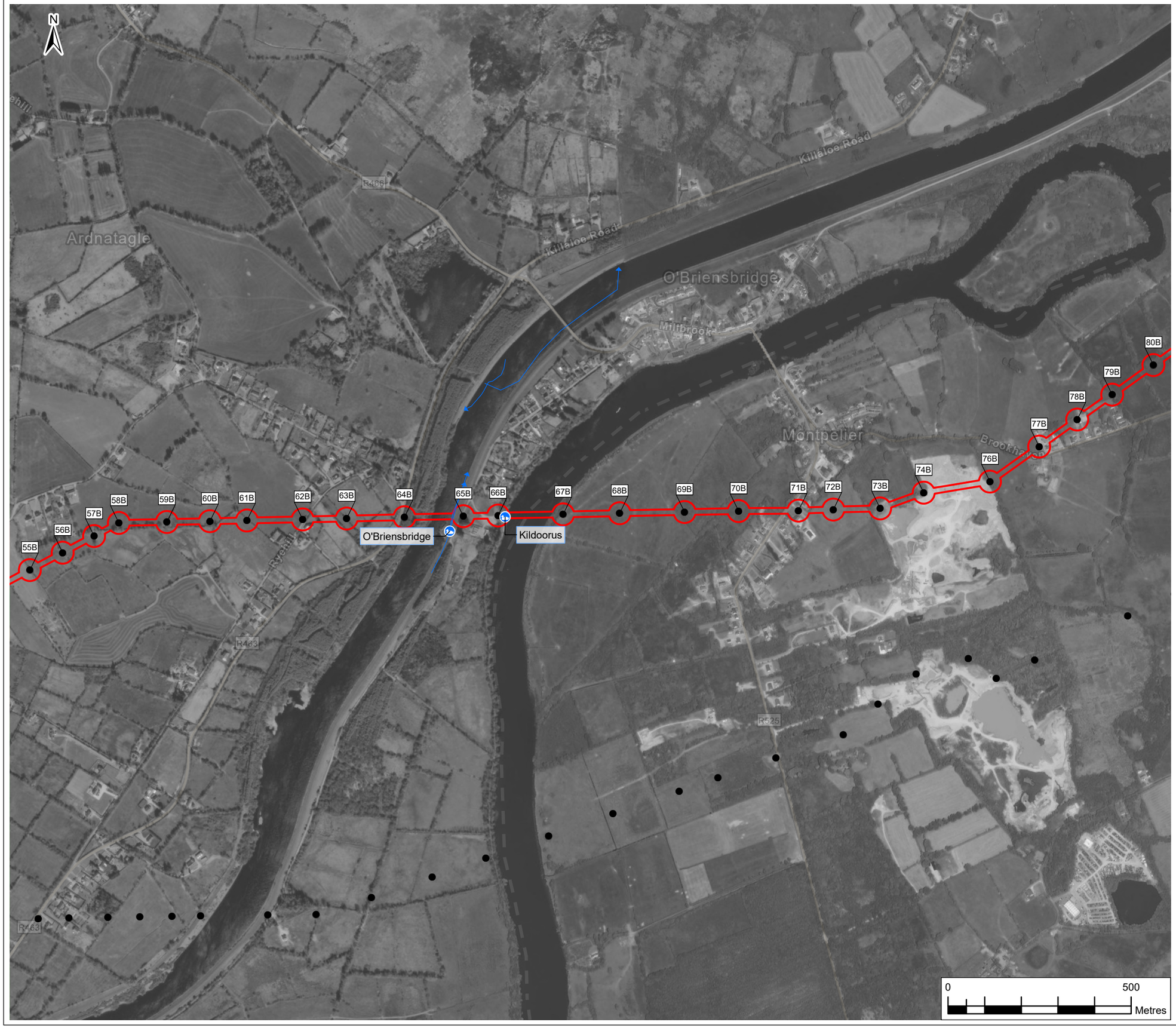
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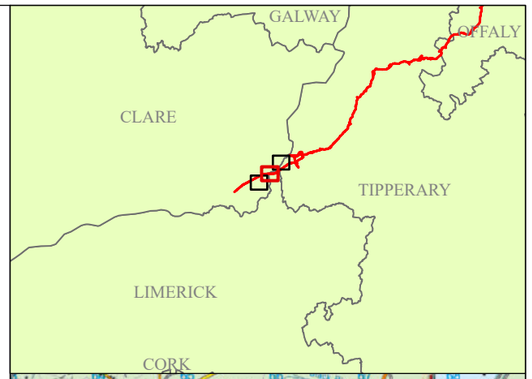
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38kV Winter Vantage Point Surveys -
Common Sandpiper 2019 to 2025
Sheet 1 of 2

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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

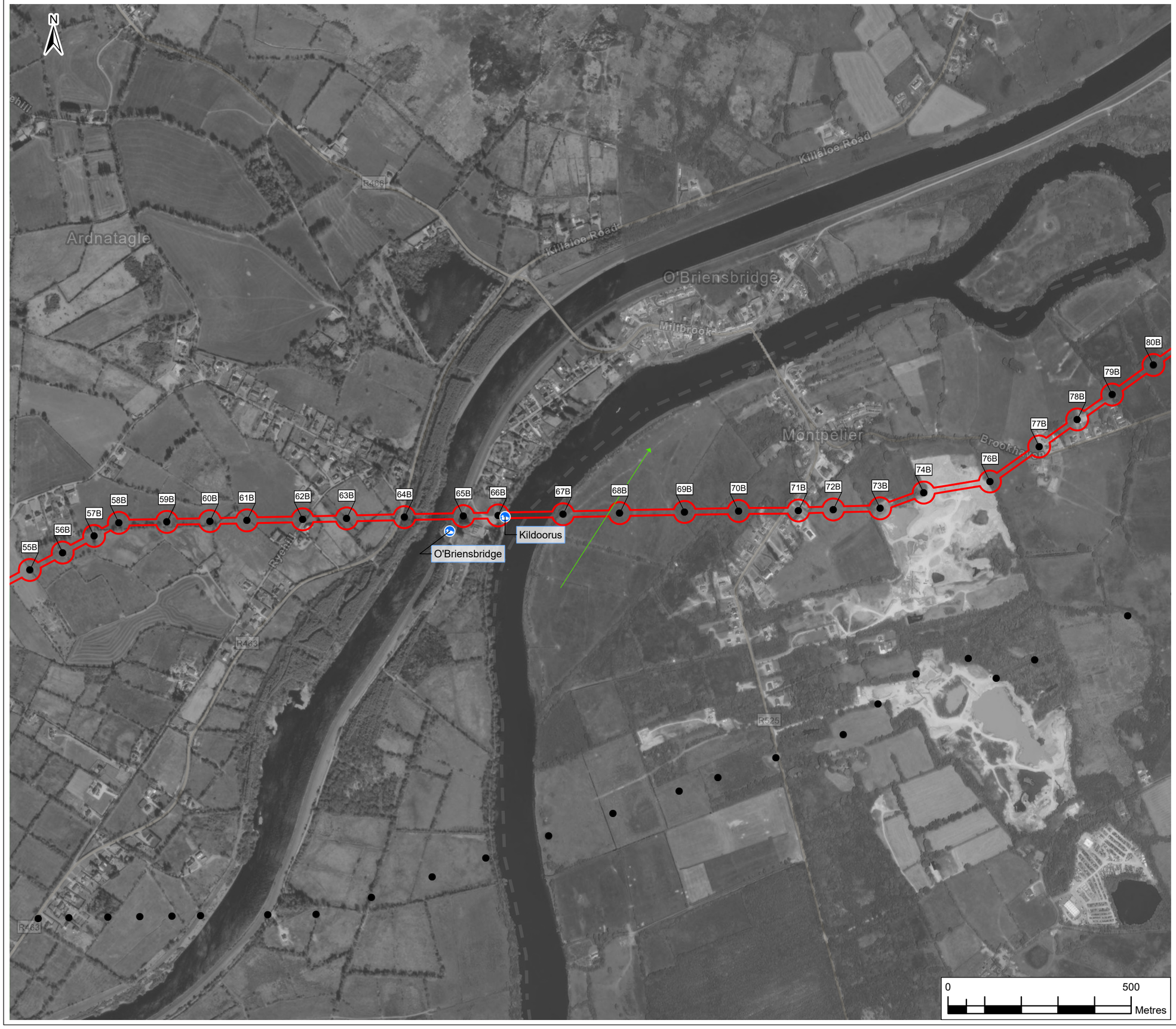
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38kV Winter Vantage Point Surveys -
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Sheet 2 of 2

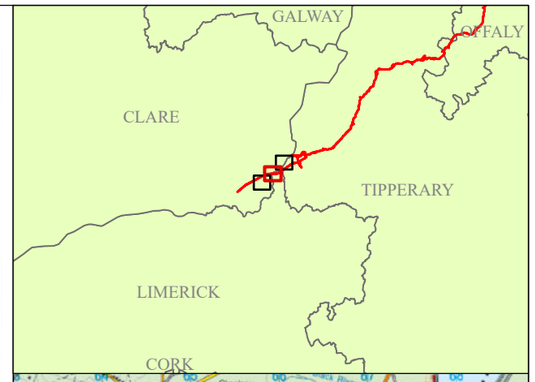
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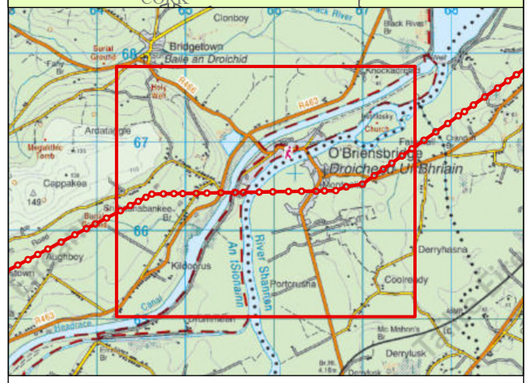
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

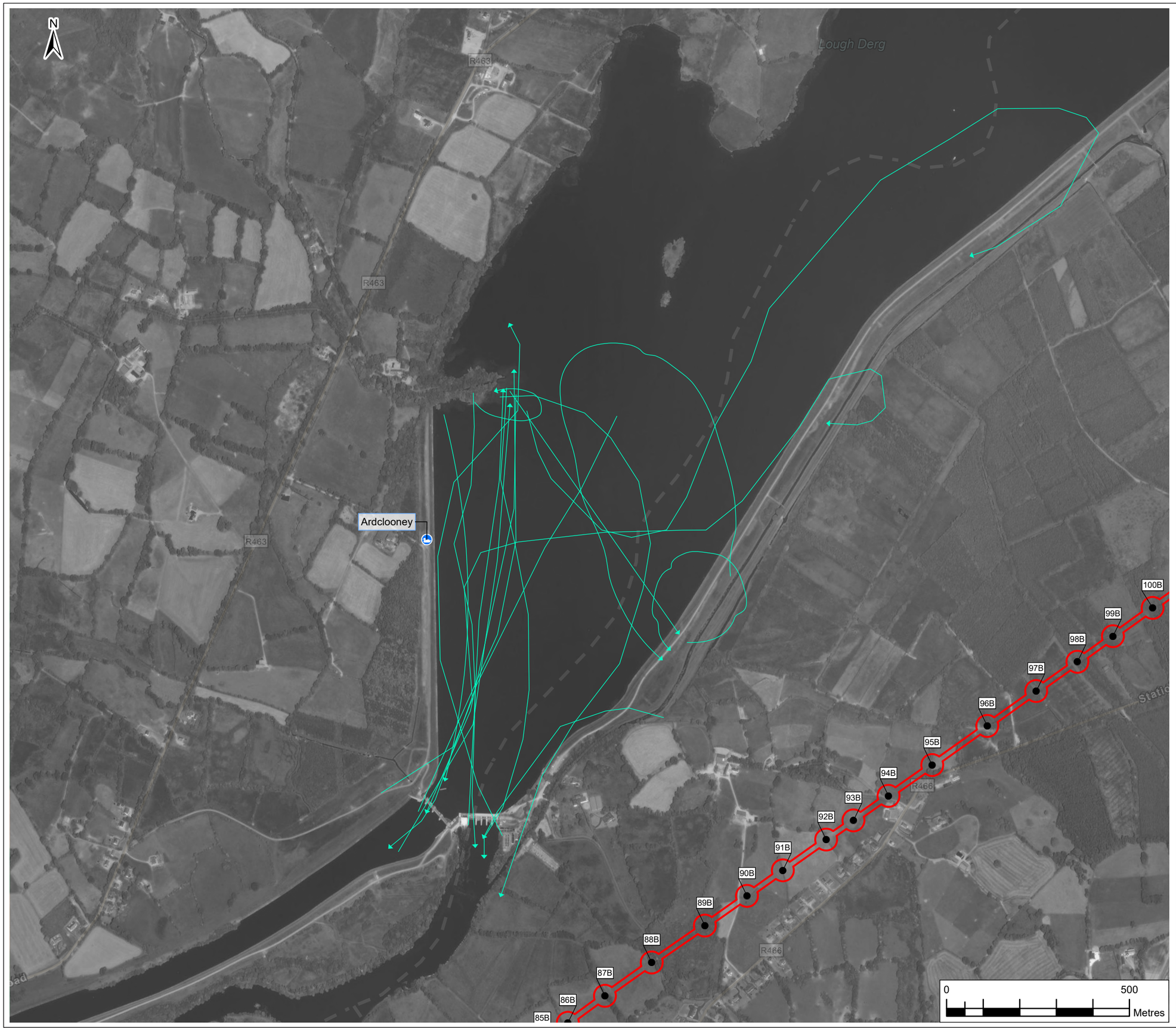
Drawing Title: Annex B Figure 13
38kV Winter Vantage Point Surveys -
Curlew 2019 to 2025
Sheet 1 of 2

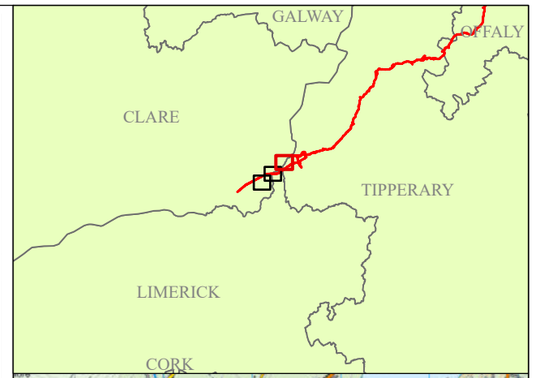
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

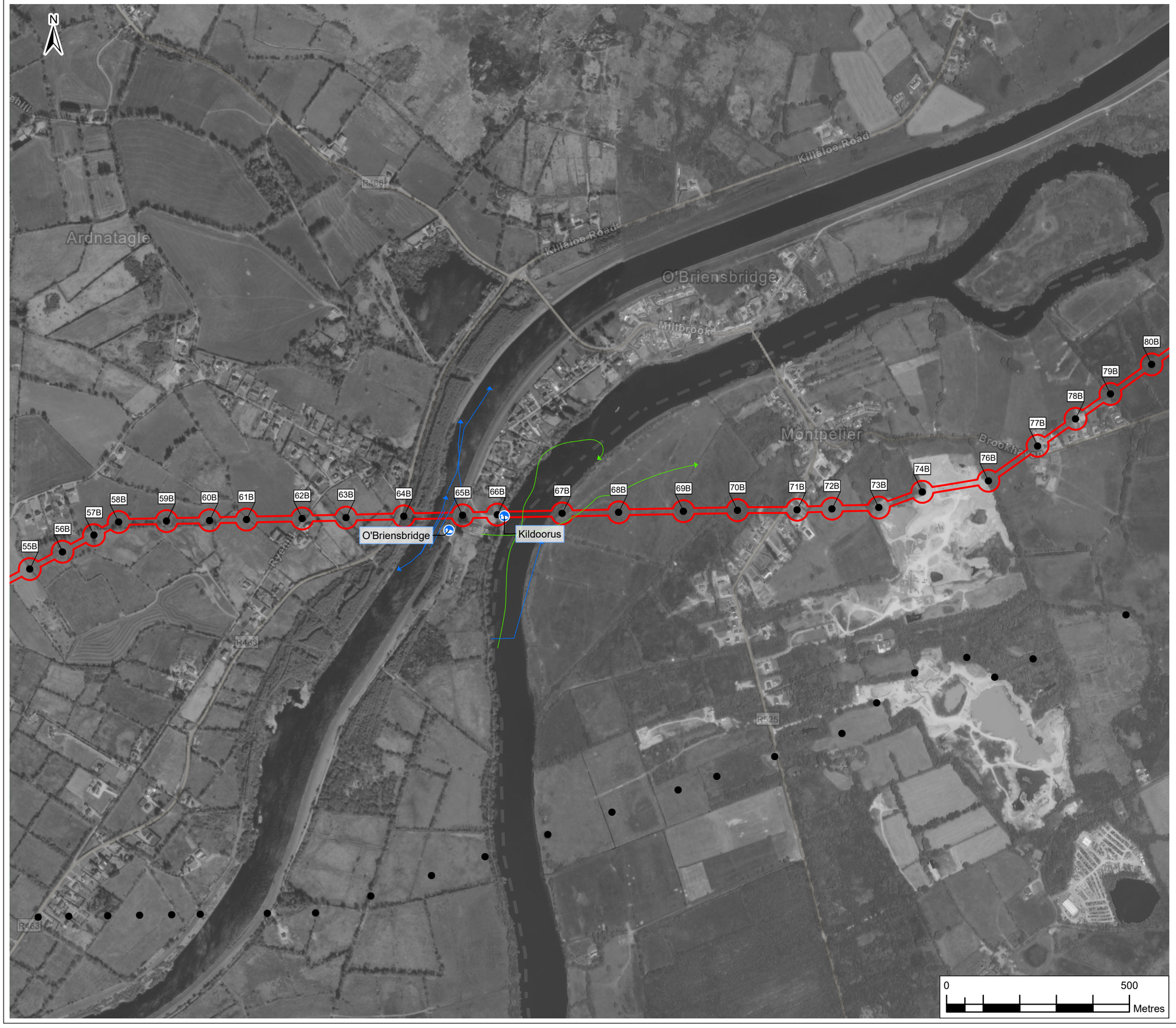
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38kV Winter Vantage Point Surveys -
Curlew 2019 to 2025
Sheet 2 of 2

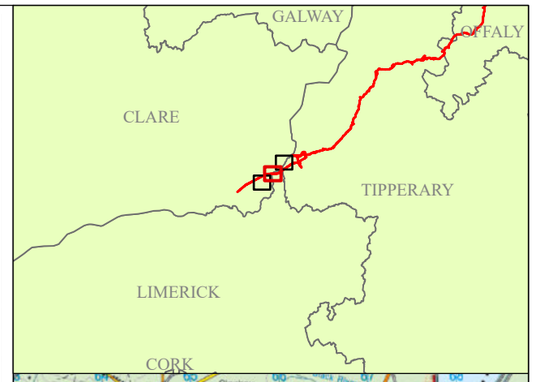
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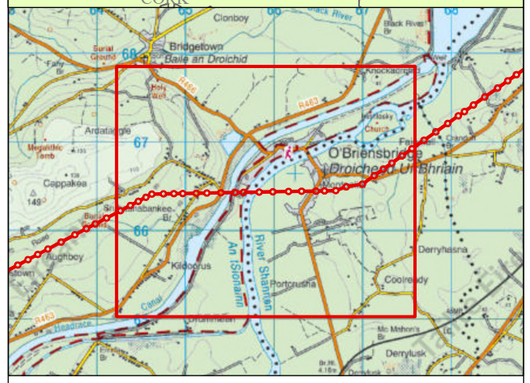
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

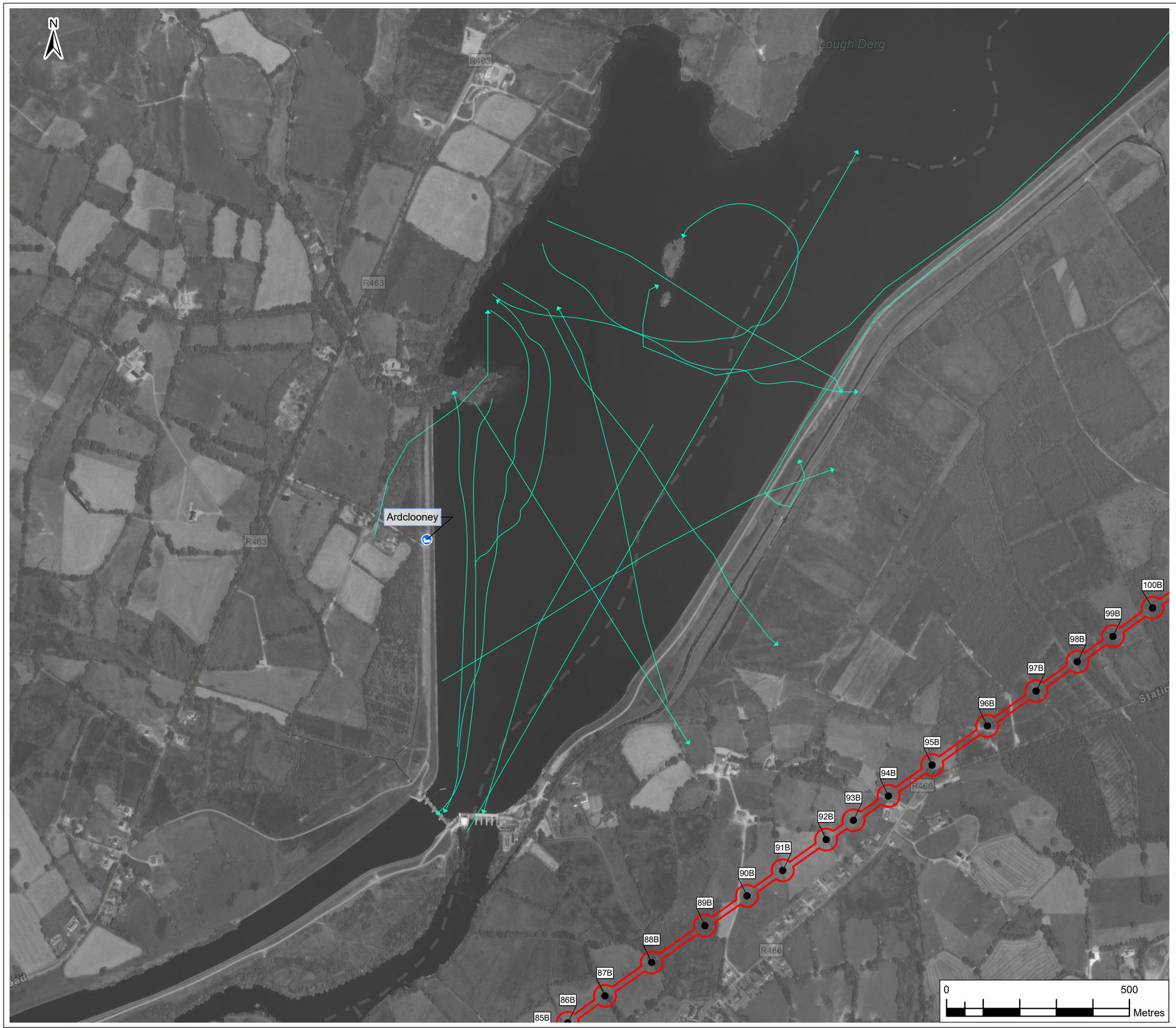
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38kV Winter Vantage Point Surveys -
Little Egret 2019 to 2025
Sheet 1 of 2

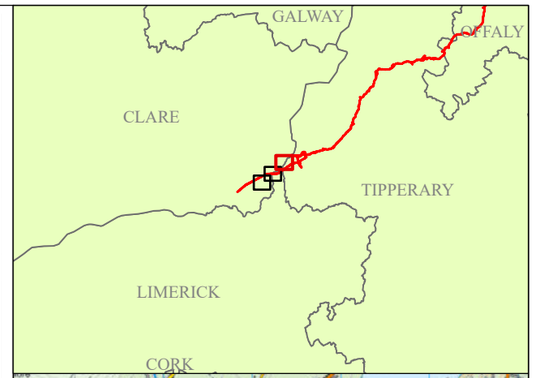
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

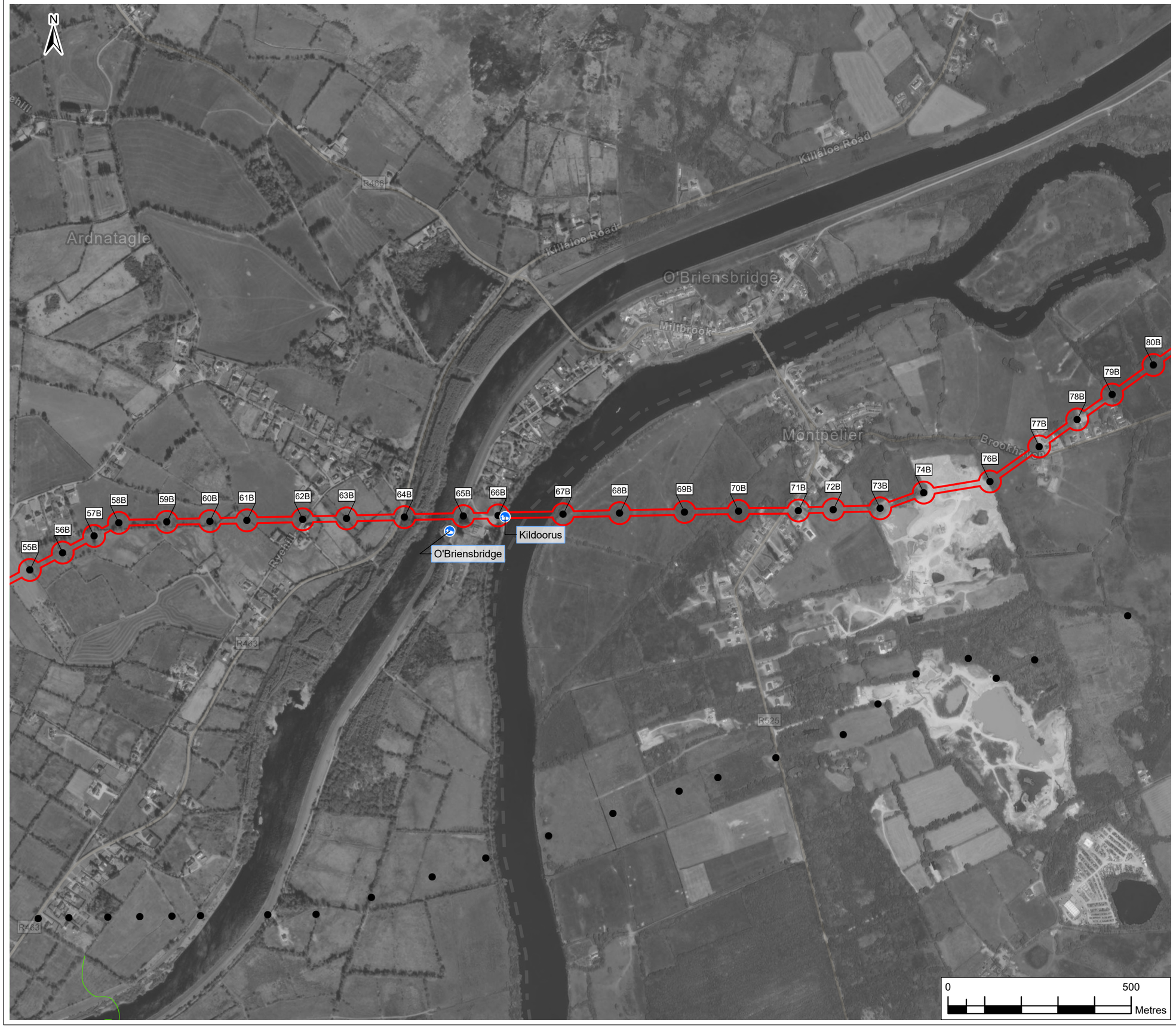
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38kV Winter Vantage Point Surveys -
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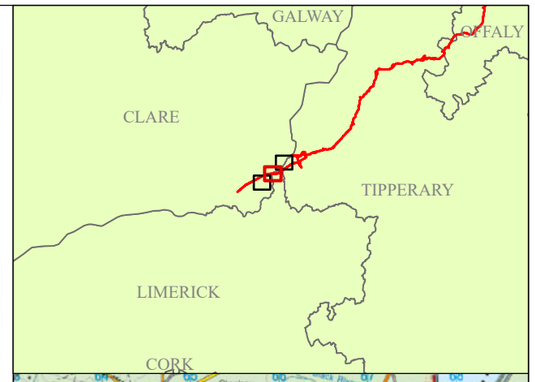
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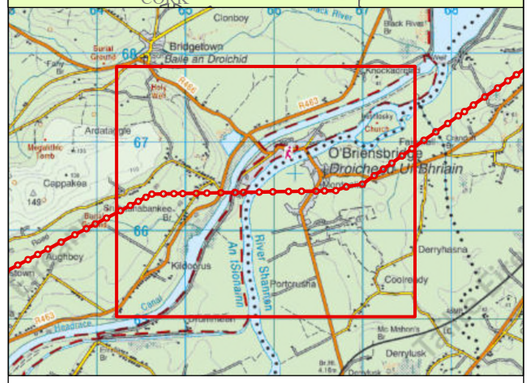
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

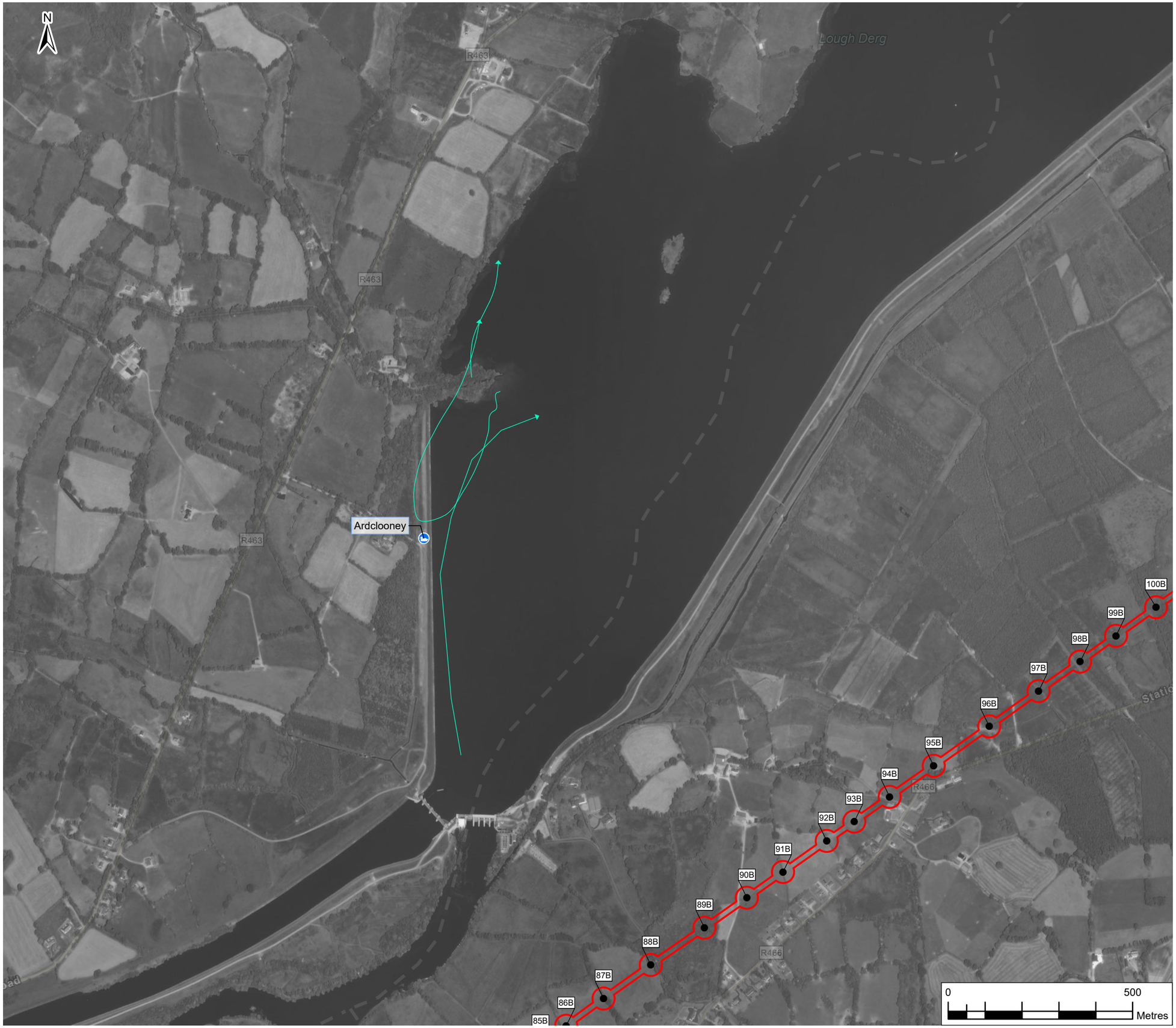
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38kV Winter Vantage Point Surveys -
Great Black-backed Gull 2019 to 2025
Sheet 1 of 2

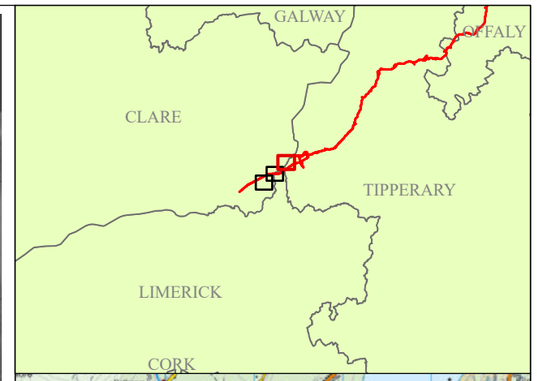
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 18
38kV Winter Vantage Point Surveys -
Great Black-backed Gull 2019 to 2025
Sheet 2 of 2

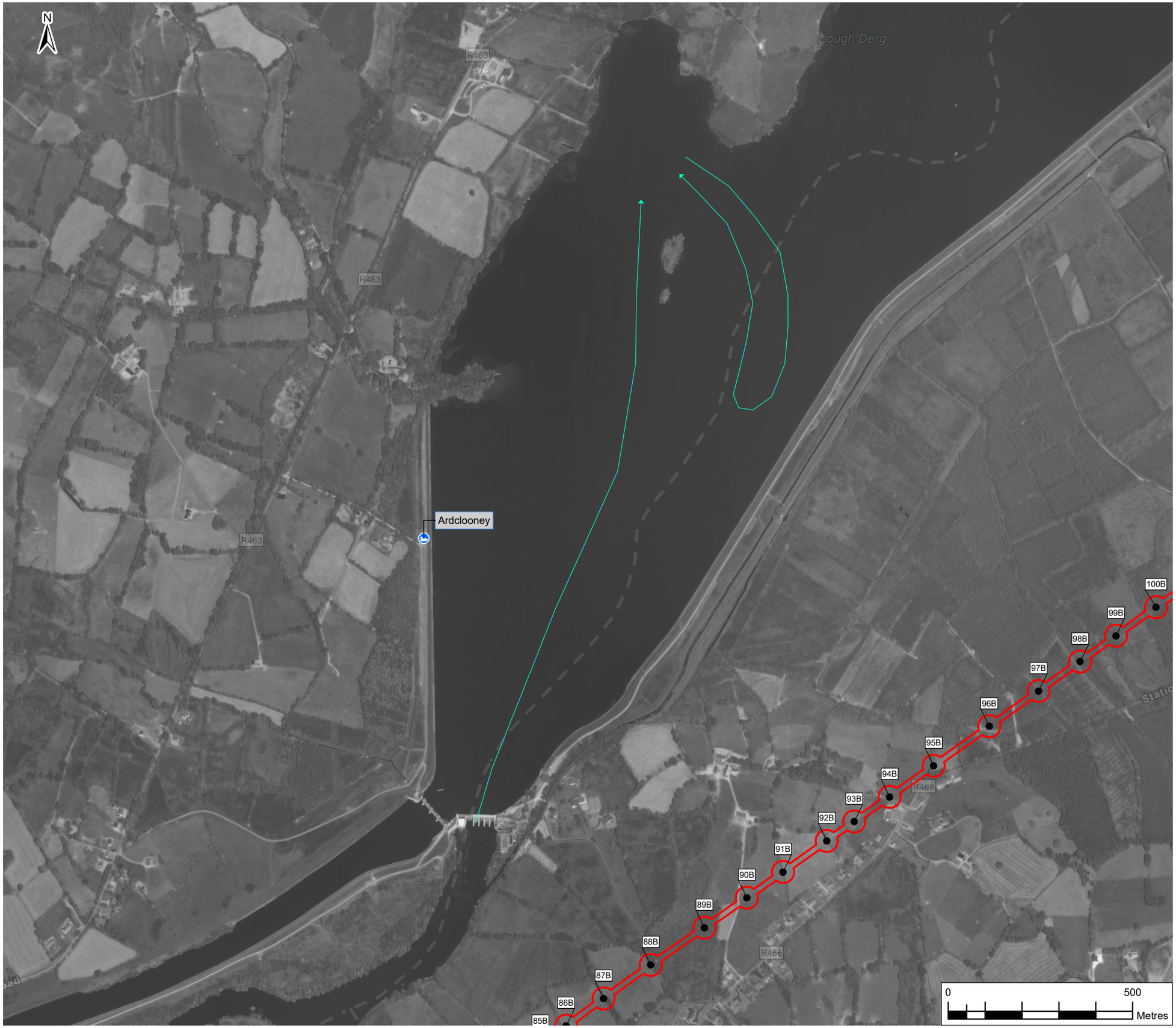
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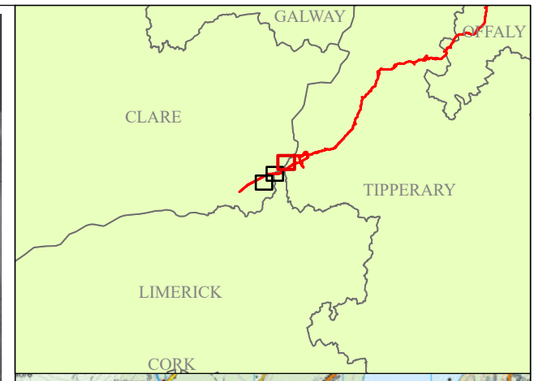
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

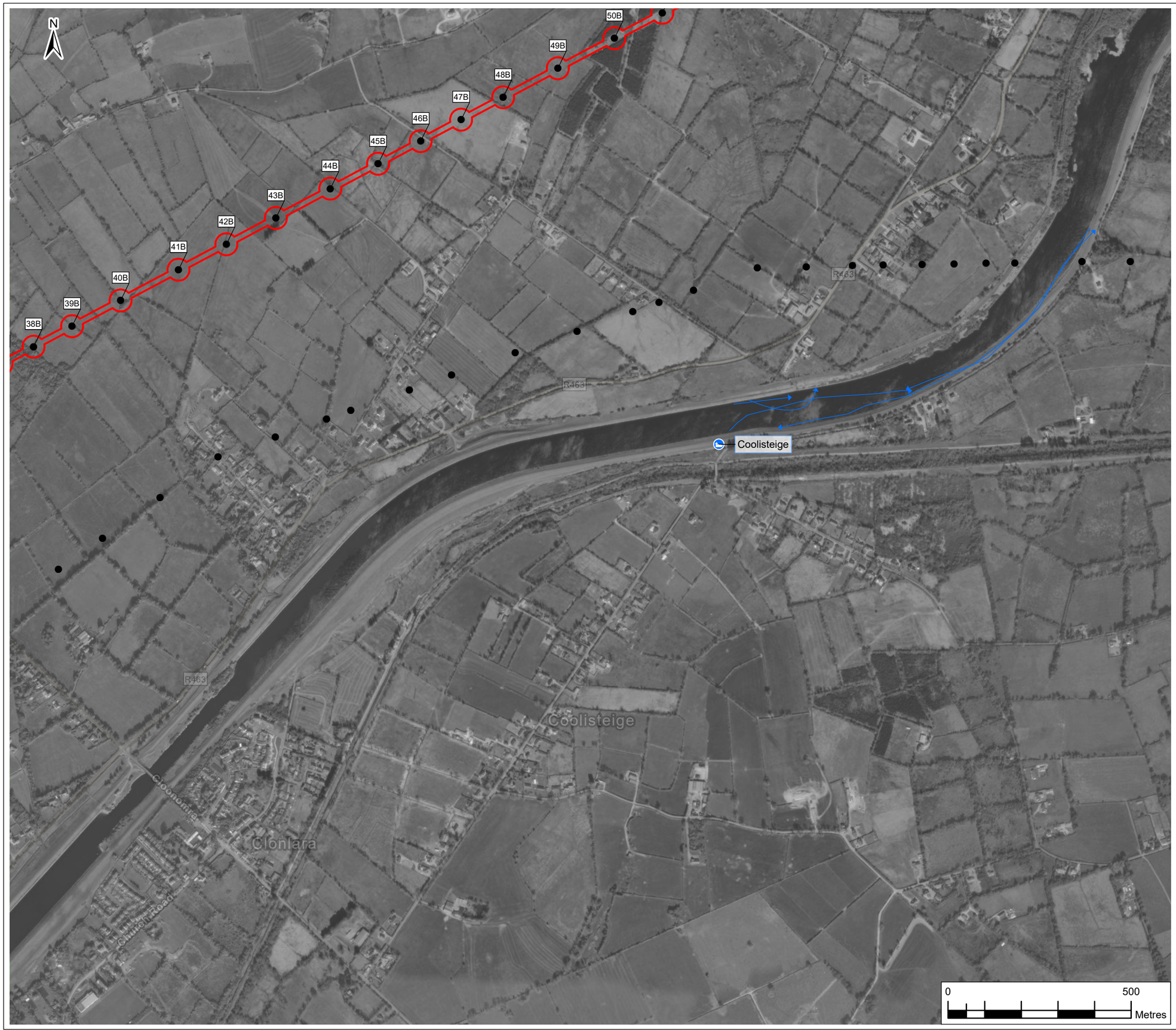
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Sheet 1 of 1

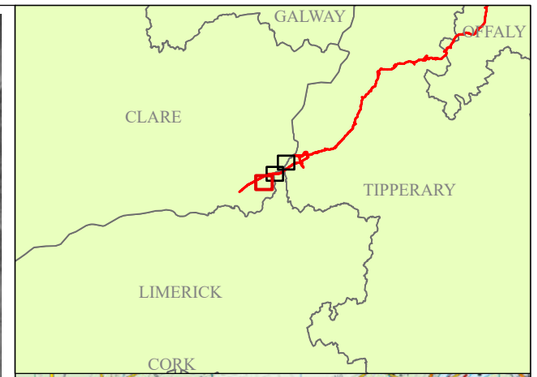
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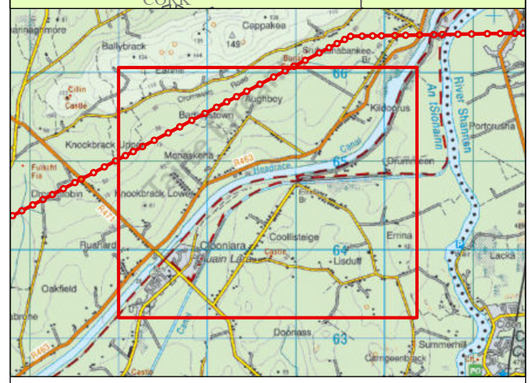
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

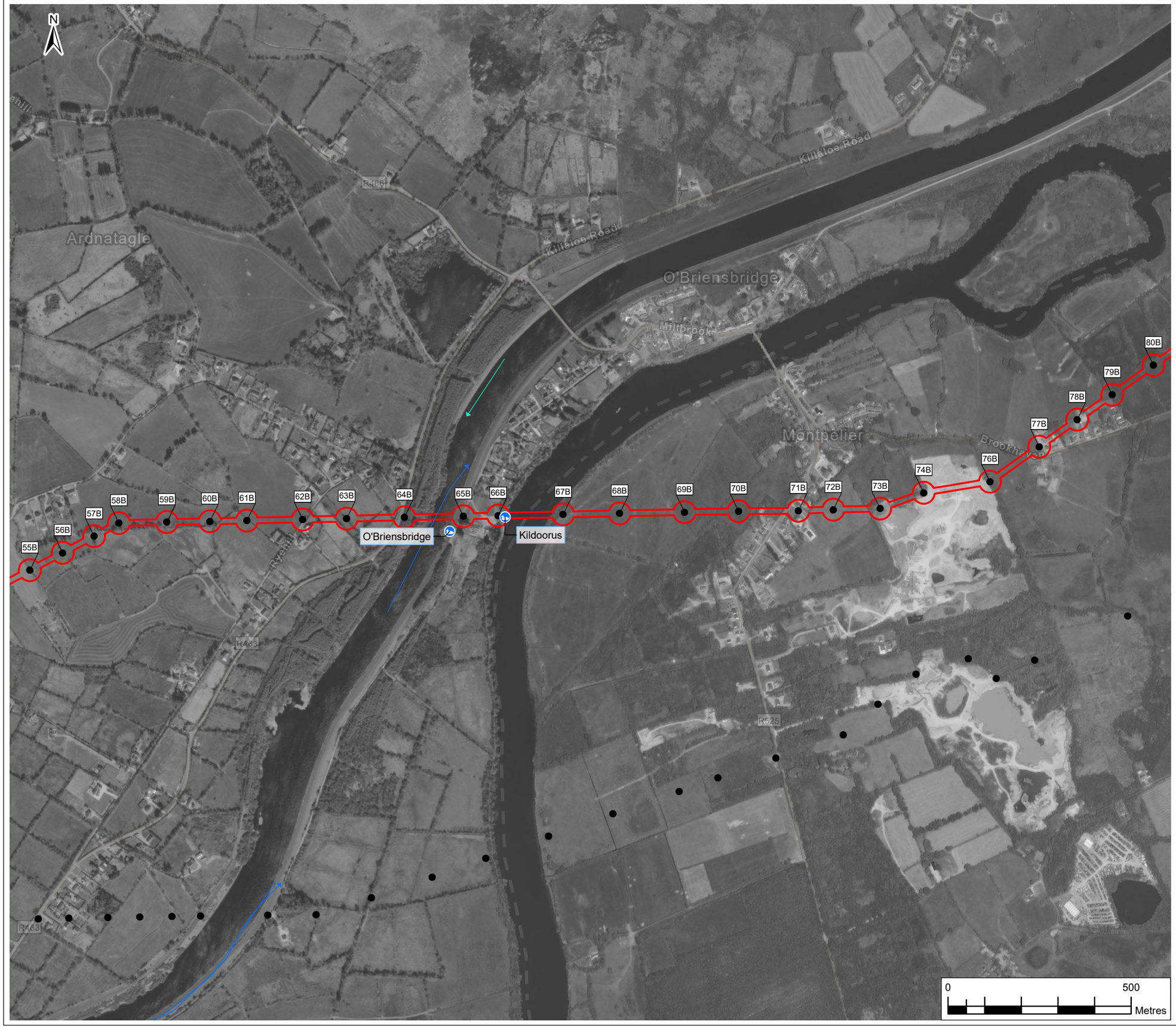
Drawing Title: Annex B Figure 20
38kV Winter Vantage Point Surveys -
Green Sandpiper 2019 to 2025
Sheet 1 of 3

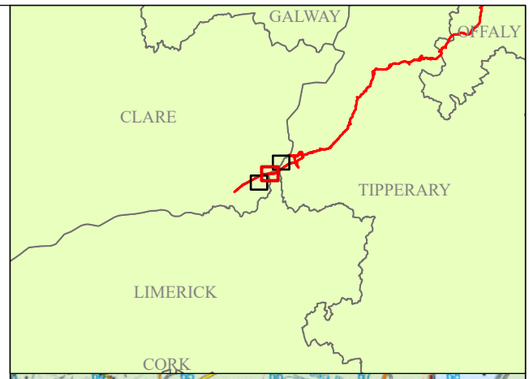
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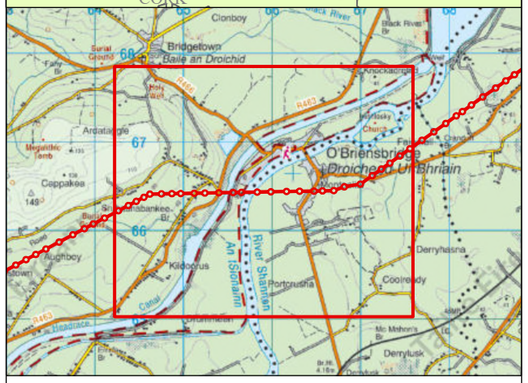
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

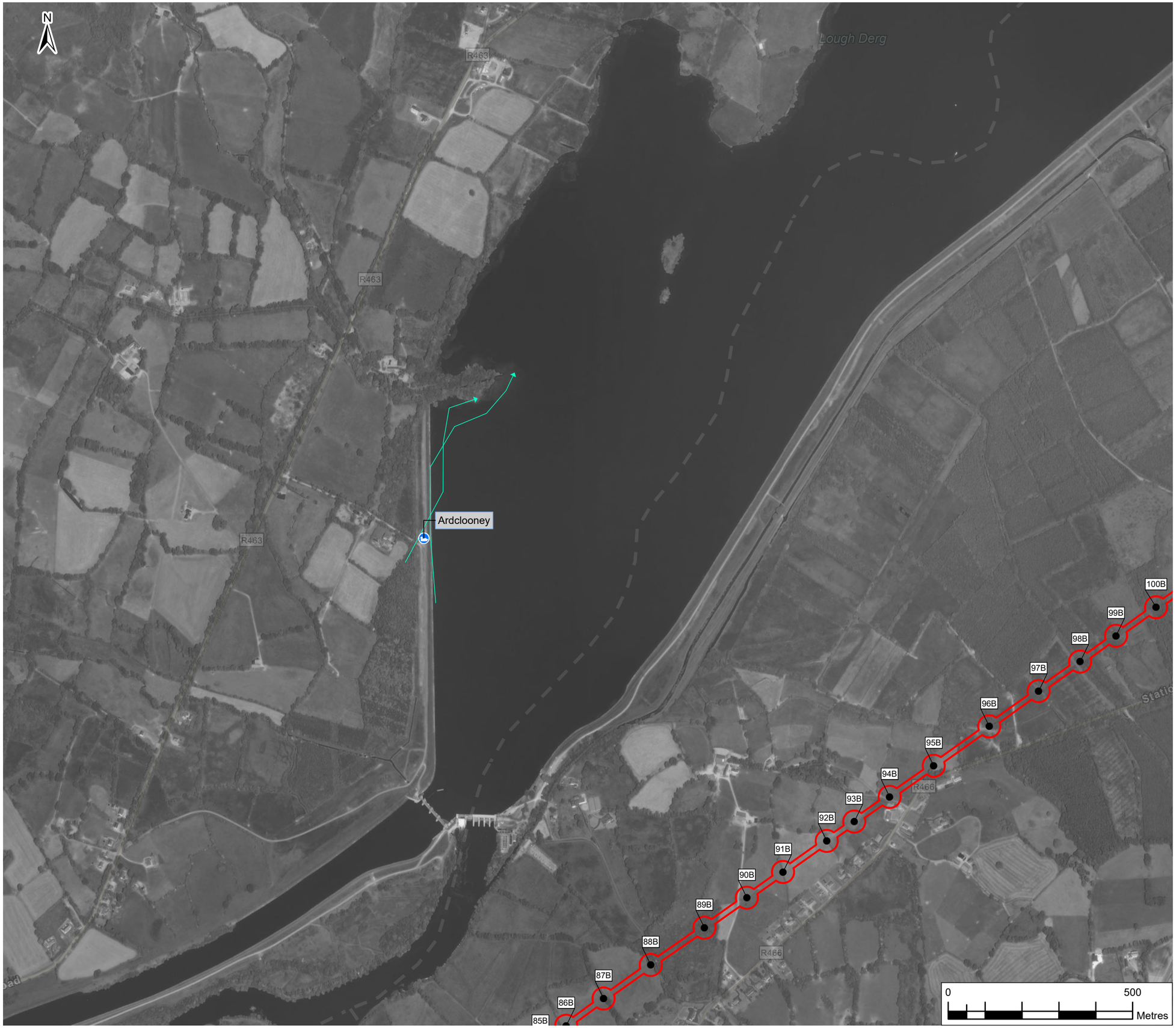
Drawing Title: Annex B Figure 21
38kV Winter Vantage Point Surveys -
Green Sandpiper 2019 to 2025
Sheet 2 of 3

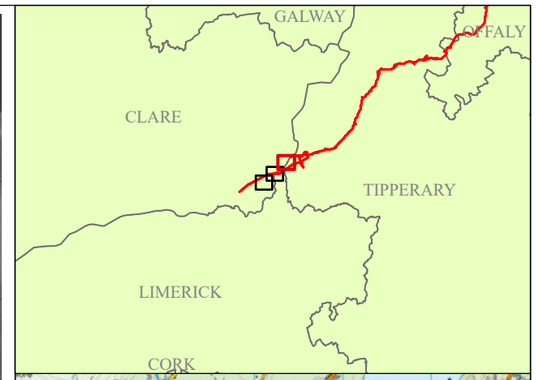
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

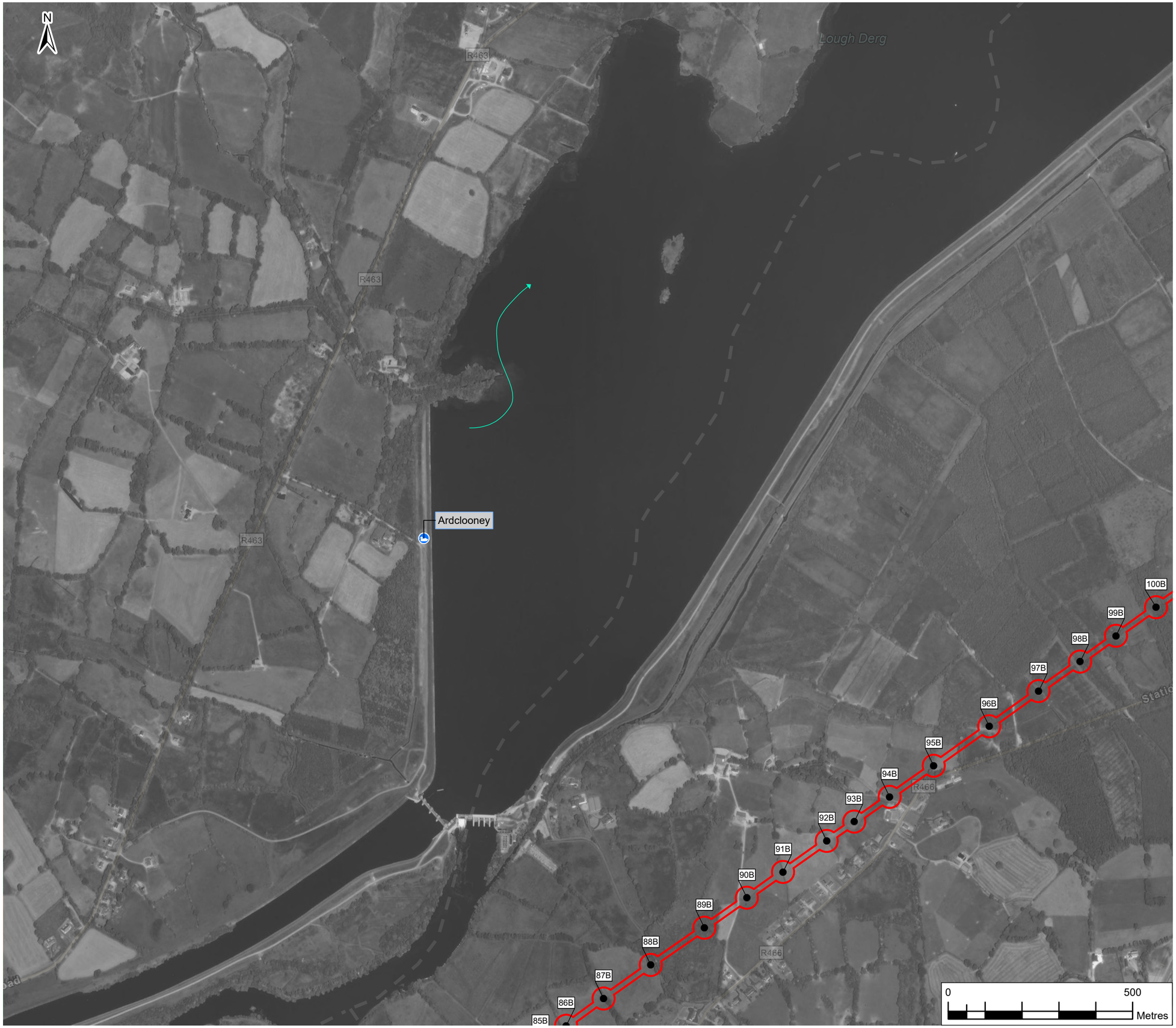
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38kV Winter Vantage Point Surveys -
Green Sandpiper 2019 to 2025
Sheet 3 of 3

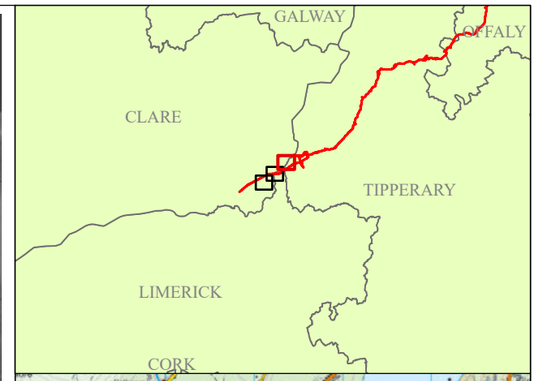
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

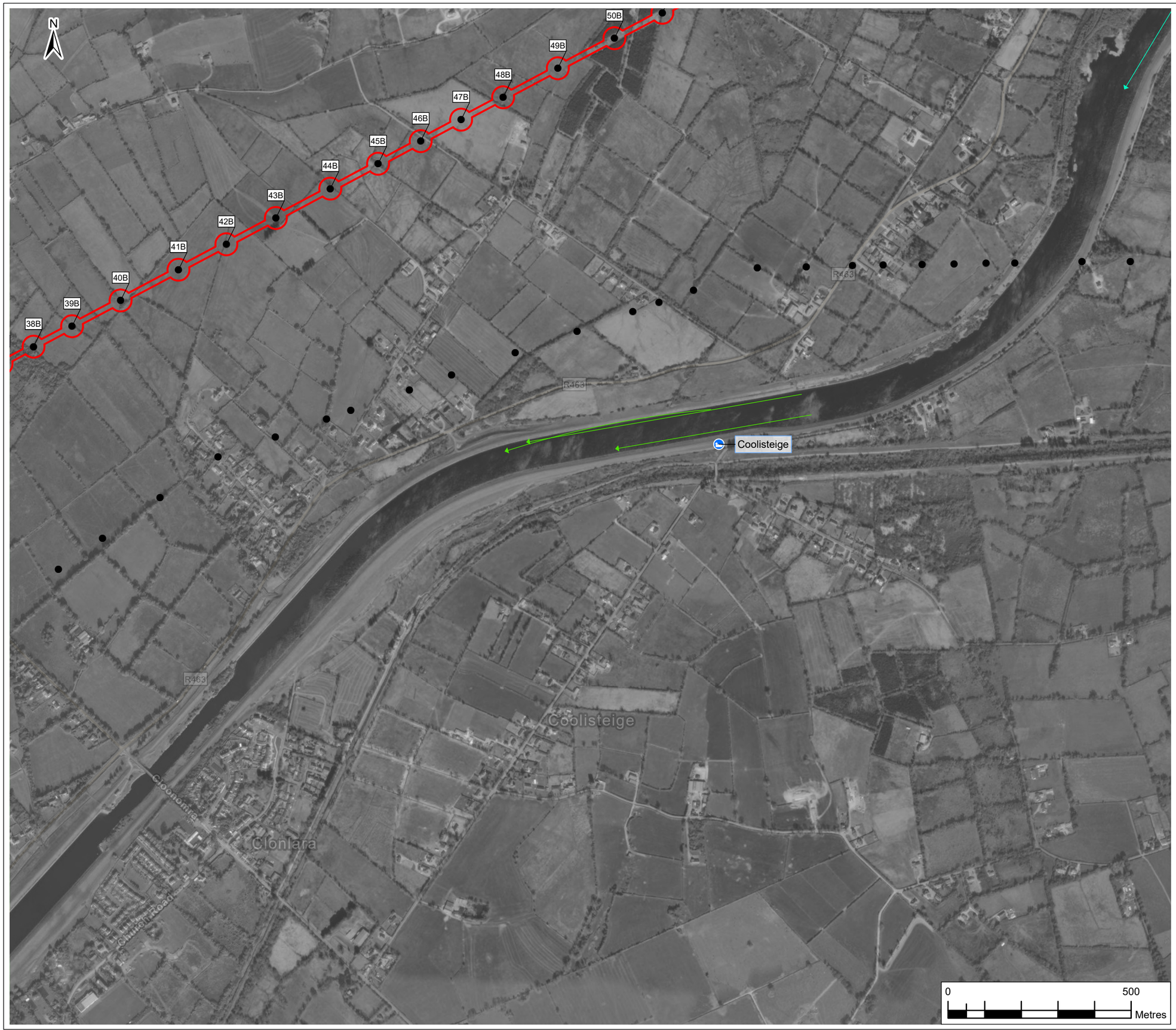
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38kV Winter Vantage Point Surveys -
Great Crested Grebe 2019 to 2025
Sheet 1 of 1

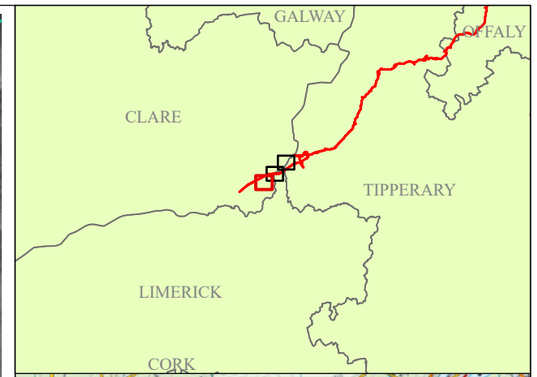
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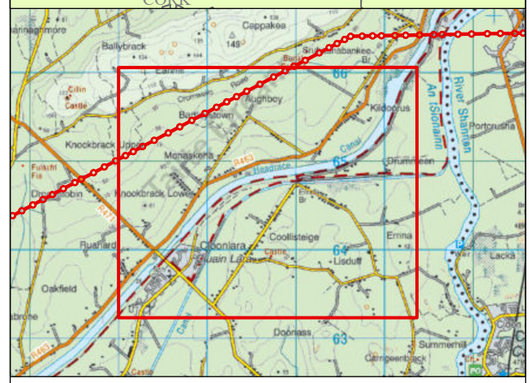
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

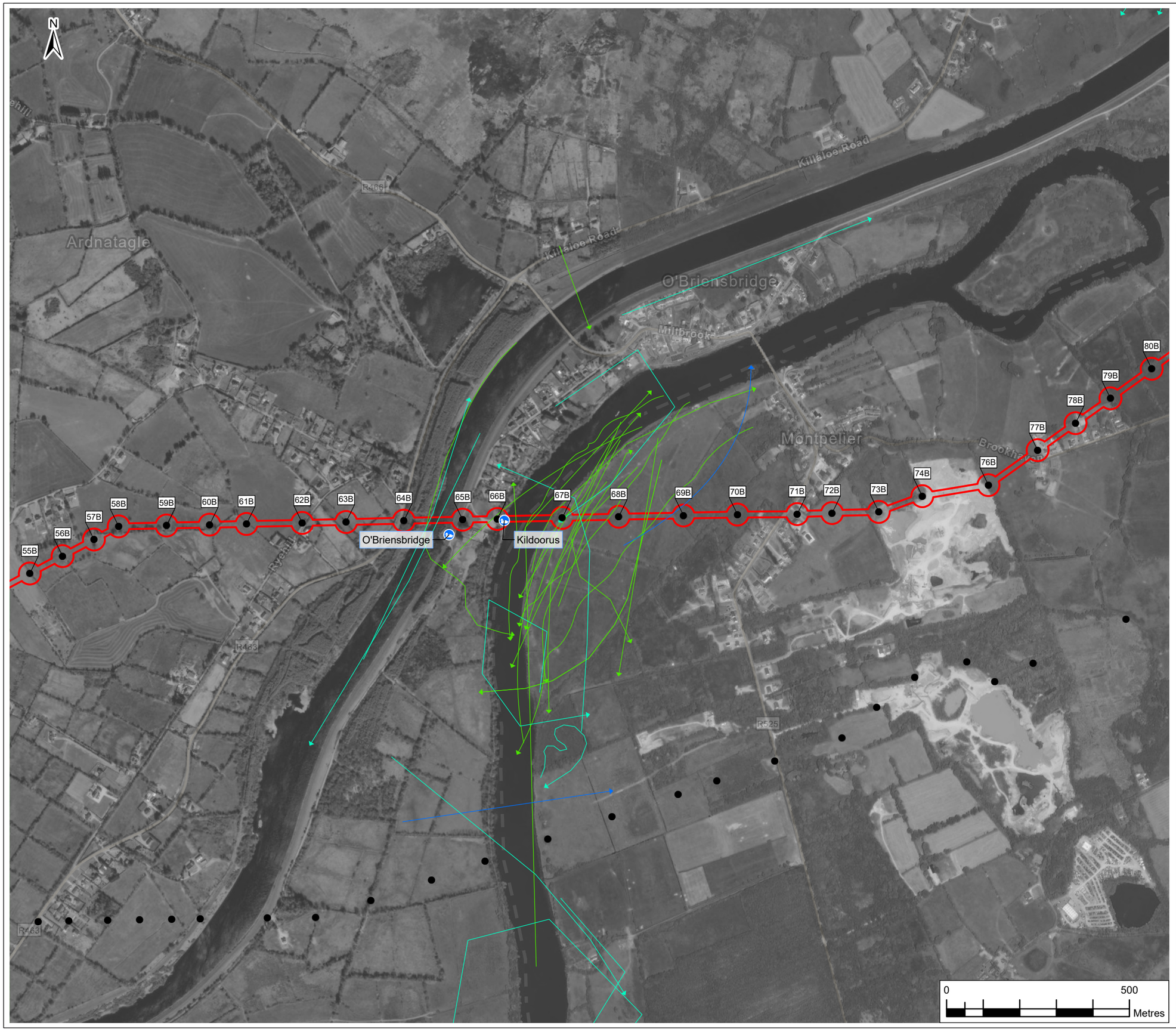
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38kV Winter Vantage Point Surveys -
Greylag Goose 2019 to 2025
Sheet 1 of 3

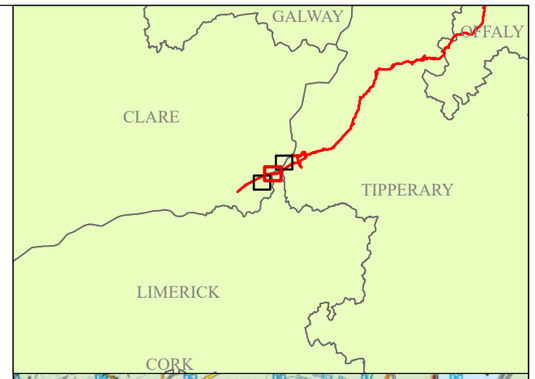
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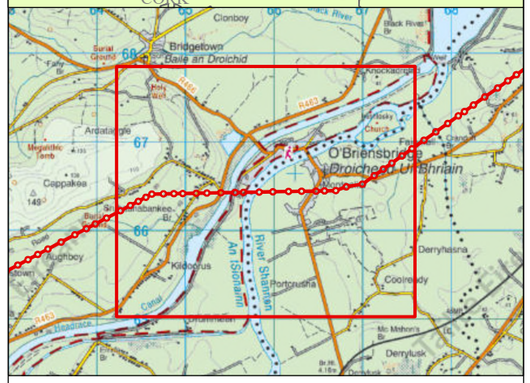
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

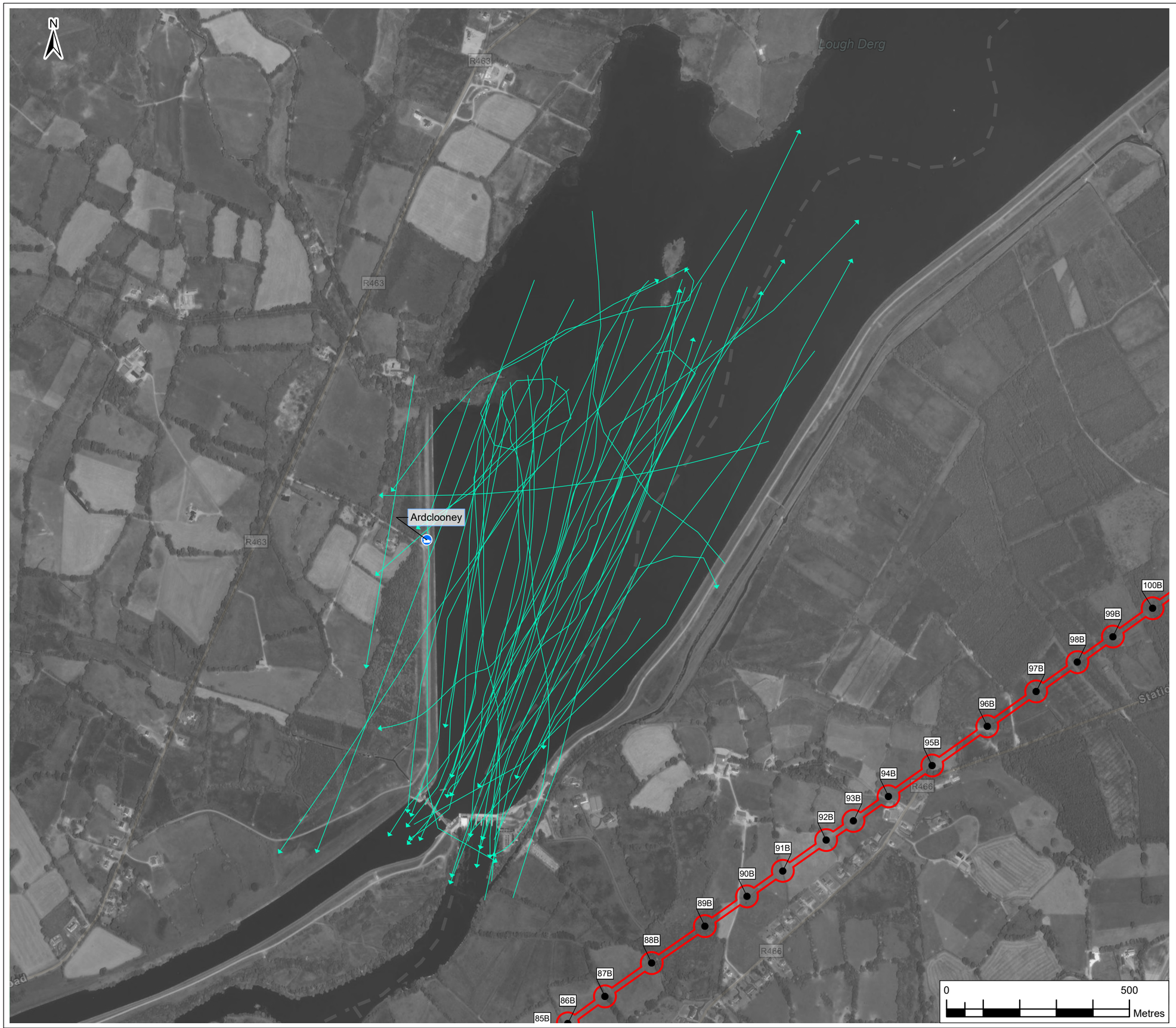
Annex B Figure 25
38kV Winter Vantage Point Surveys -
Greylag Goose 2019 to 2025
Sheet 2 of 3

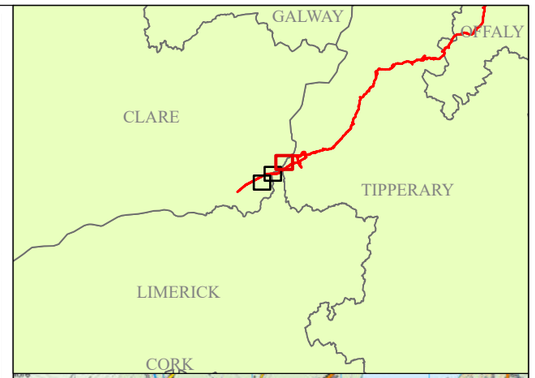
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 26
38kV Winter Vantage Point Surveys -
Greylag Goose 2019 to 2025
Sheet 3 of 3

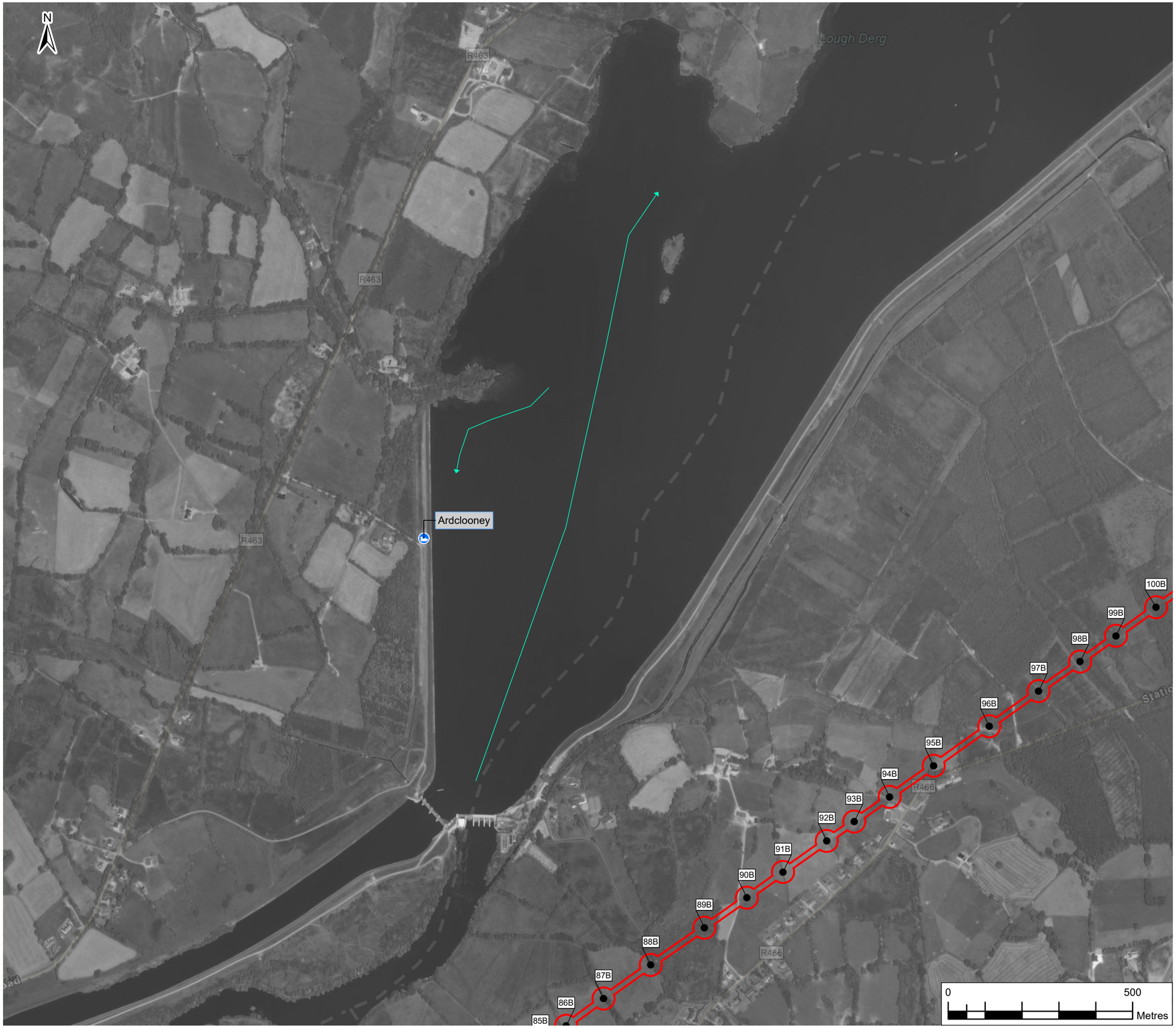
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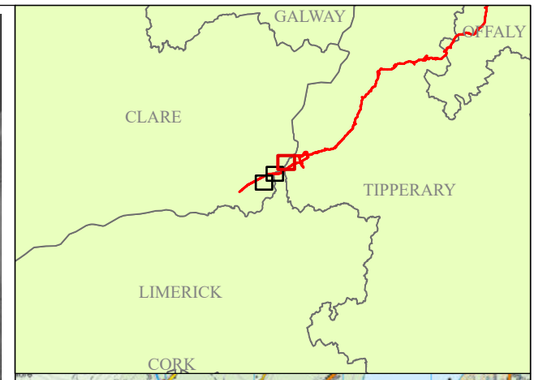
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

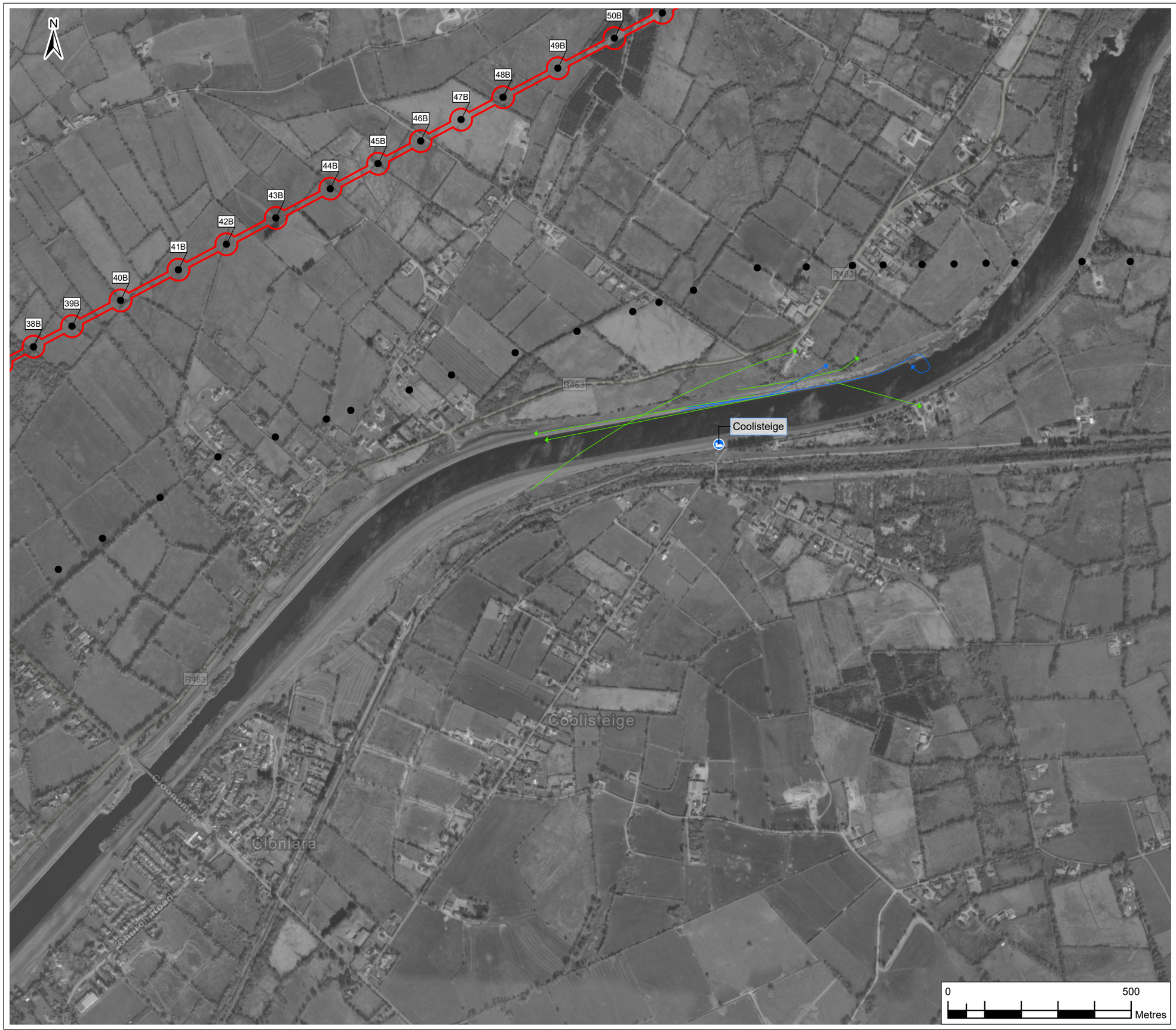
Drawing Title
Annex B Figure 27
38kV Winter Vantage Point Surveys -
Goldeneye 2019 to 2024
Sheet 1 of 1

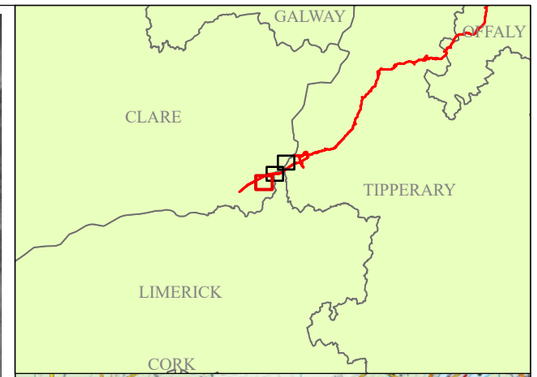
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Final - Planning Application

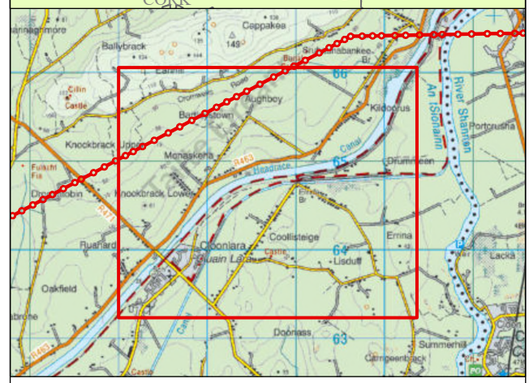
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

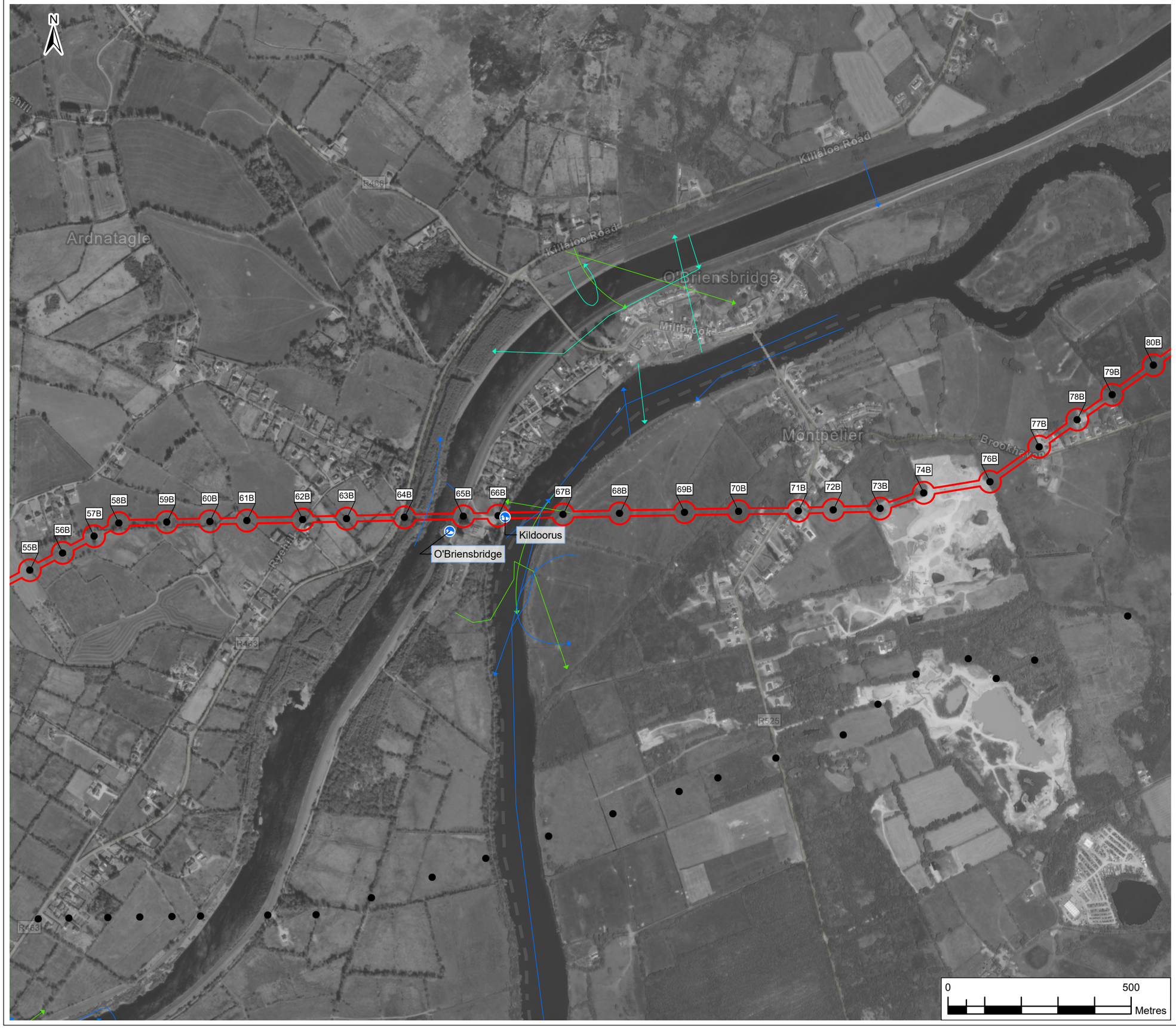
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38kV Winter Vantage Point Surveys -
Grey Heron 2019 to 2025
Sheet 1 of 3

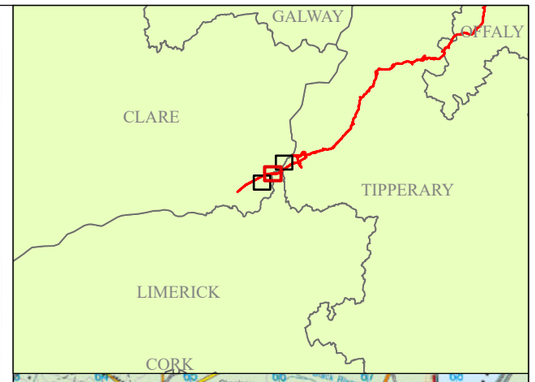
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

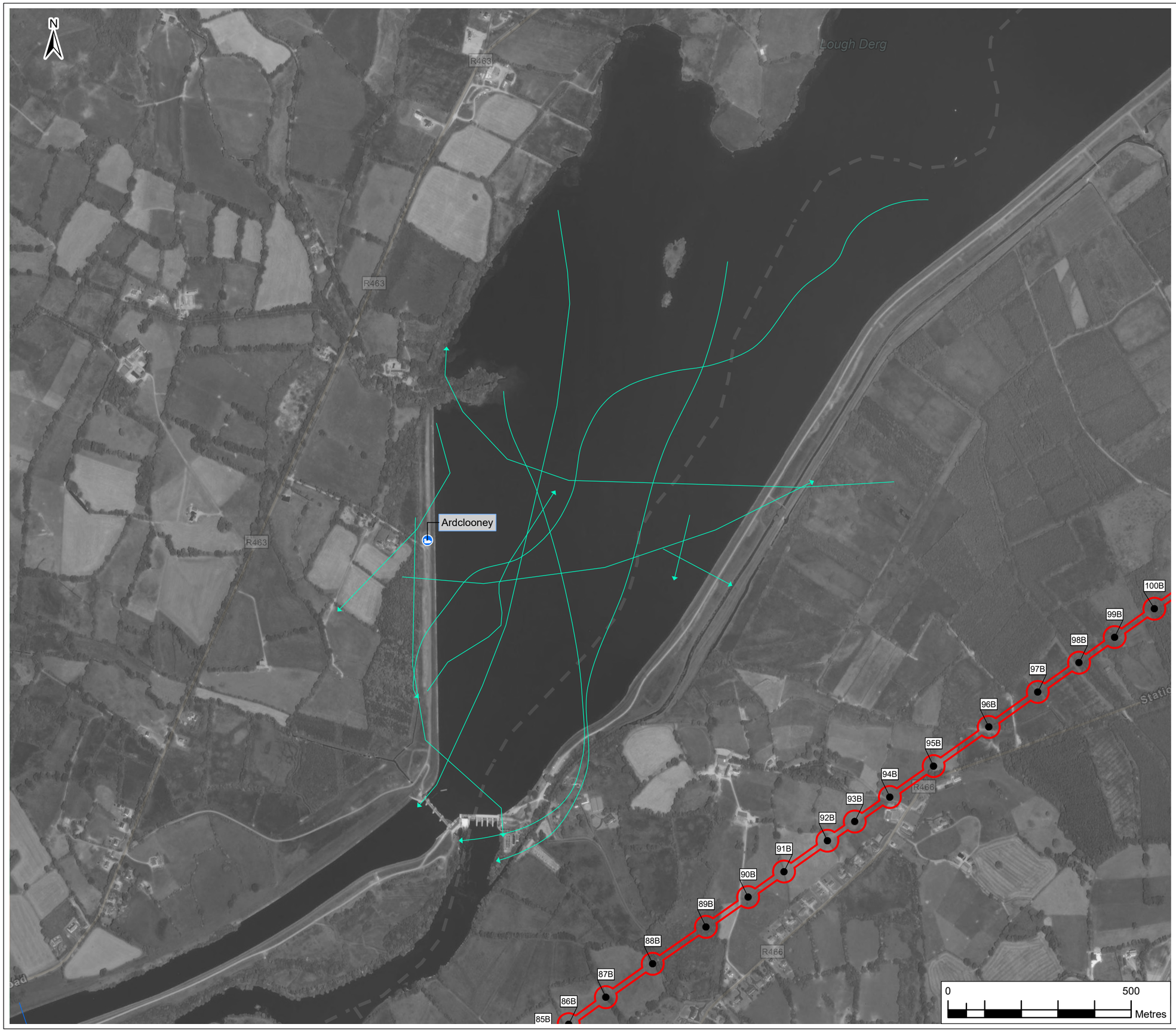
Drawing Title: Annex B Figure 29
38kV Winter Vantage Point Surveys -
Grey Heron 2019 to 2025
Sheet 2 of 3

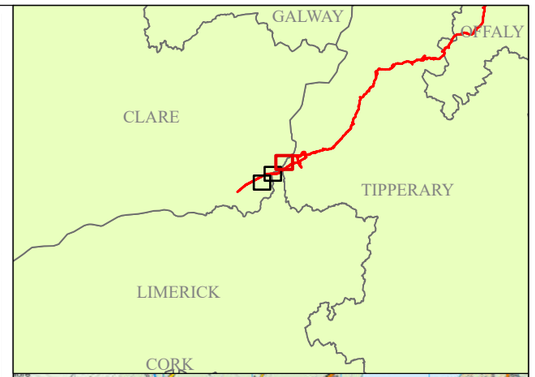
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

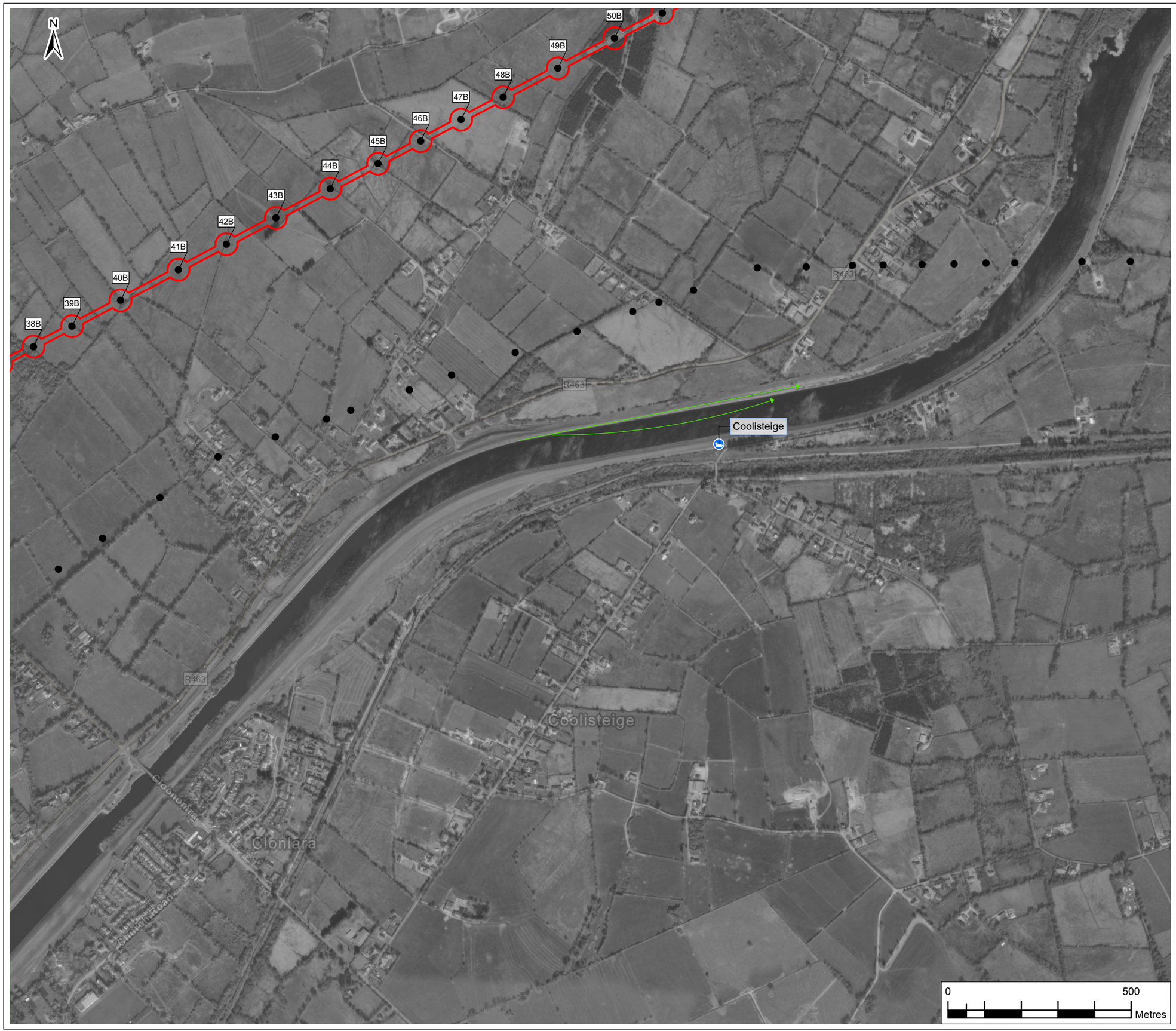
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38kV Winter Vantage Point Surveys -
Grey Heron 2019 to 2025
Sheet 3 of 3

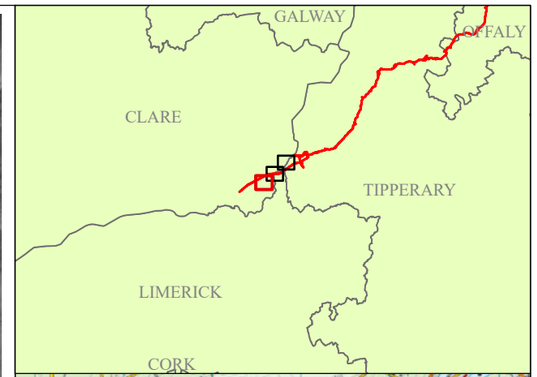
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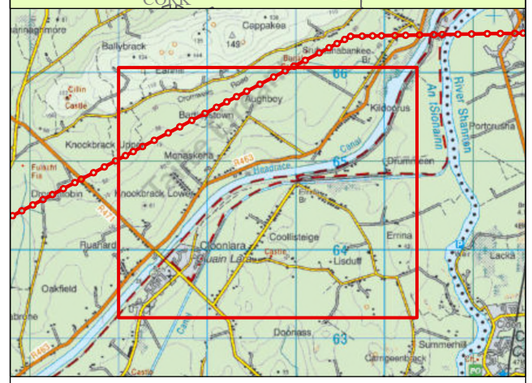
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

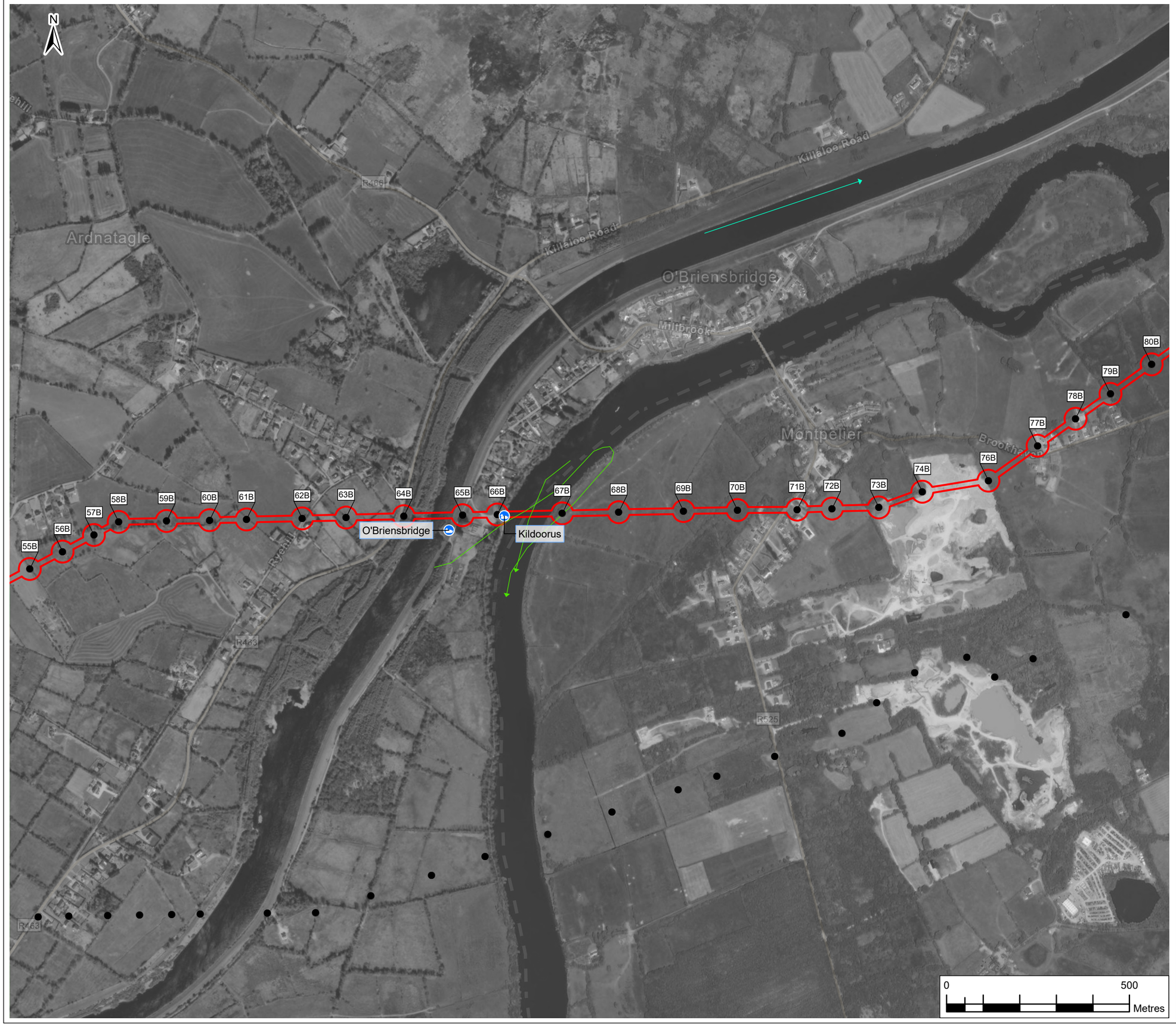
Drawing Title: Annex B Figure 31
38kV Winter Vantage Point Surveys -
Herring Gull 2019 to 2025
Sheet 1 of 3

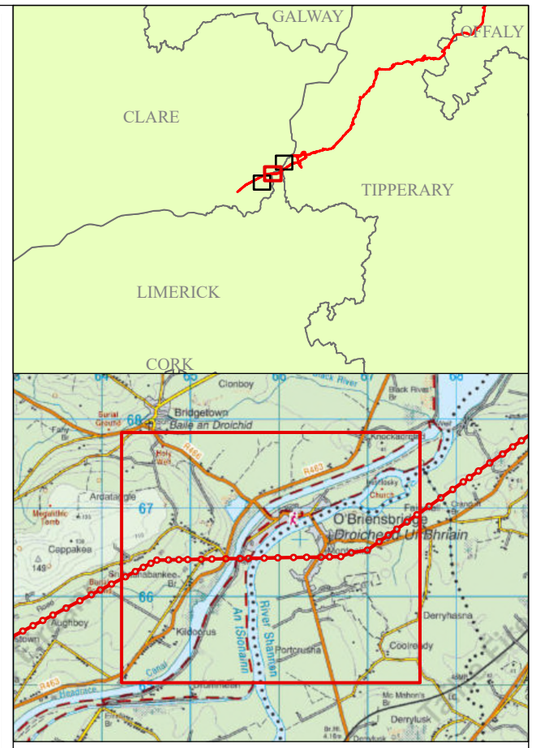
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

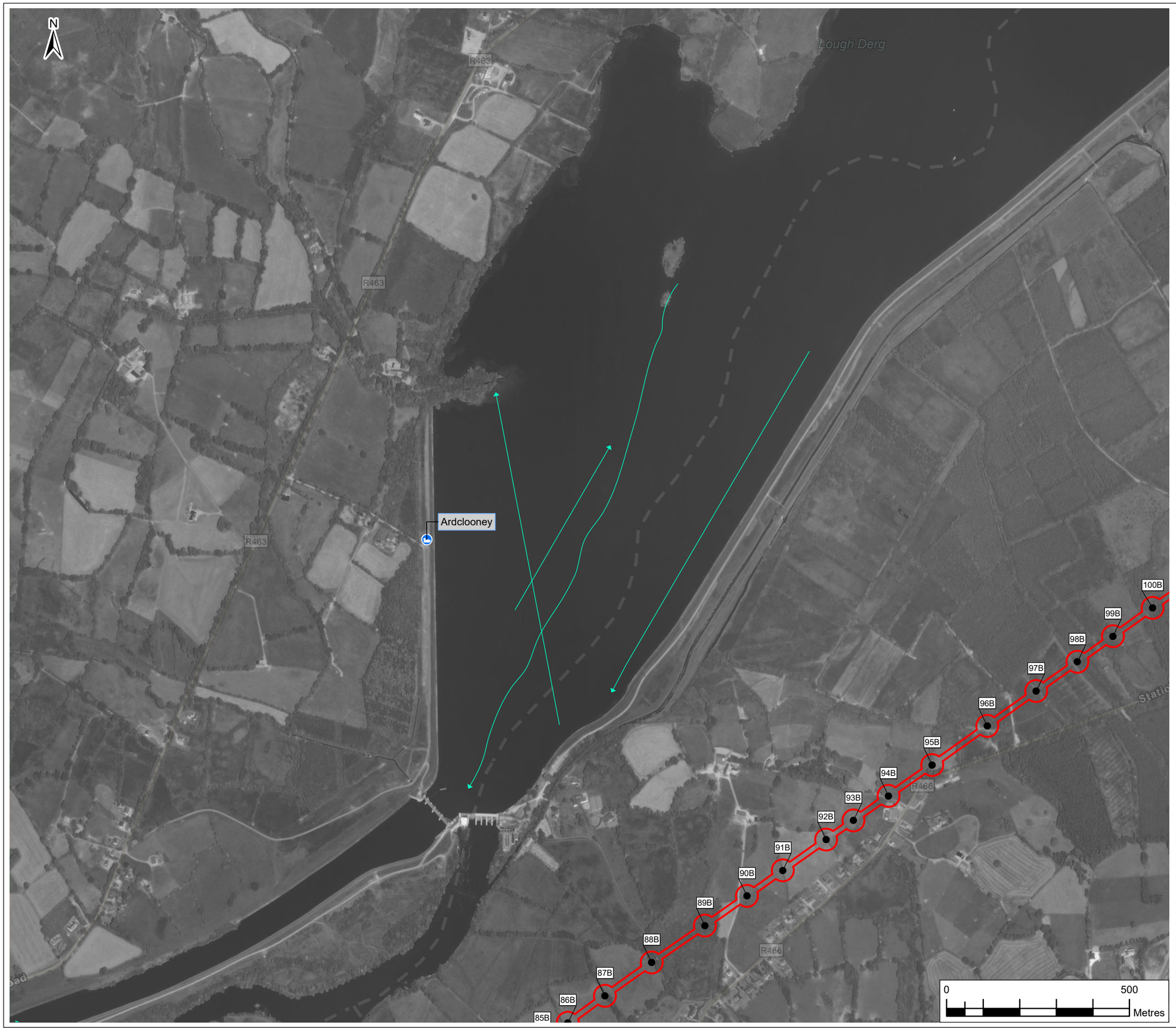
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38kV Winter Vantage Point Surveys -
Herring Gull 2019 to 2025
Sheet 2 of 3

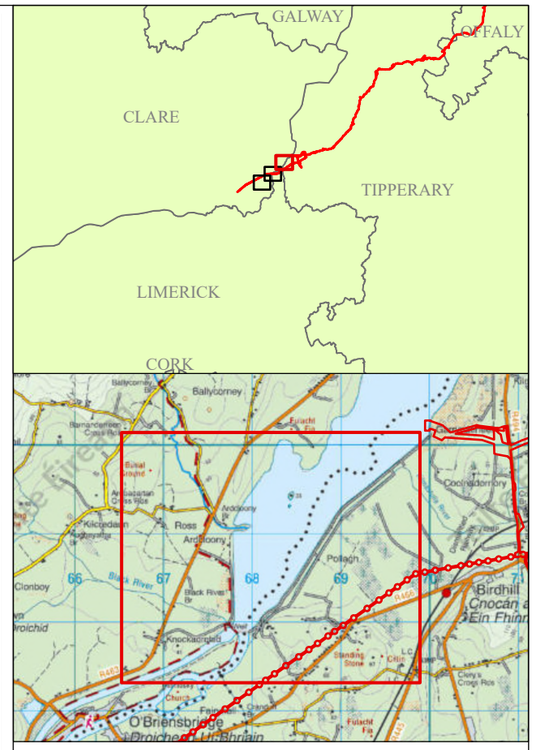
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

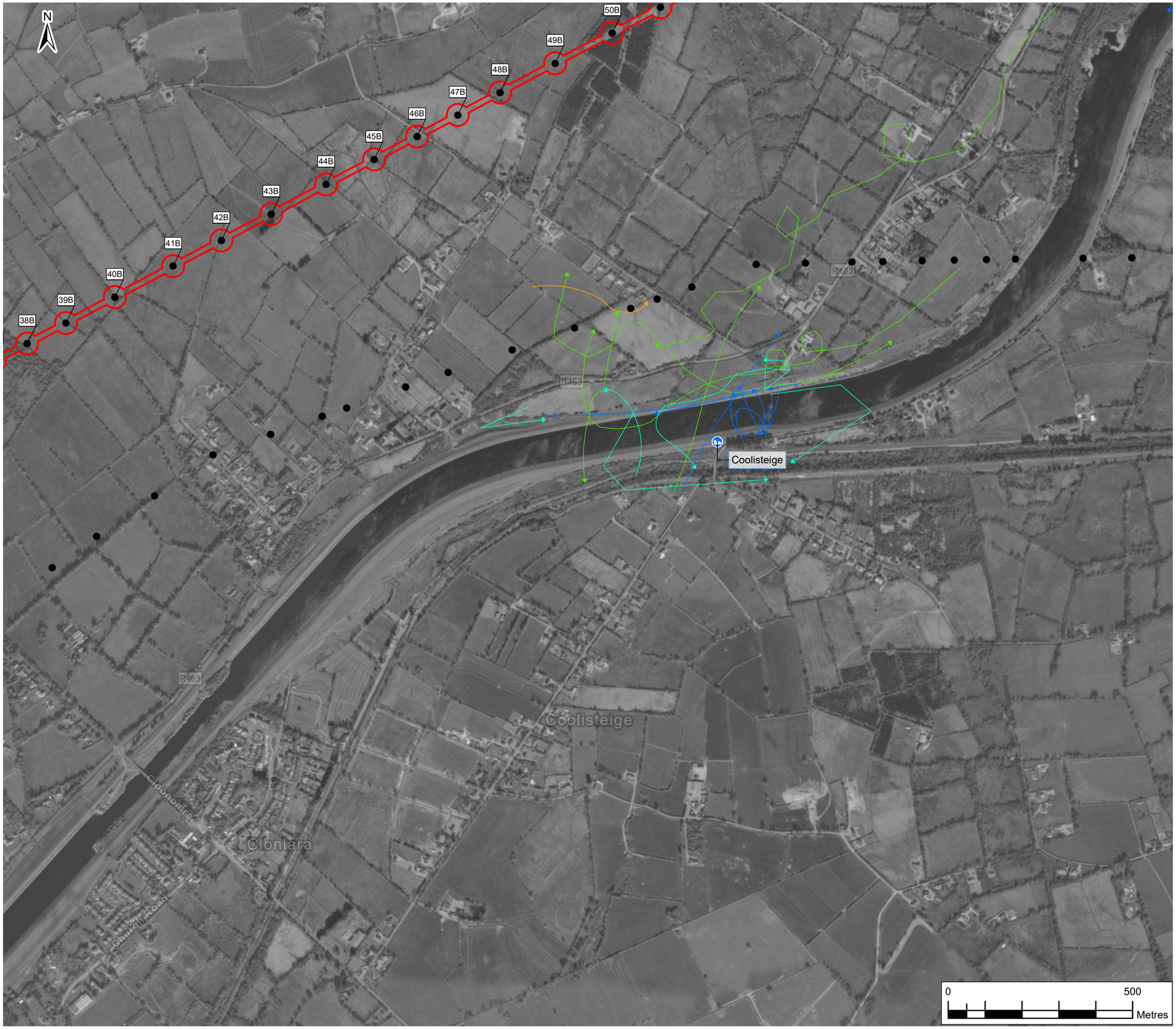
Annex B Figure 33
38kV Winter Vantage Point Surveys -
Herring Gull 2019 to 2025
Sheet 3 of 3

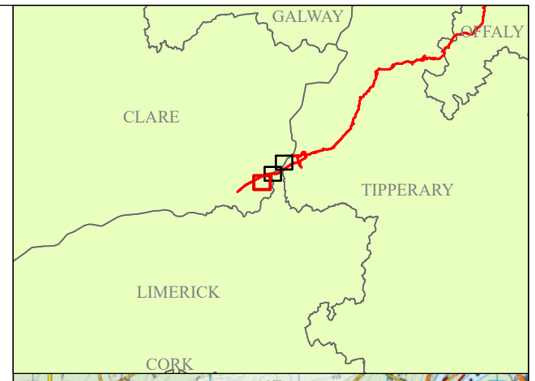
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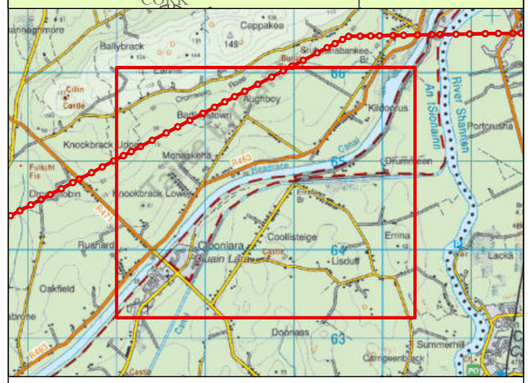
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

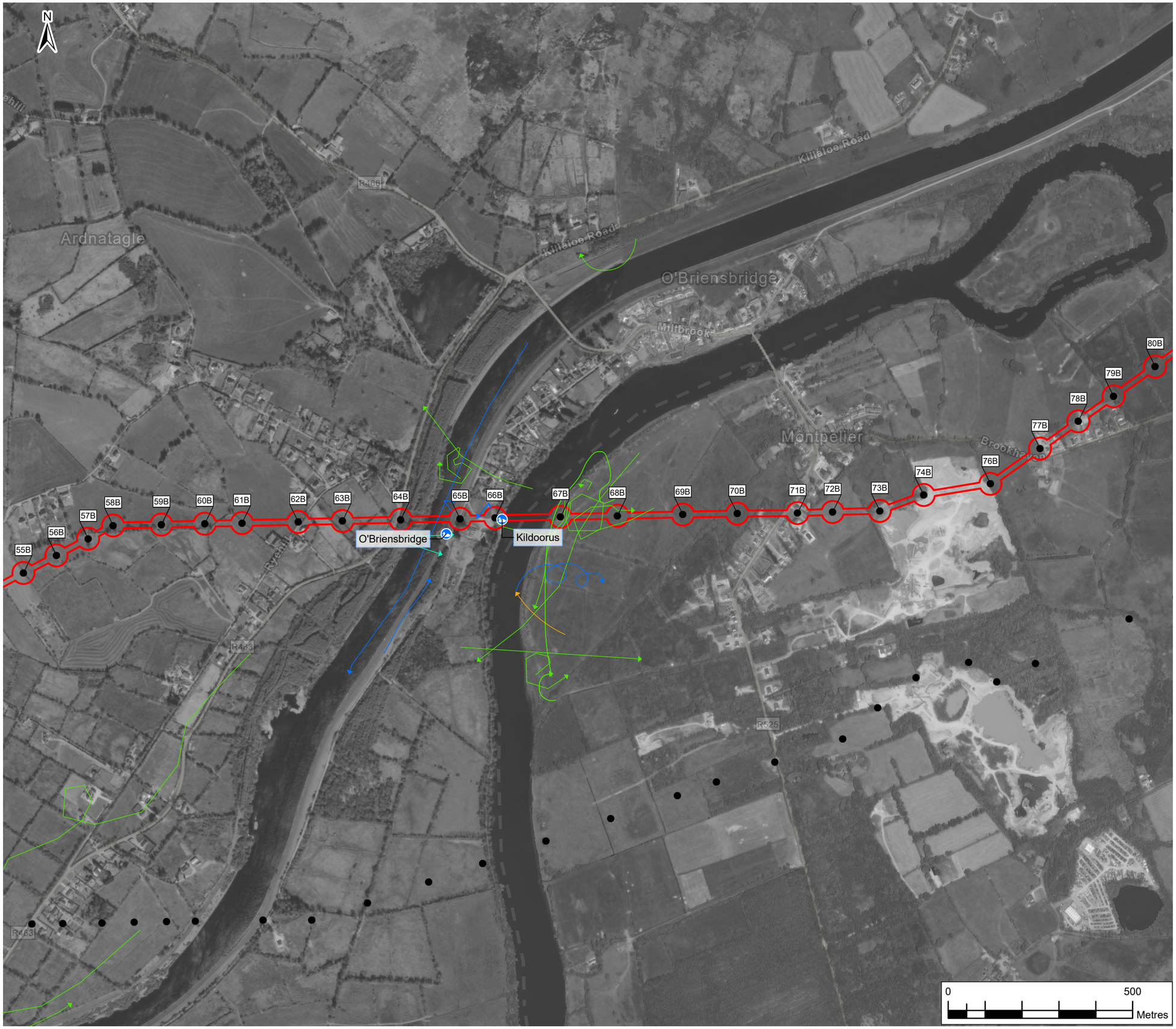
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38kV Winter Vantage Point Surveys -
Kestrel 2019 to 2025
Sheet 1 of 3

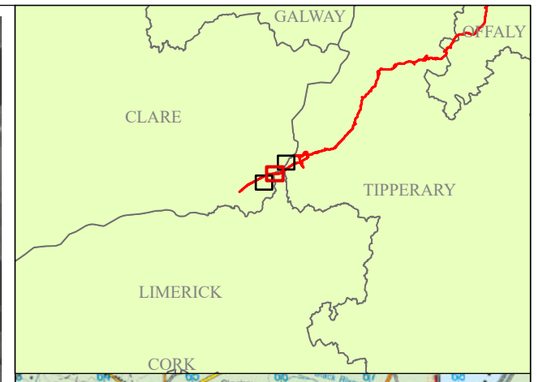
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 35
38kV Winter Vantage Point Surveys -
Kestrel 2019 to 2025
Sheet 2 of 3

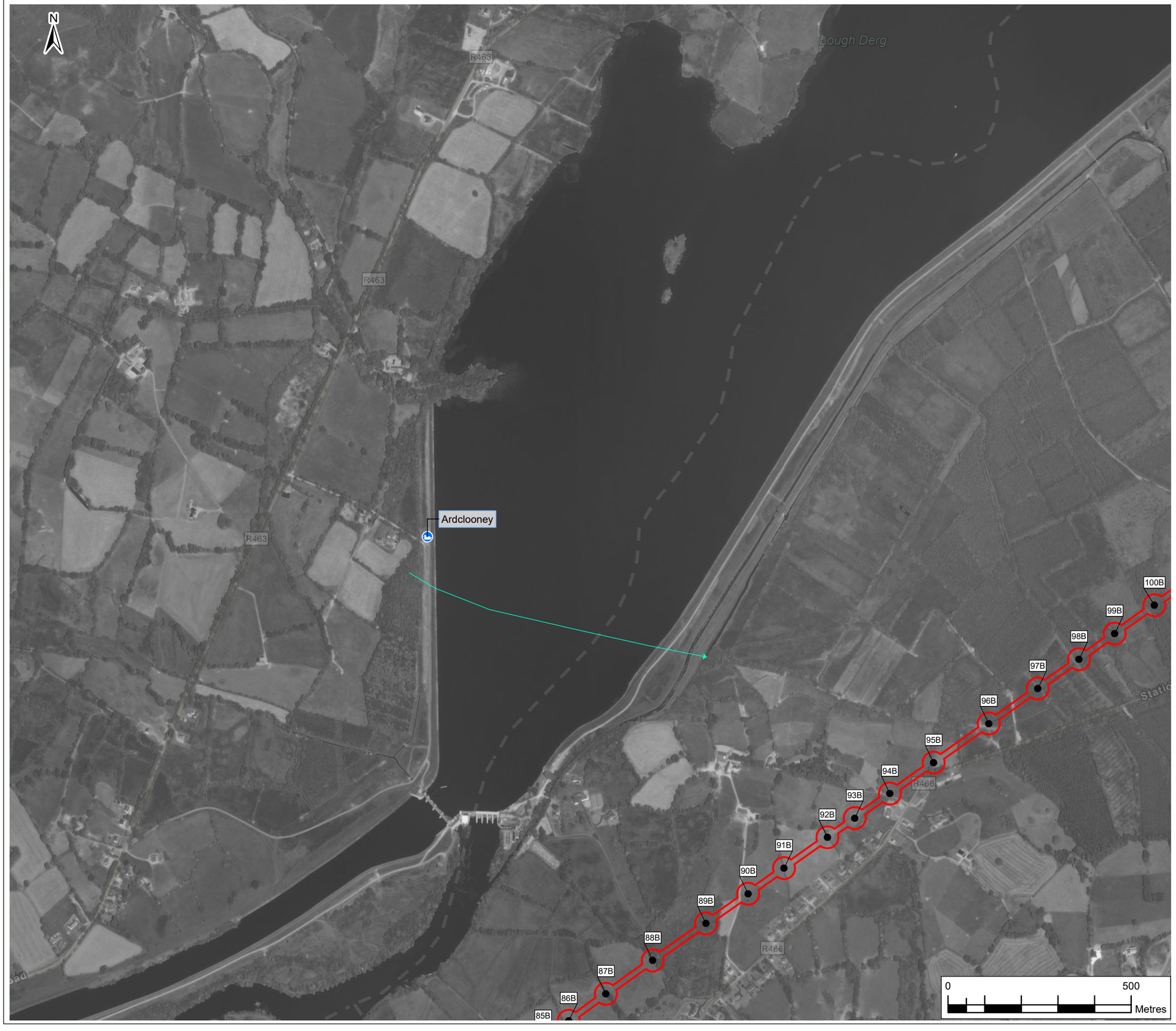
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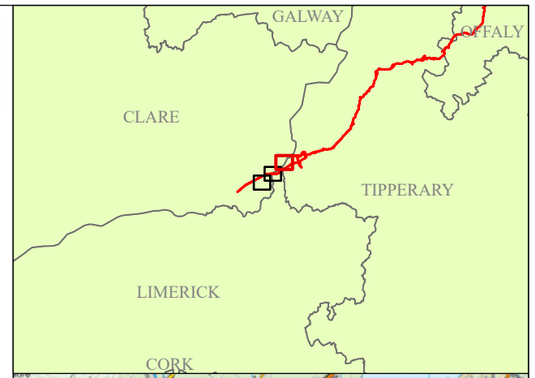
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

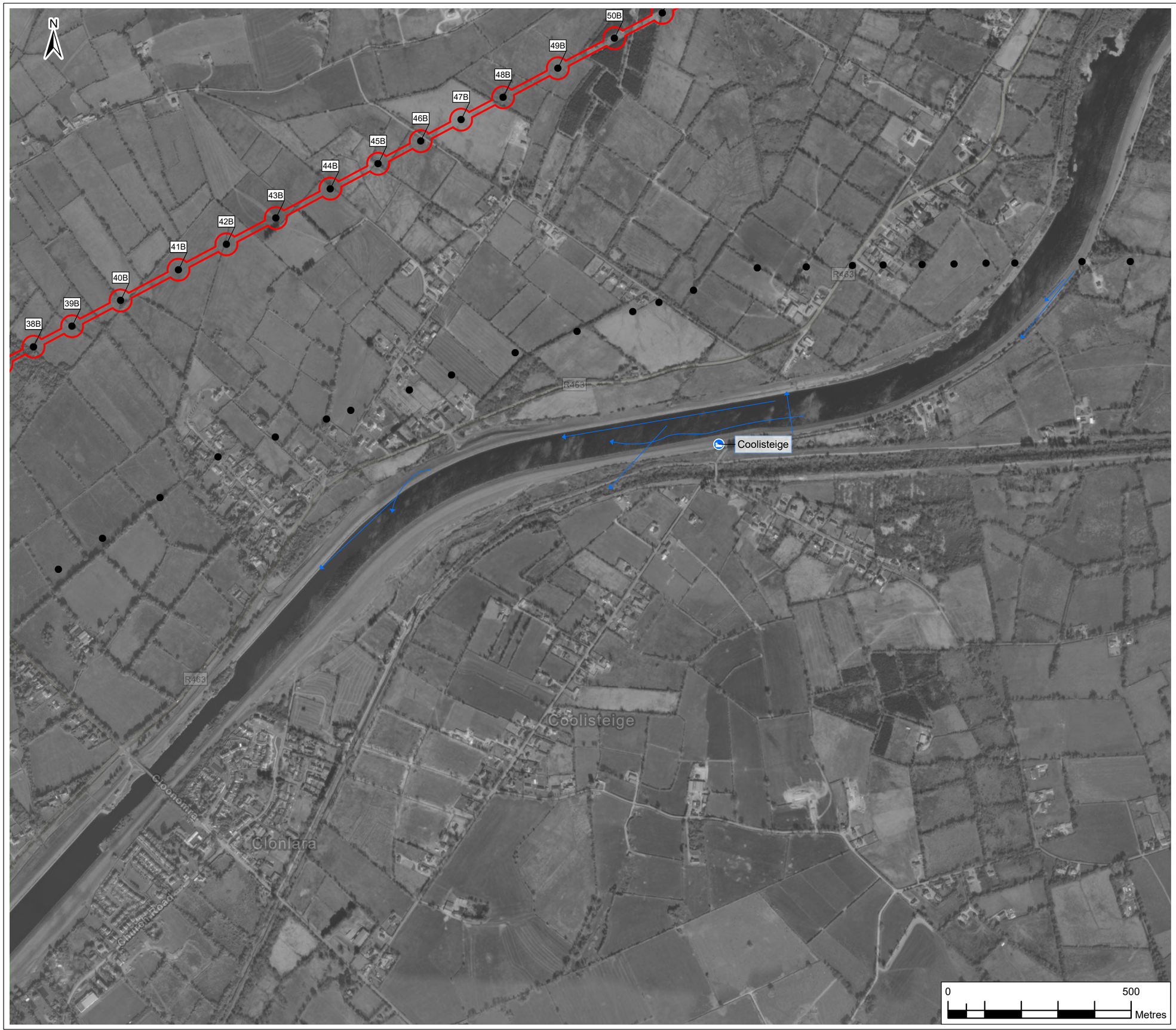
Annex B Figure 36
38kV Winter Vantage Point Surveys -
Kestrel 2019 to 2025
Sheet 3 of 3

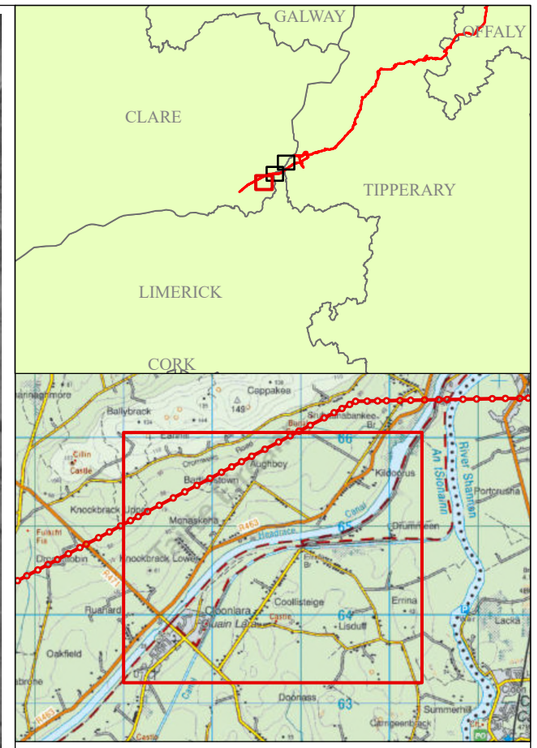
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

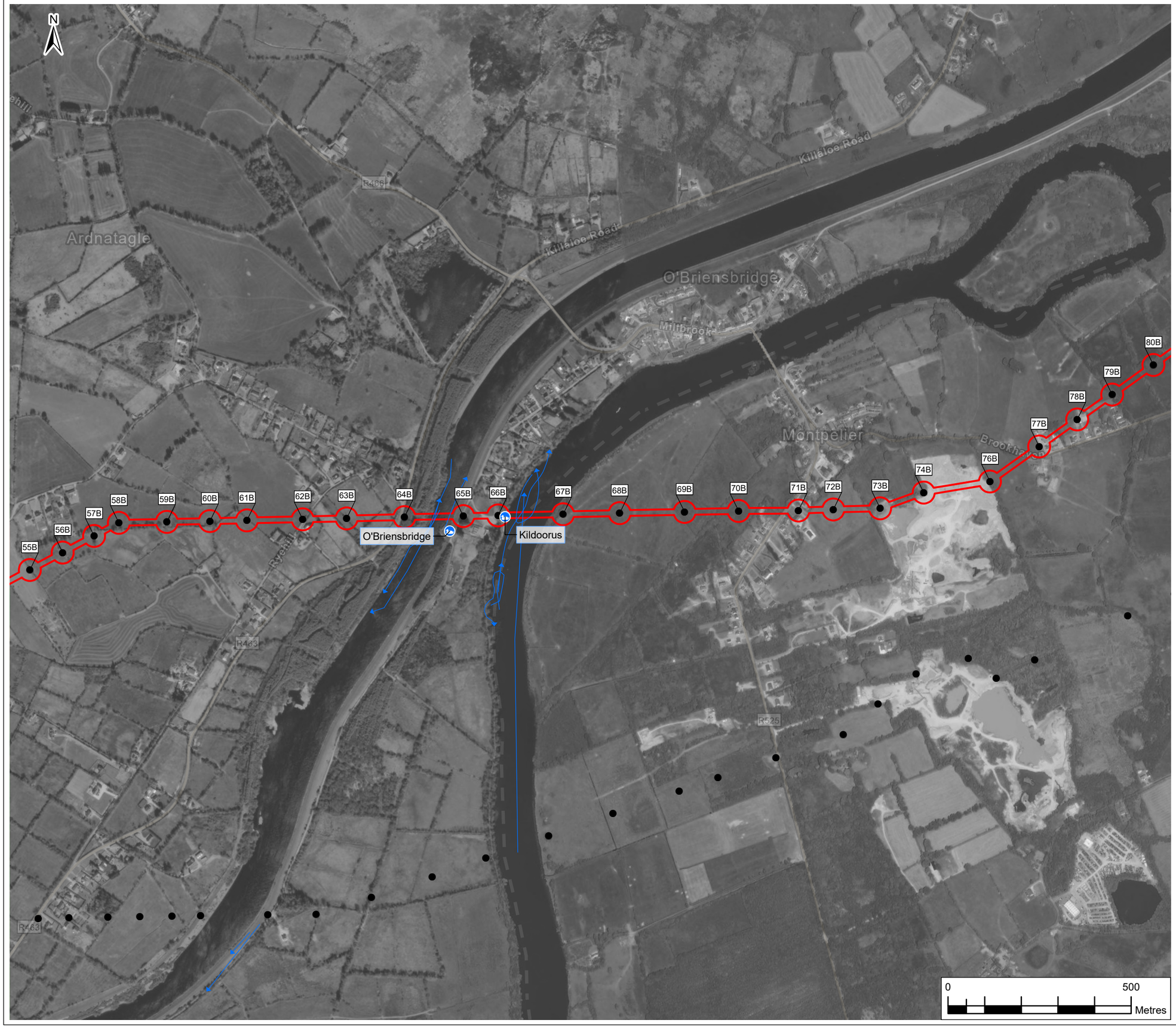
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38kV Winter Vantage Point Surveys -
Kingfisher 2019 to 2025
Sheet 1 of 3

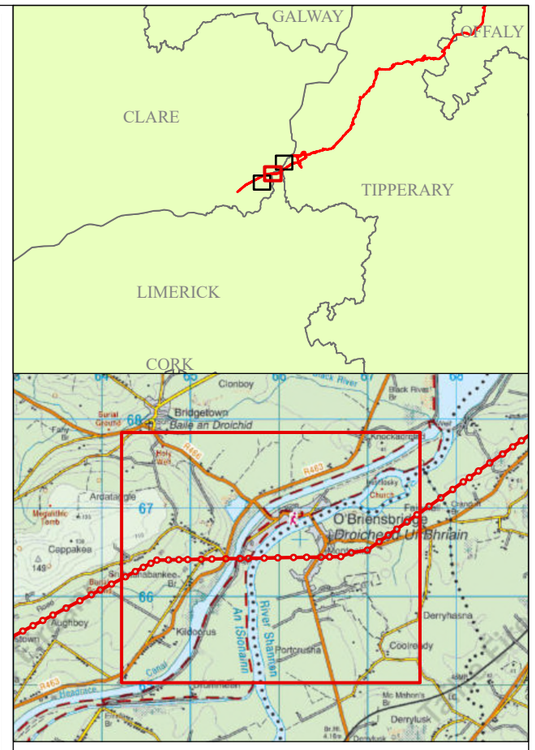
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

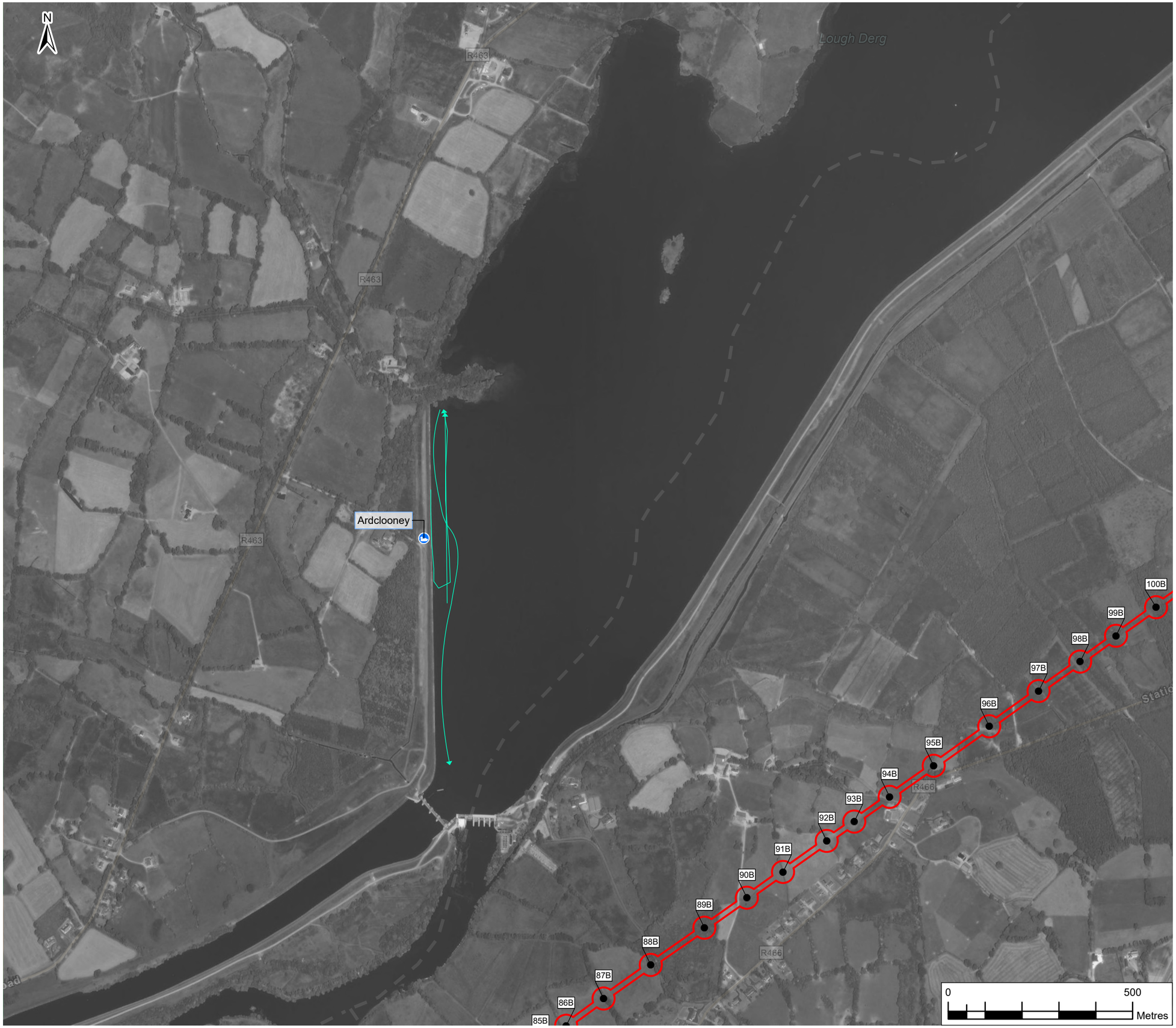
Drawing Title: Annex B Figure 38
38kV Winter Vantage Point Surveys -
Kingfisher 2019 to 2025
Sheet 2 of 3

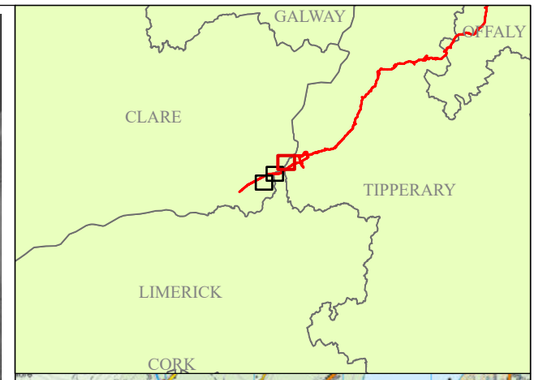
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 39
38kV Winter Vantage Point Surveys -
Kingfisher 2019 to 2025
Sheet 3 of 3

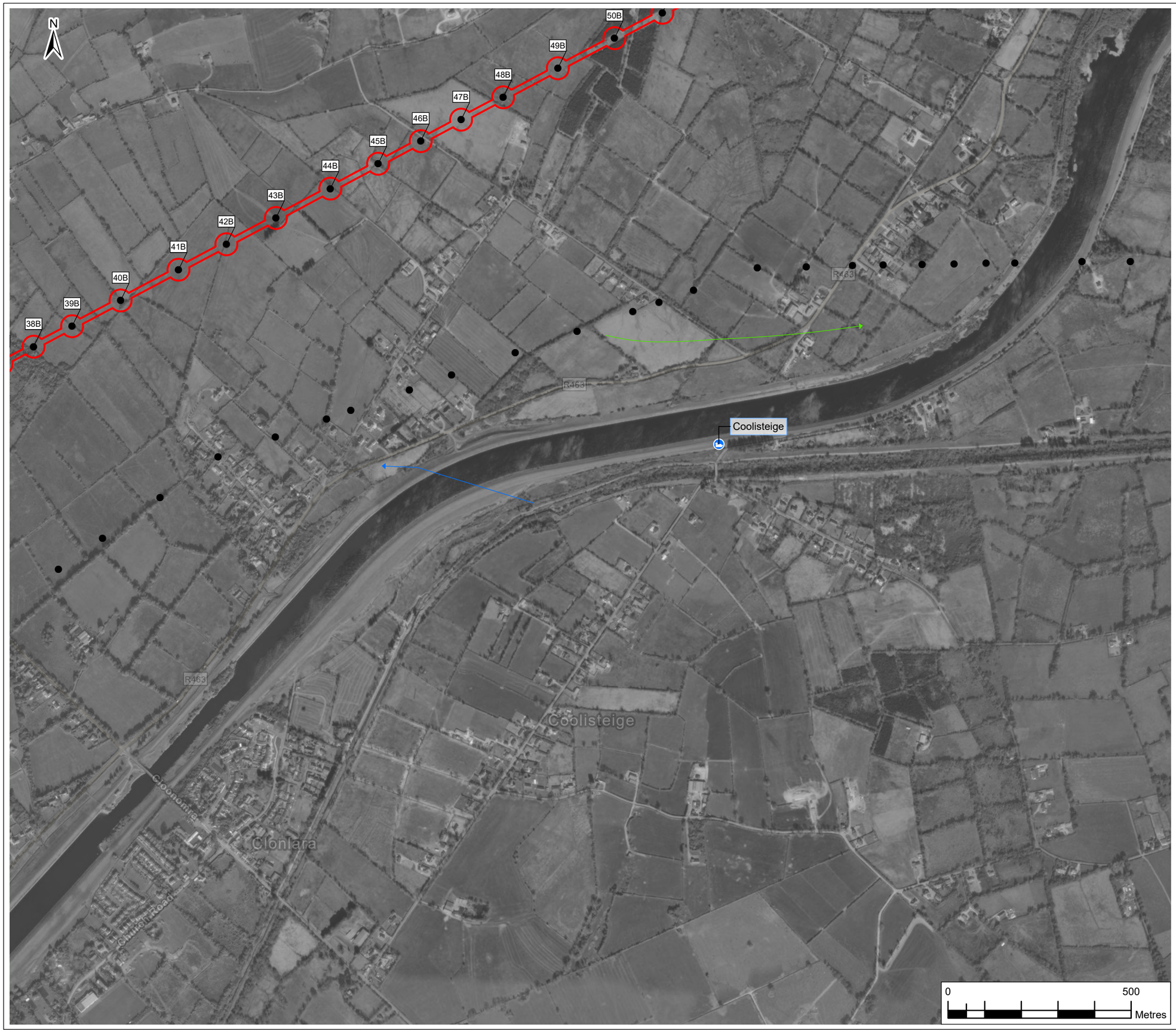
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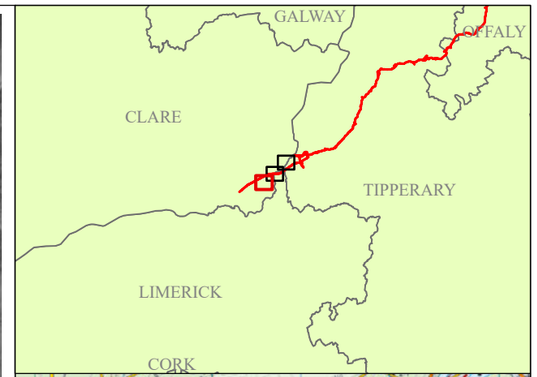
Final - Planning Application

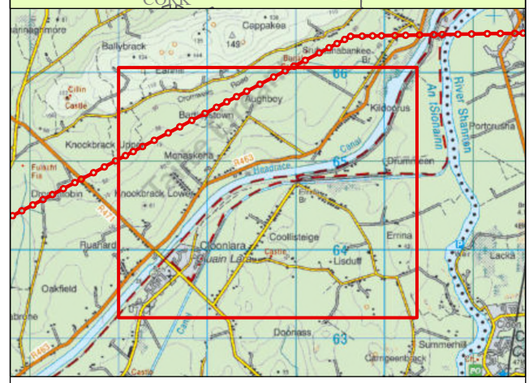
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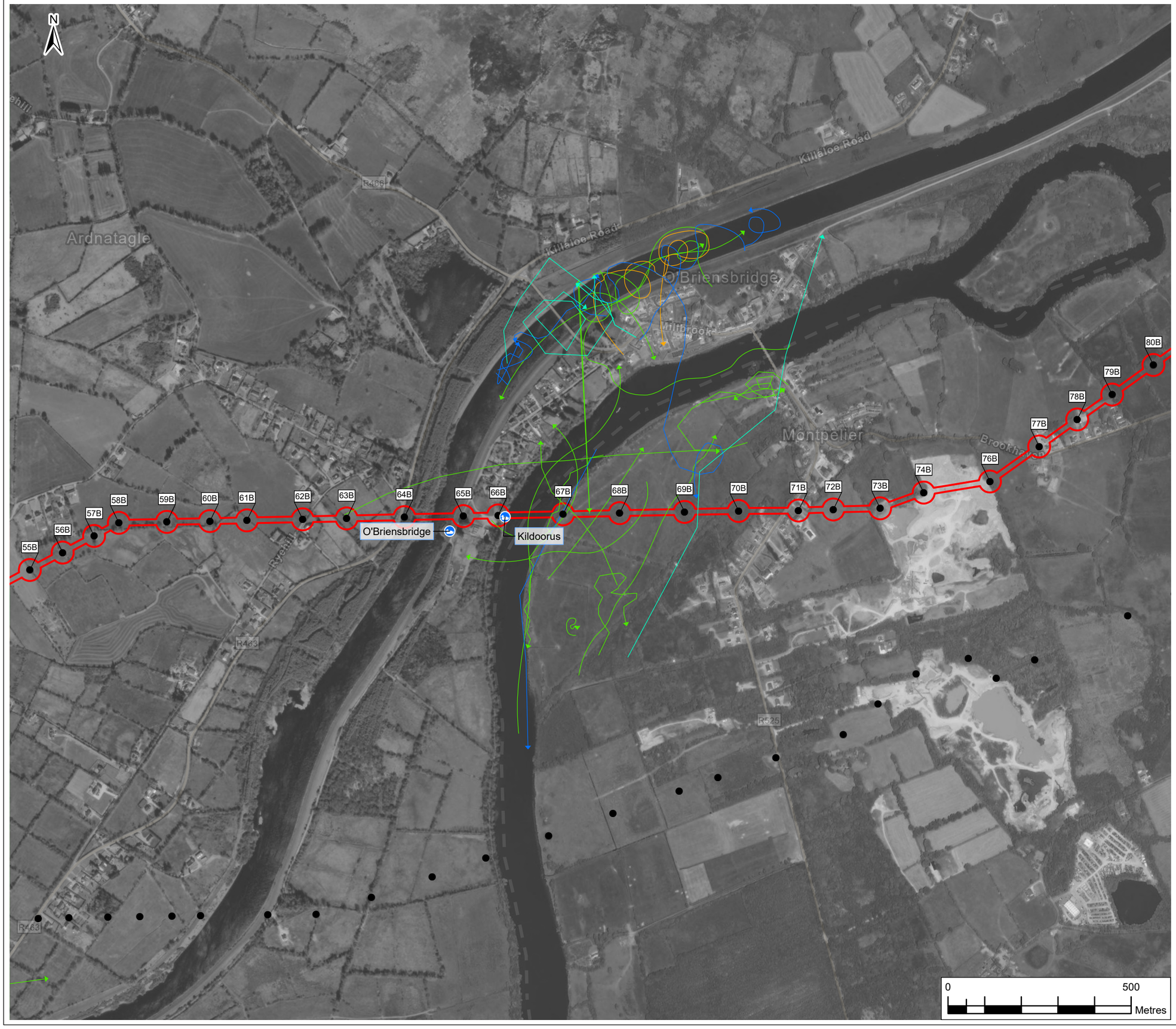
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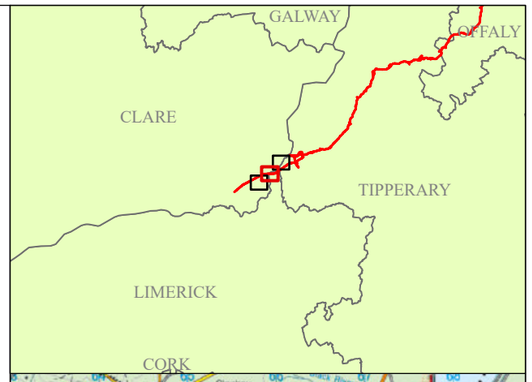
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Ballybrack
Knockbrack
Menaskeha
Knockbrack Lower
Coolisteige
Clooniara
Oakfield
Doonass
Lisduff
Ballyhoy
Kildorrus
Portrushia
Ballyhoy
Ballyhoy
Ballyhoy





Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

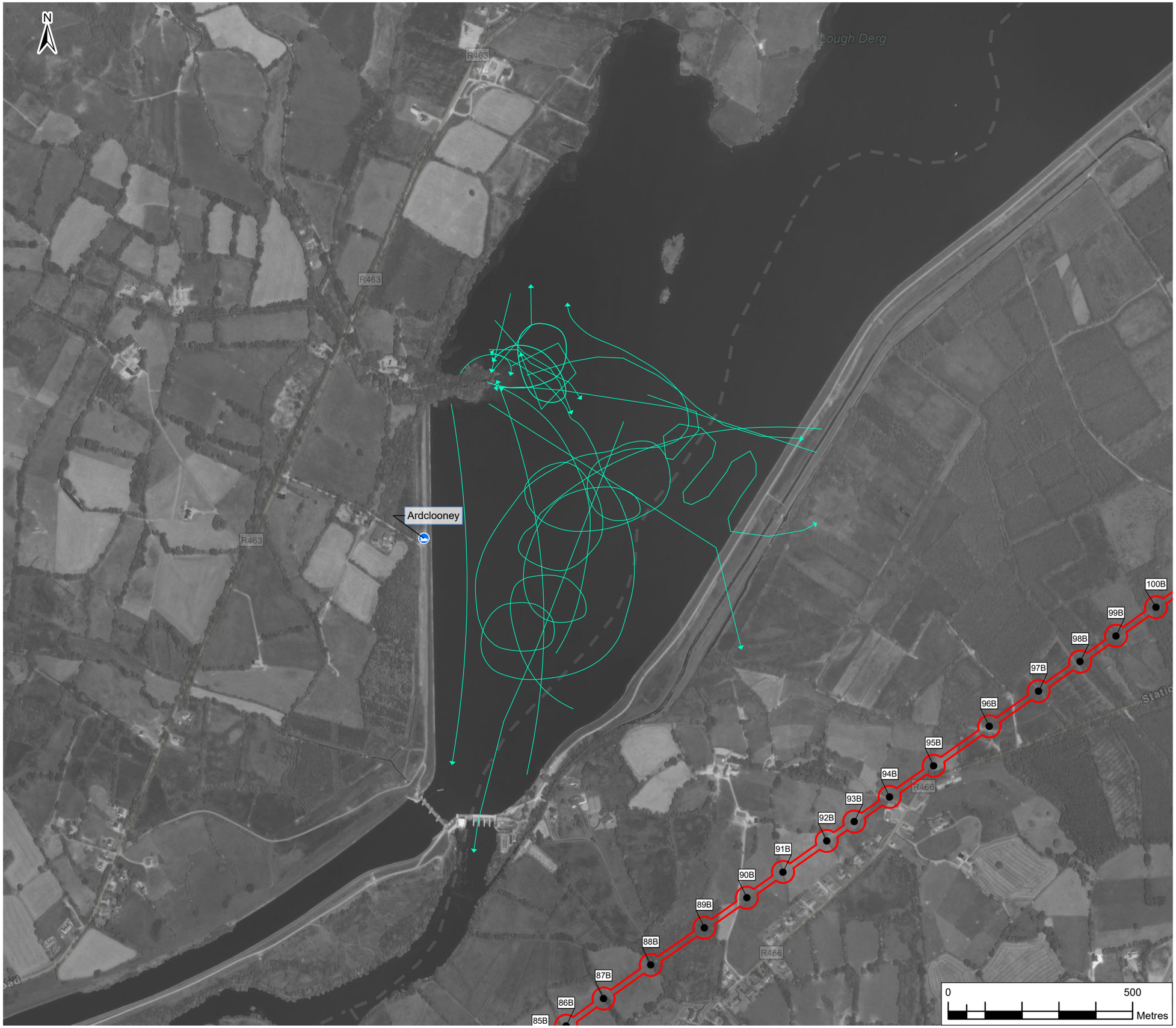
Drawing Title: Annex B Figure 41
38kV Winter Vantage Point Surveys -
Lapwing 2019 to 2025
Sheet 2 of 3

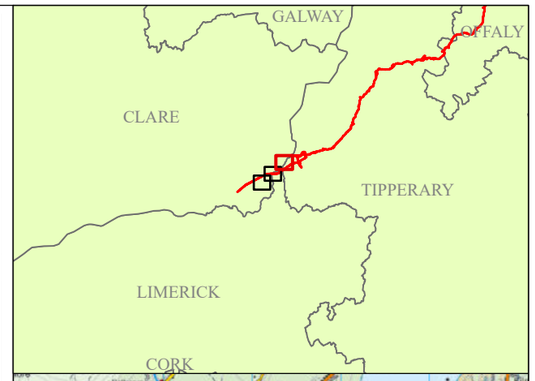
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 42
38kV Winter Vantage Point Surveys -
Lapwing 2019 to 2025
Sheet 3 of 3

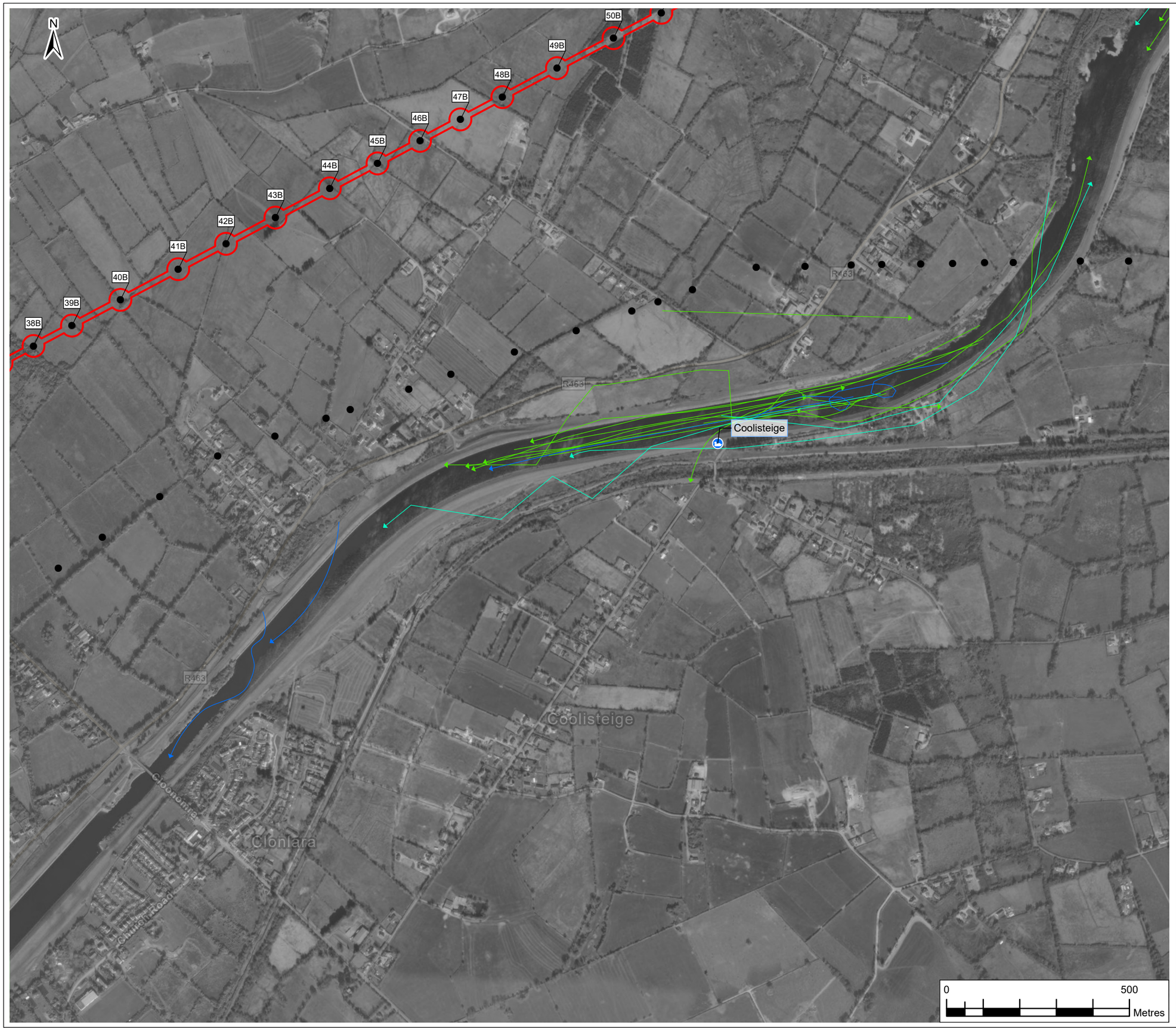
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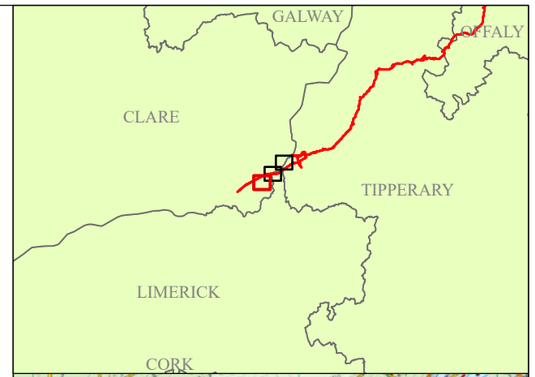
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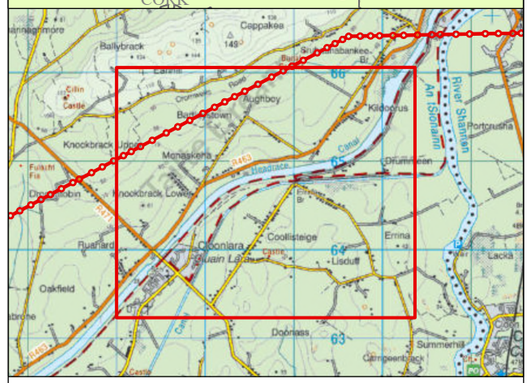
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

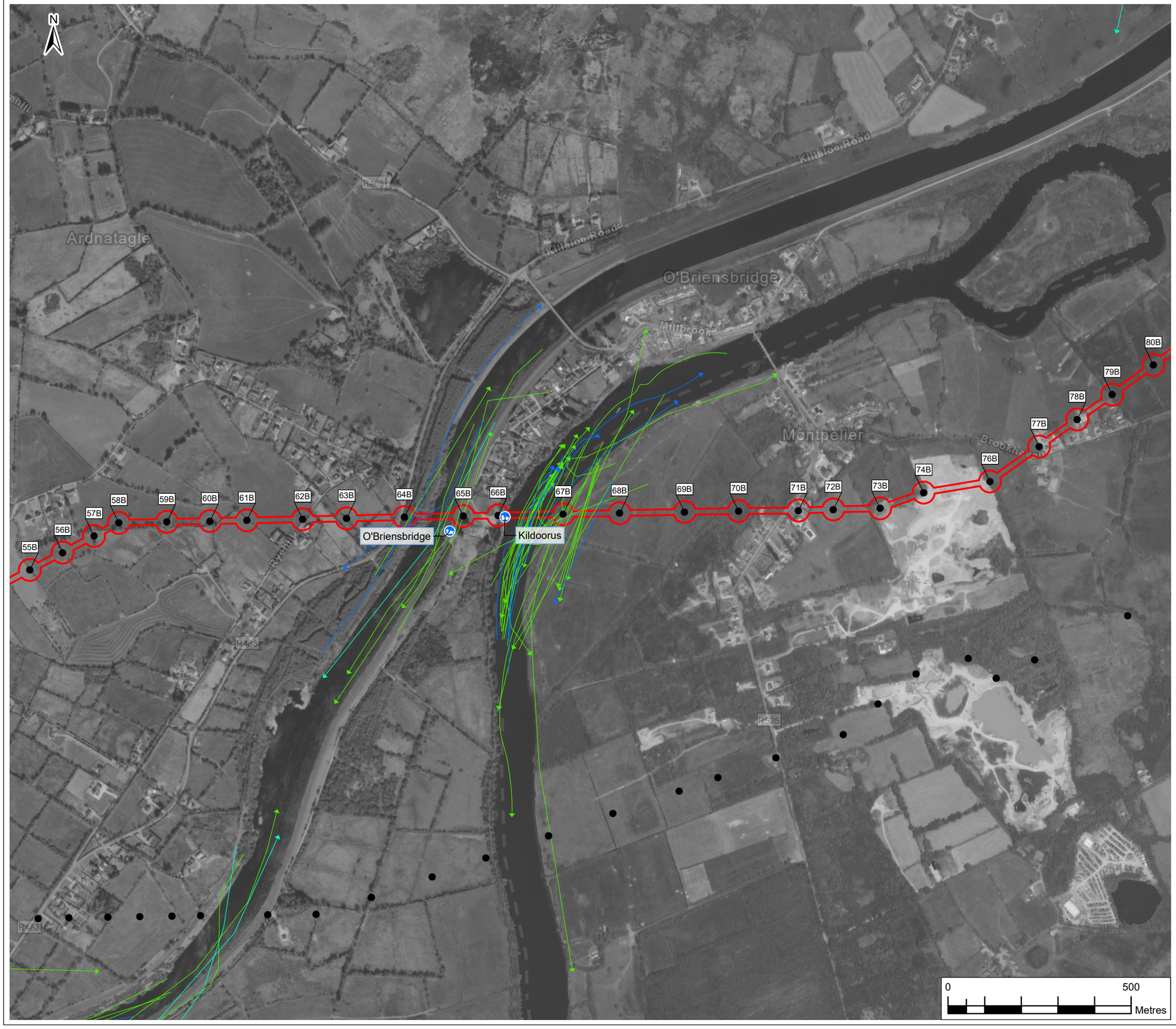
Drawing Title: Annex B Figure 43
38kV Winter Vantage Point Surveys -
Lesser Black-backed Gull 2019 to 2025
Sheet 1 of 3

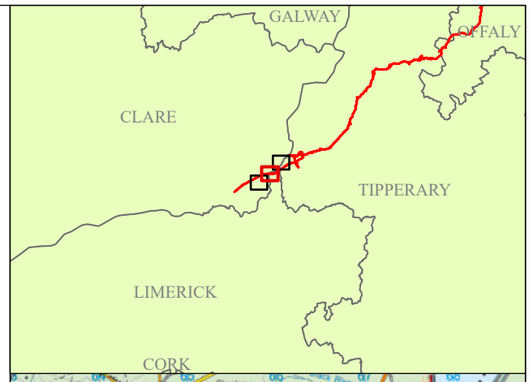
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

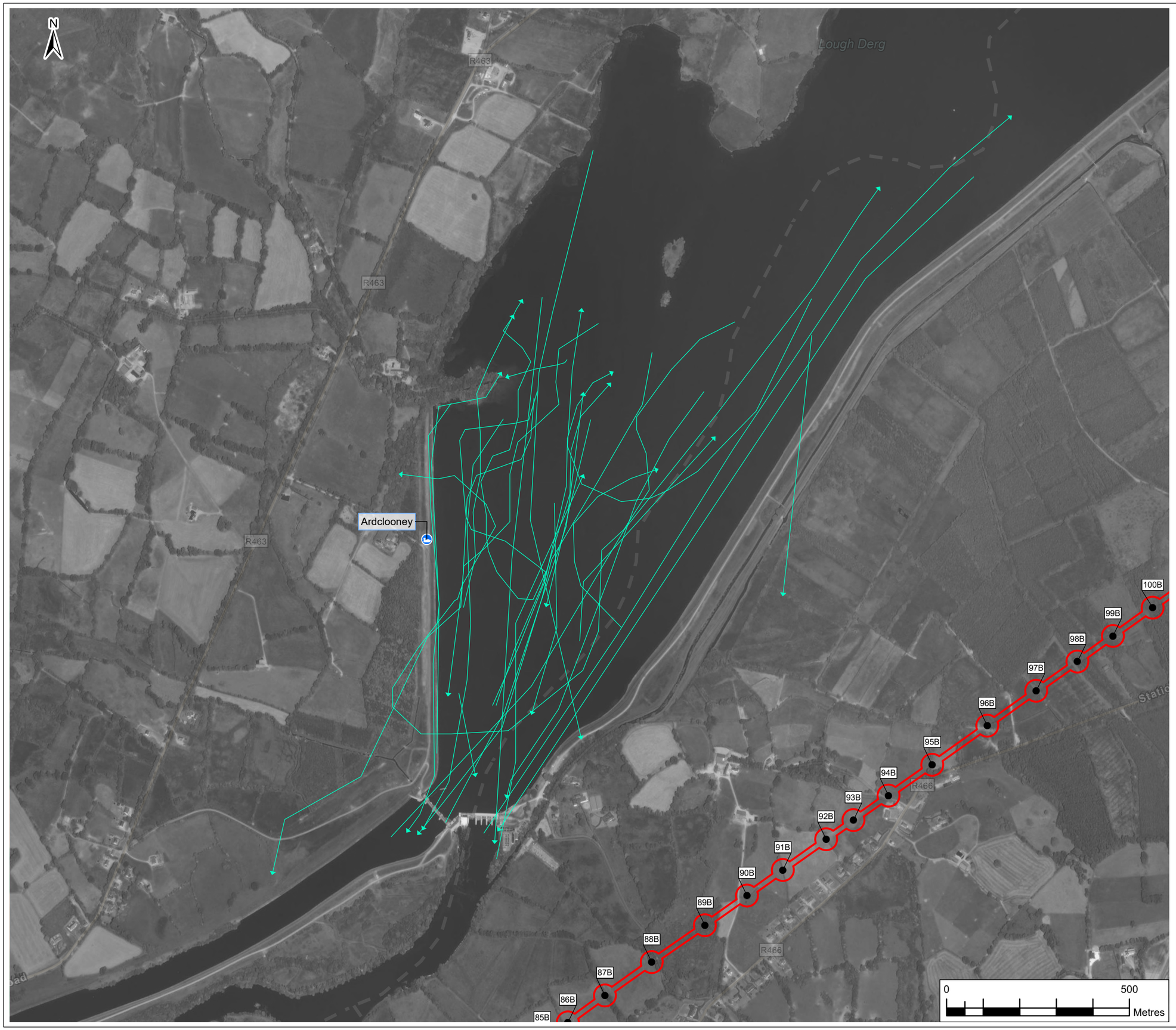
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38kV Winter Vantage Point Surveys -
Lesser Black-backed Gull 2019 to 2025
Sheet 2 of 3

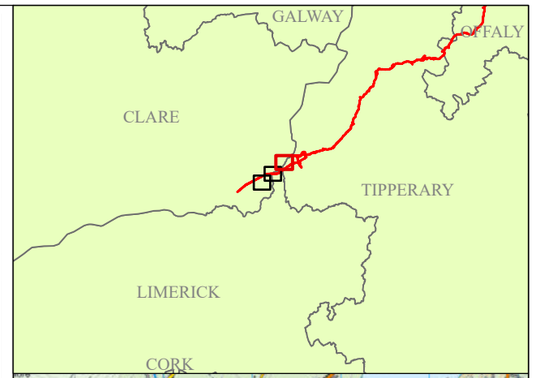
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

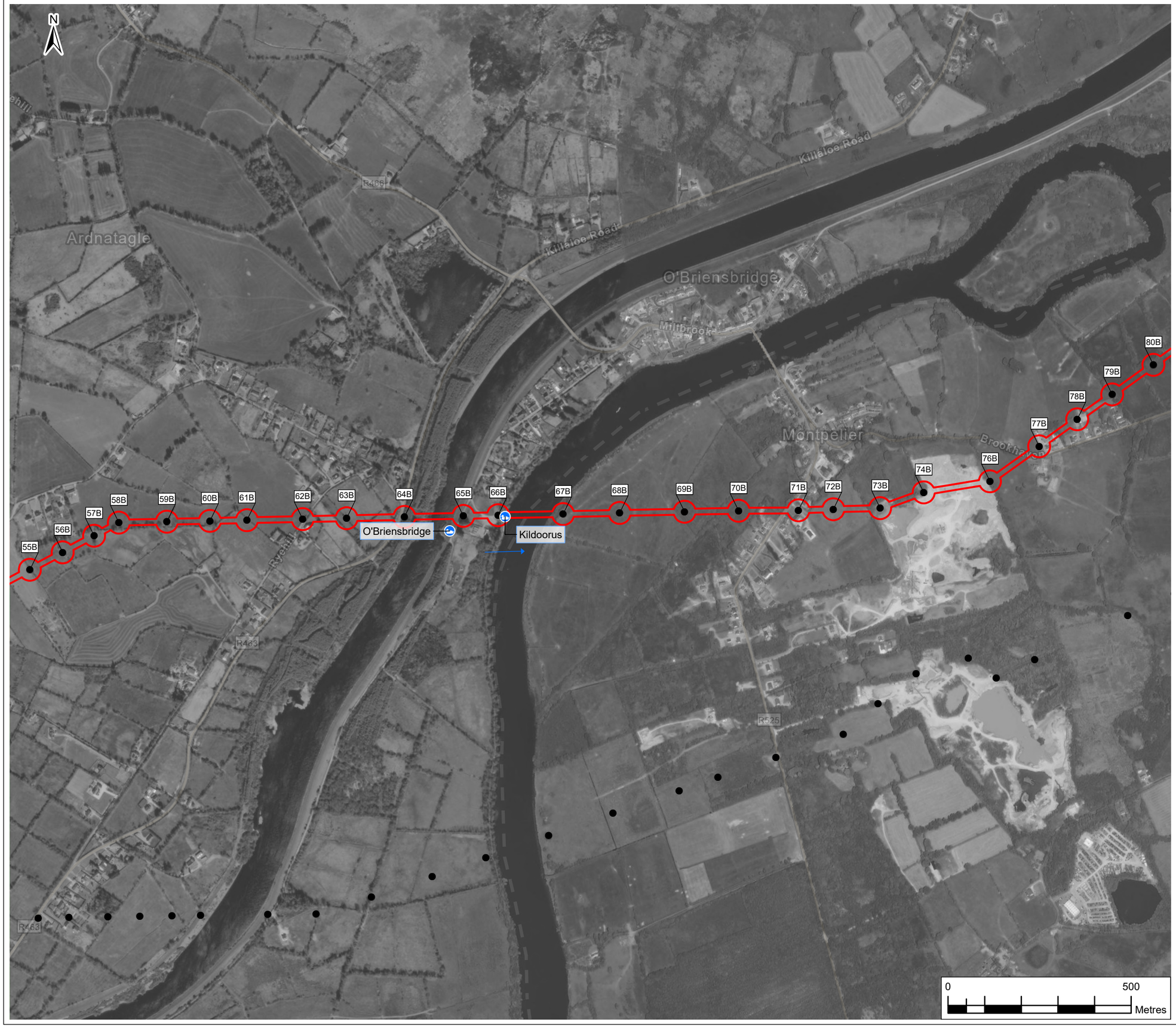
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38kV Winter Vantage Point Surveys -
Lesser Black-backed Gull 2019 to 2025
Sheet 3 of 3

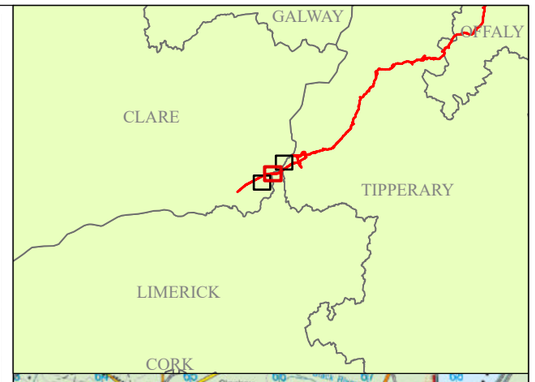
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

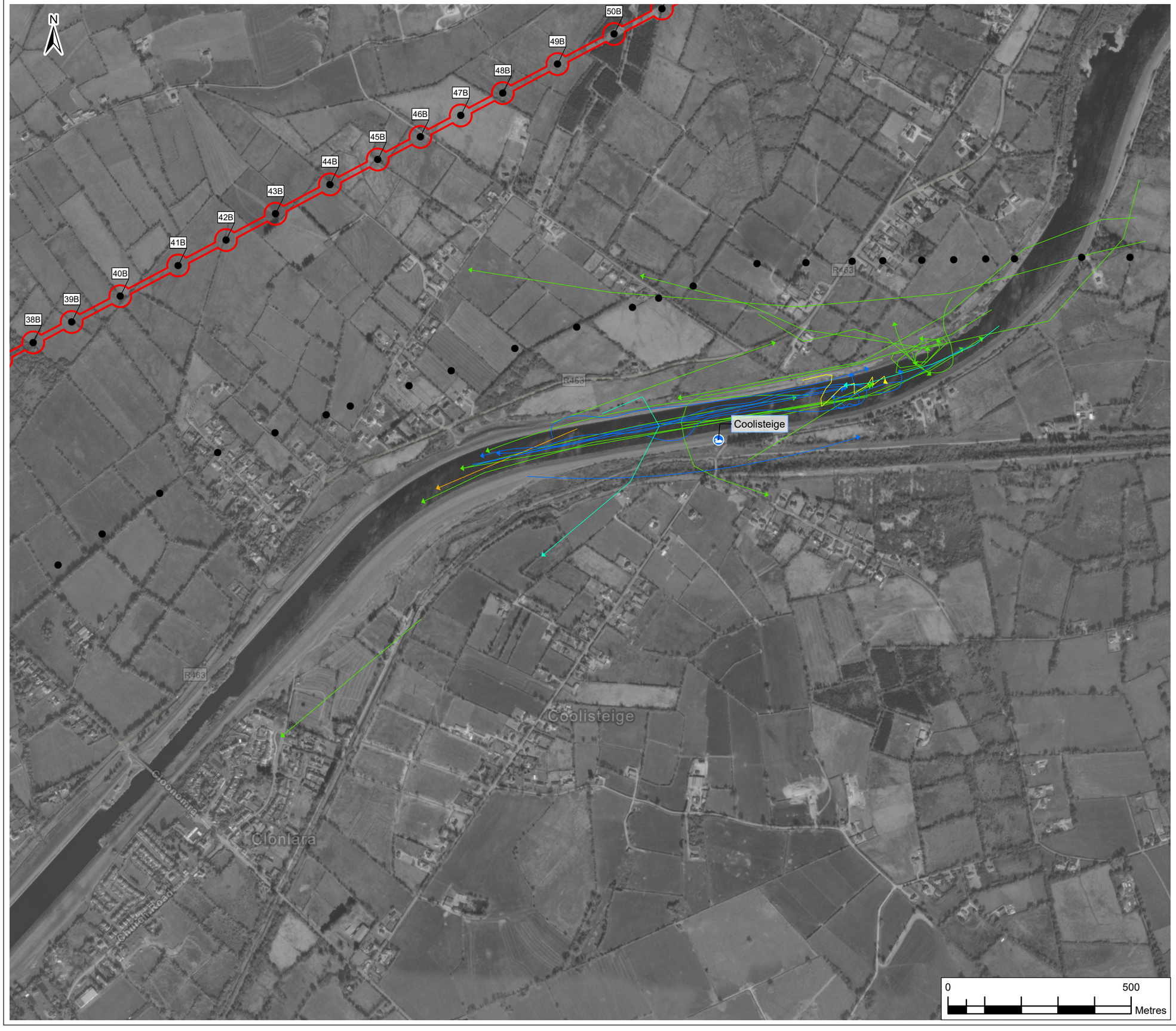
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38kV Winter Vantage Point Surveys -
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Sheet 1 of 1

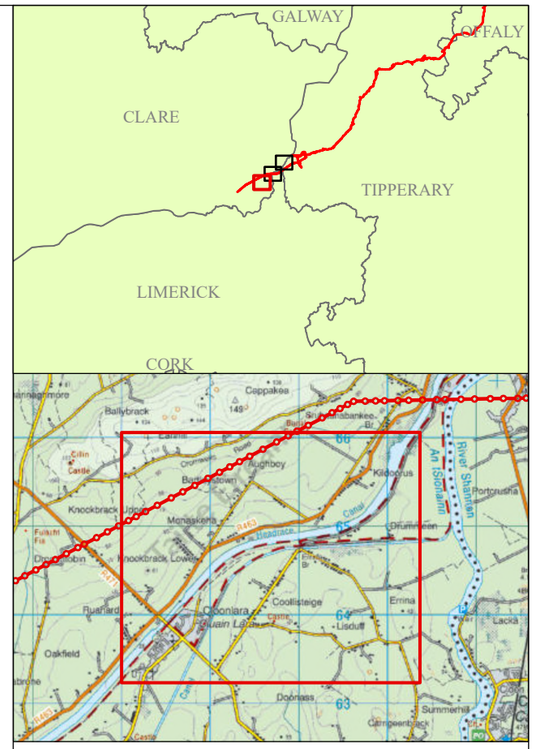
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- Both
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

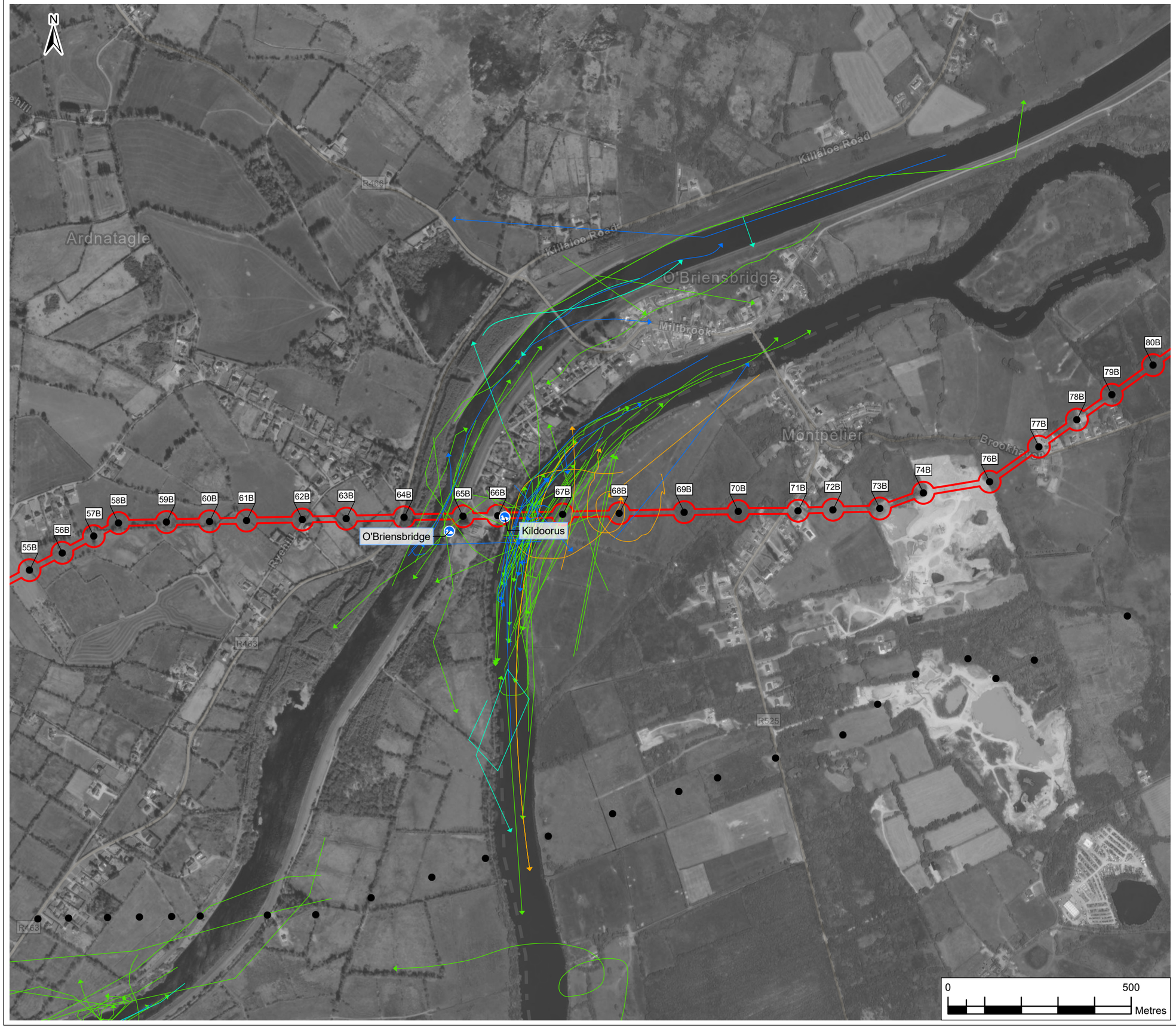
Annex B Figure 47
38kV Winter Vantage Point Surveys -
Mallard 2019 to 2025
Sheet 1 of 3

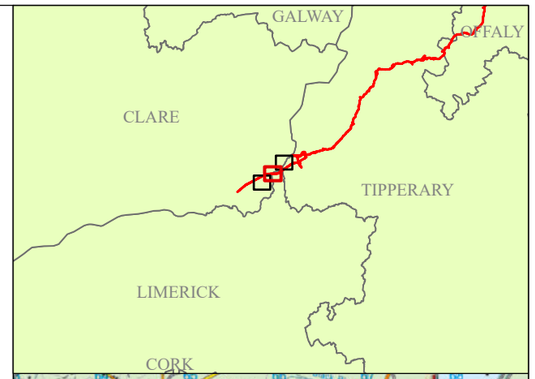
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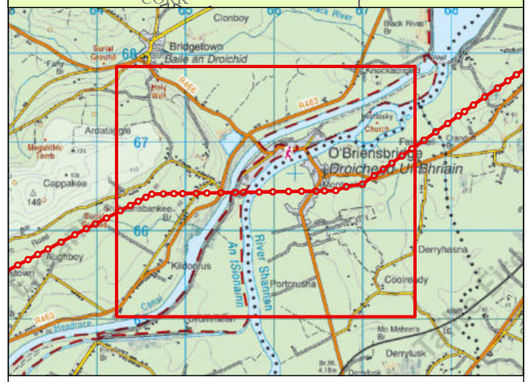
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

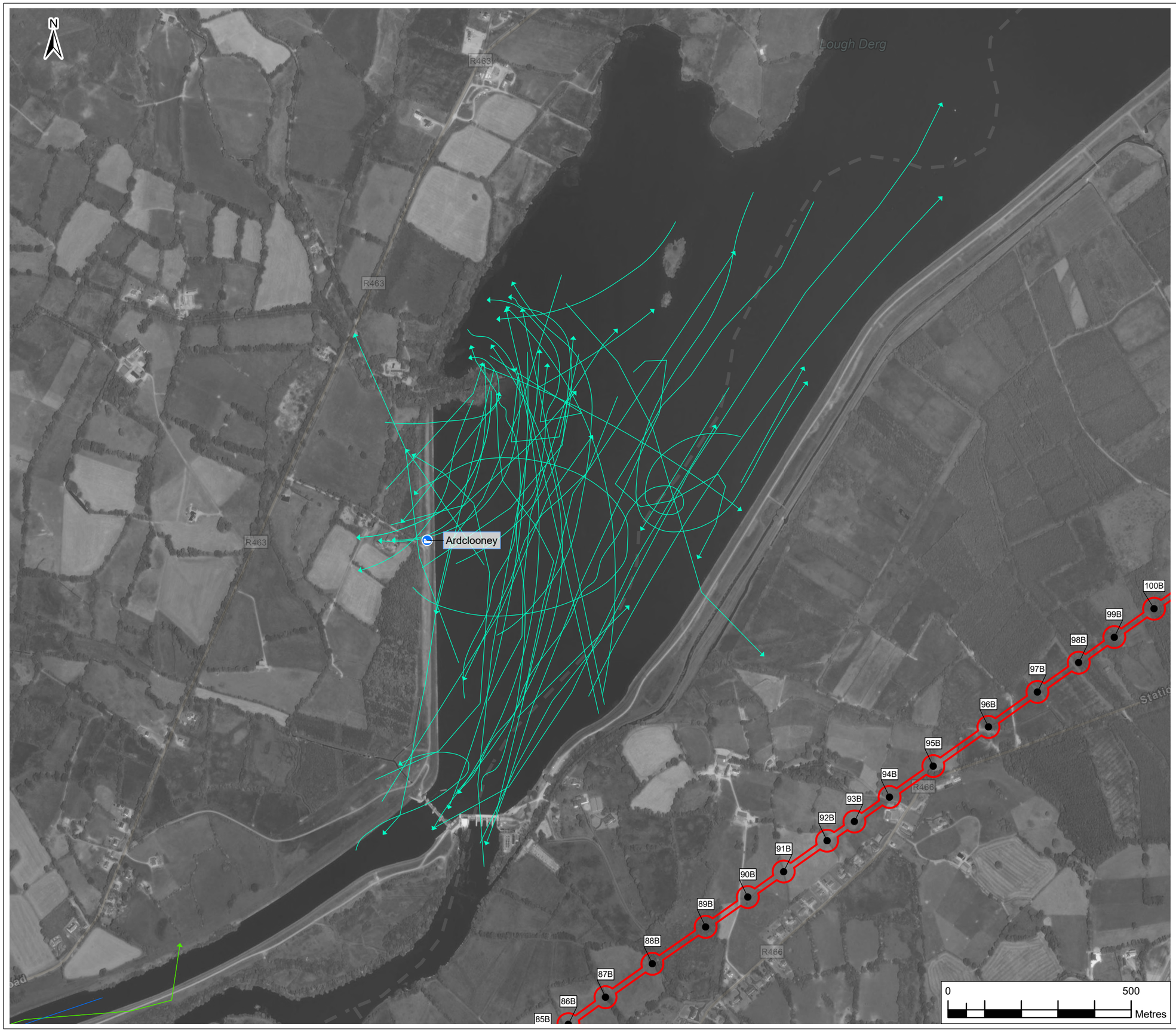
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38kV Winter Vantage Point Surveys -
Mallard 2019 to 2025
Sheet 2 of 3

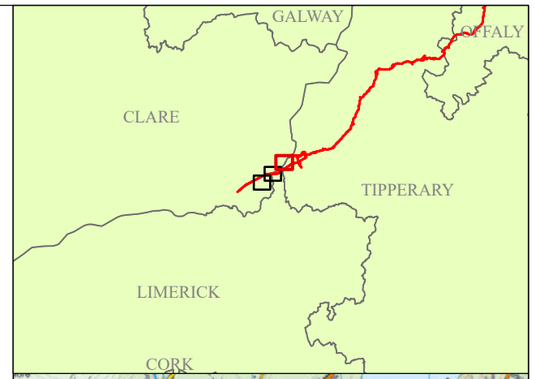
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

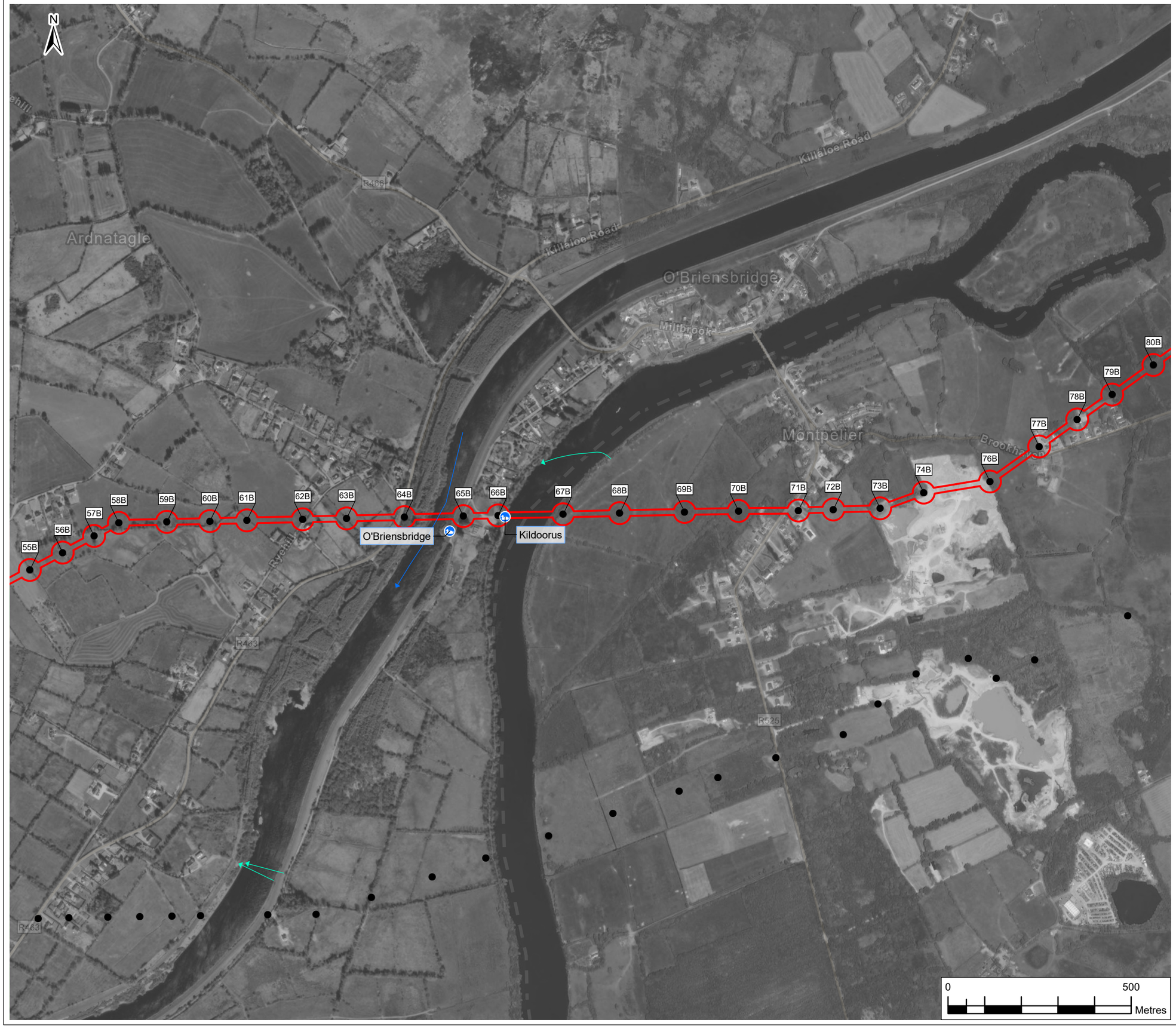
Drawing Title
Annex B Figure 49
38kV Winter Vantage Point Surveys -
Mallard 2019 to 2025
Sheet 3 of 3

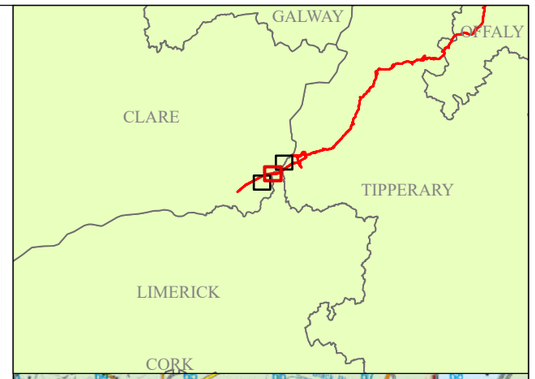
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Client No.	9318	
Drawing No.	32105801/700/	
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	SN	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

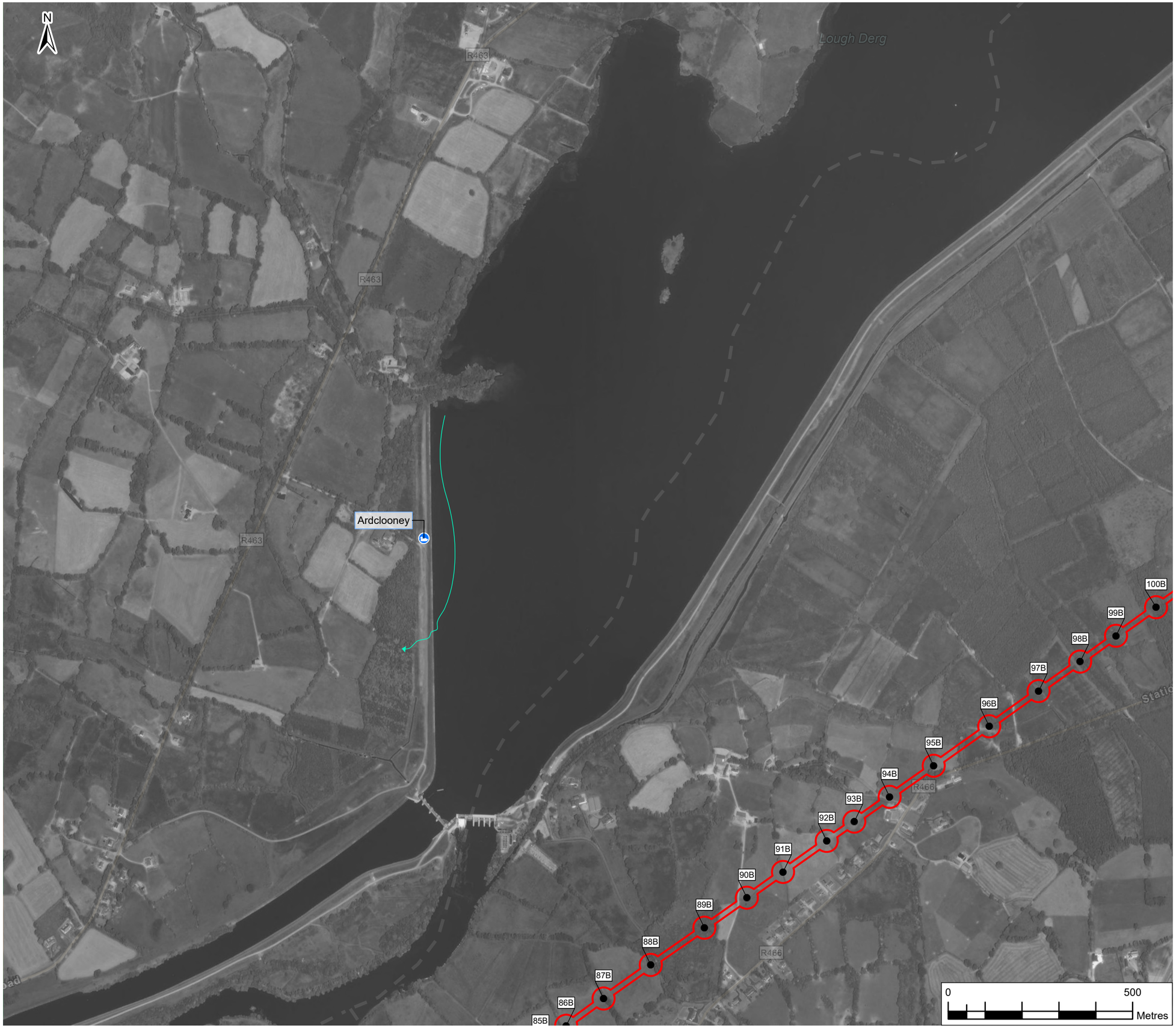
Drawing Title
Annex B Figure 50
38kV Winter Vantage Point Surveys -
Moorhen 2019 to 2025
Sheet 1 of 1

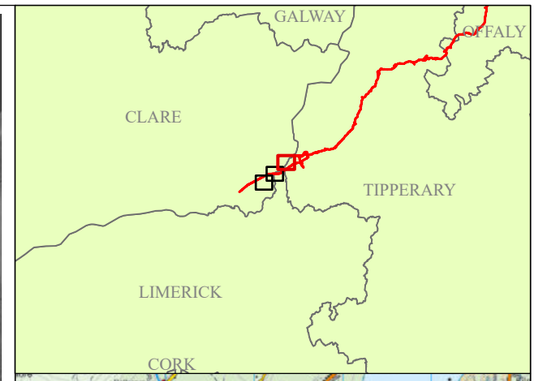
Drawing Status: Final - Planning Application

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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 51
38kV Winter Vantage Point Surveys -
Merlin 2019 to 2025
Sheet 1 of 1

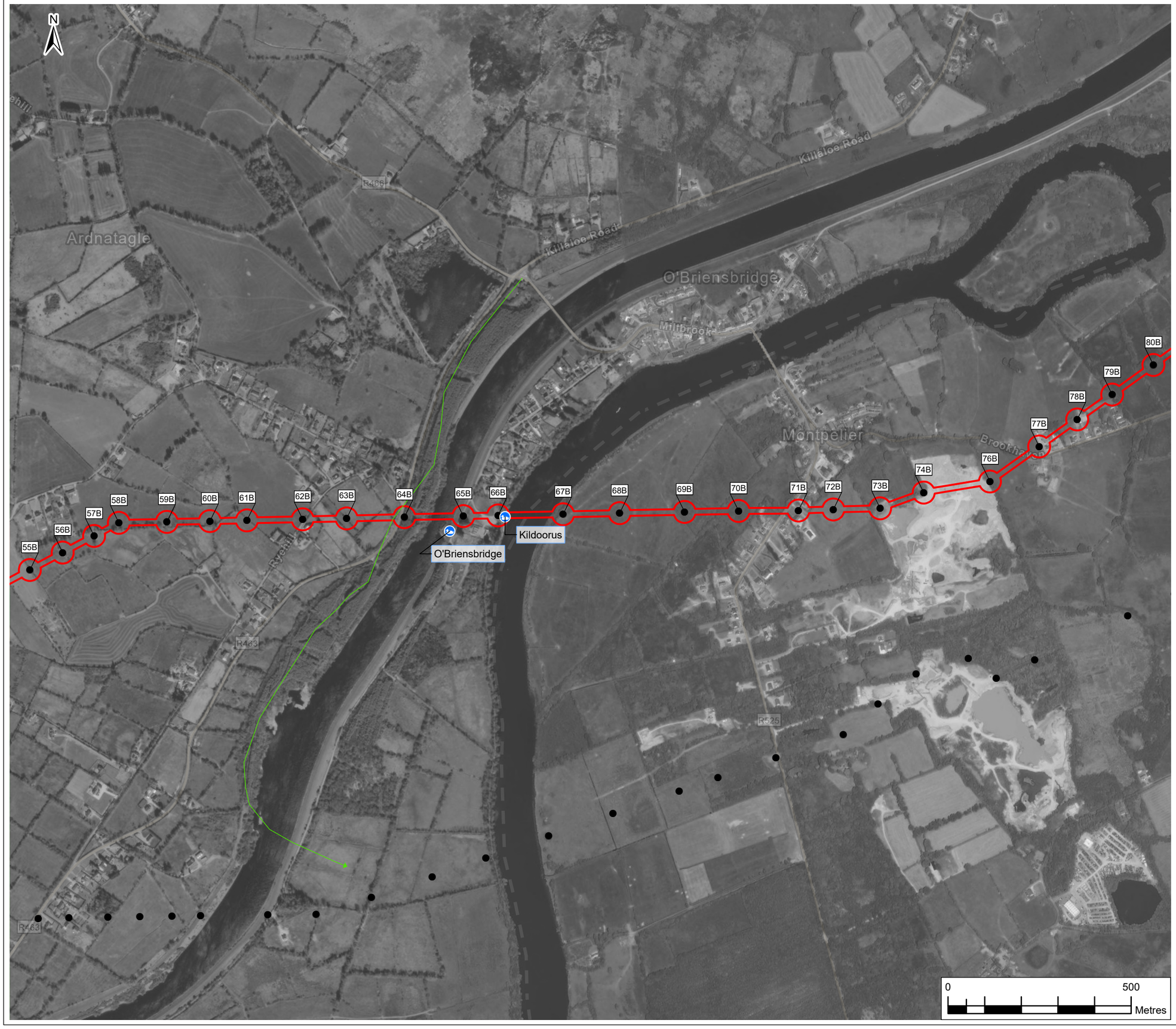
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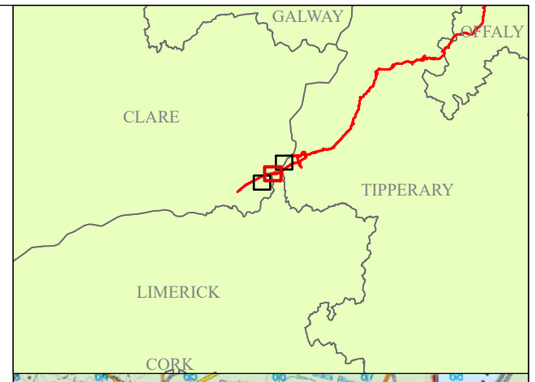
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

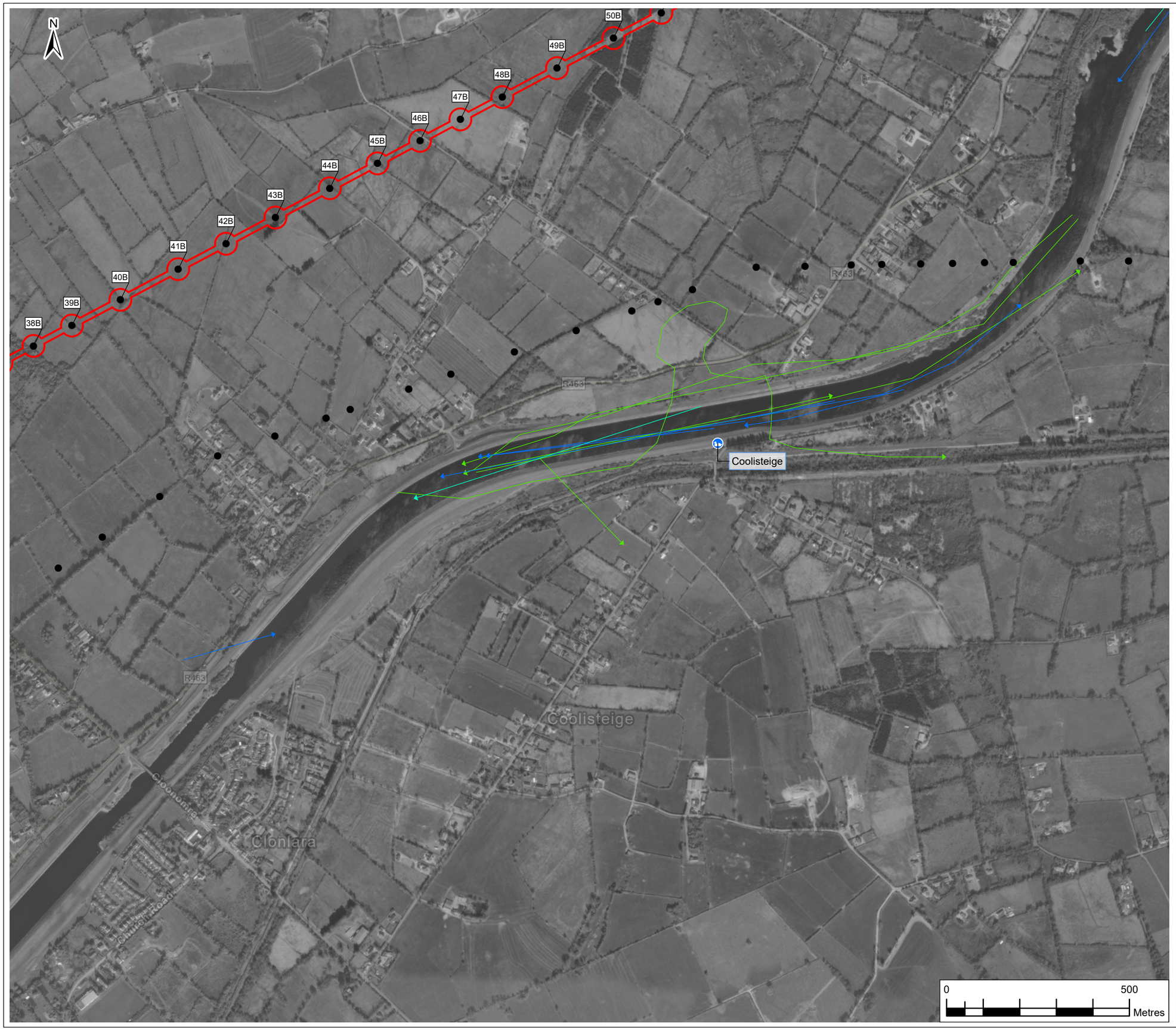
Annex B Figure 52
38kV Winter Vantage Point Surveys -
Marsh Harrier 2019 to 2025
Sheet 1 of 1

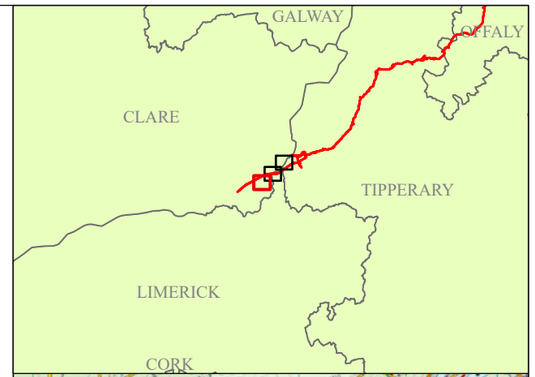
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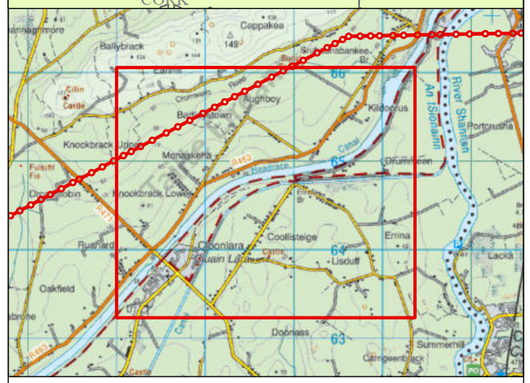
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

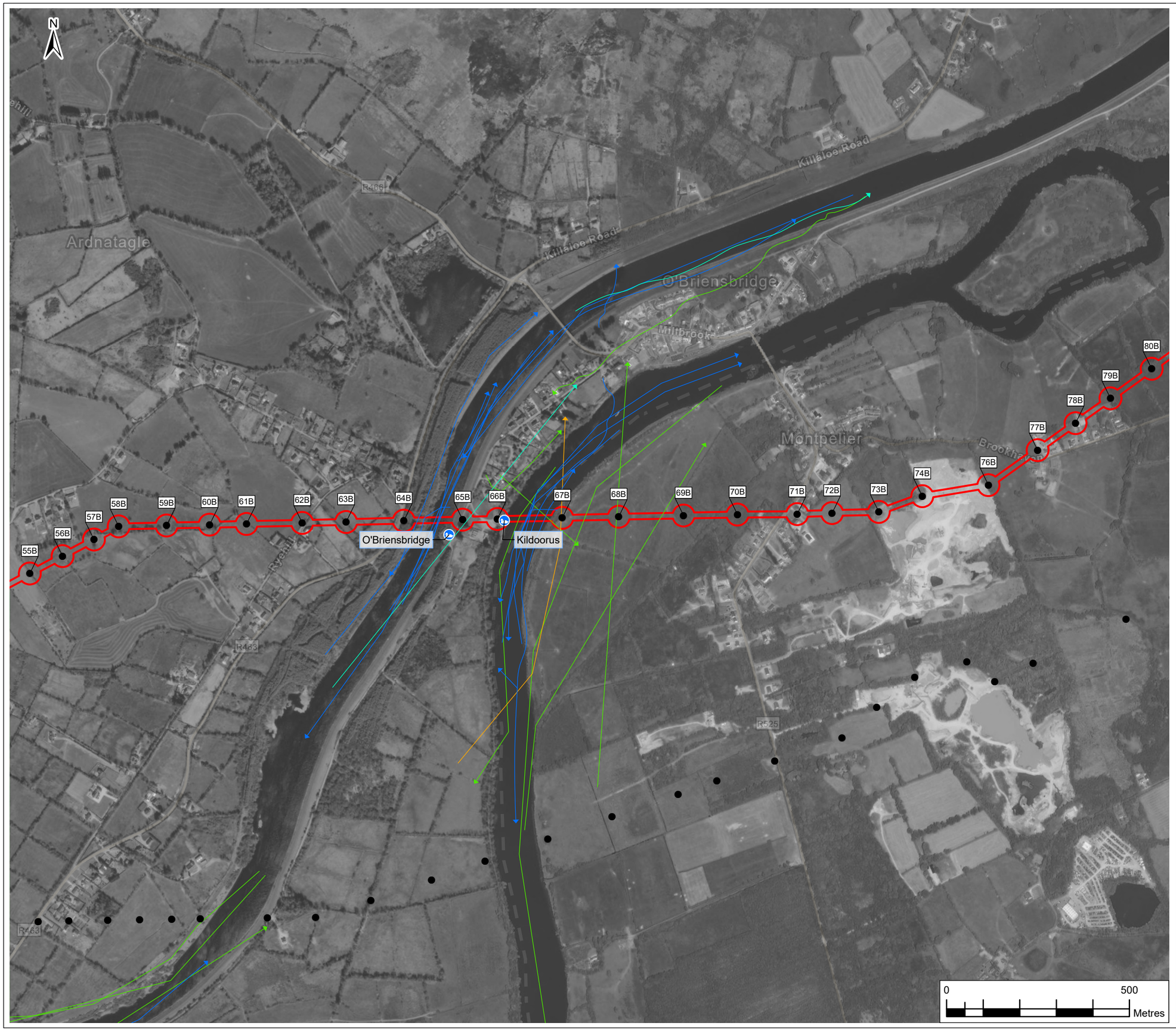
Drawing Title: Annex B Figure 53
38kV Winter Vantage Point Surveys -
Mute Swan 2019 to 2025
Sheet 1 of 3

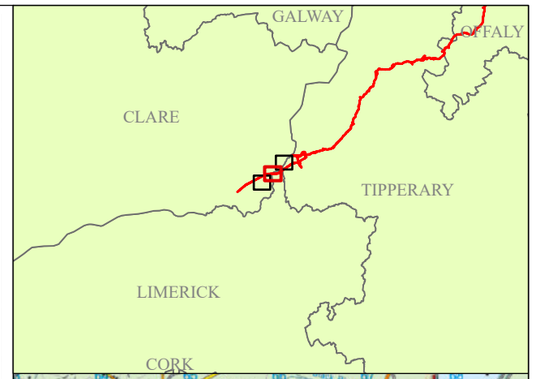
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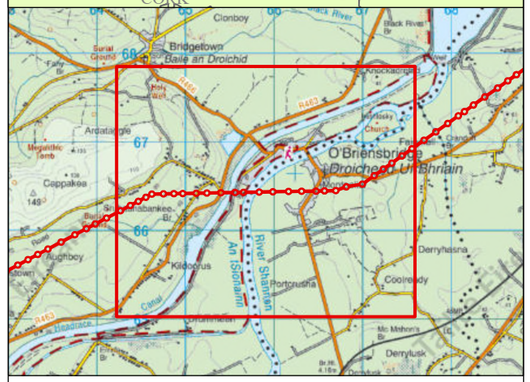
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- At Collision Height
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

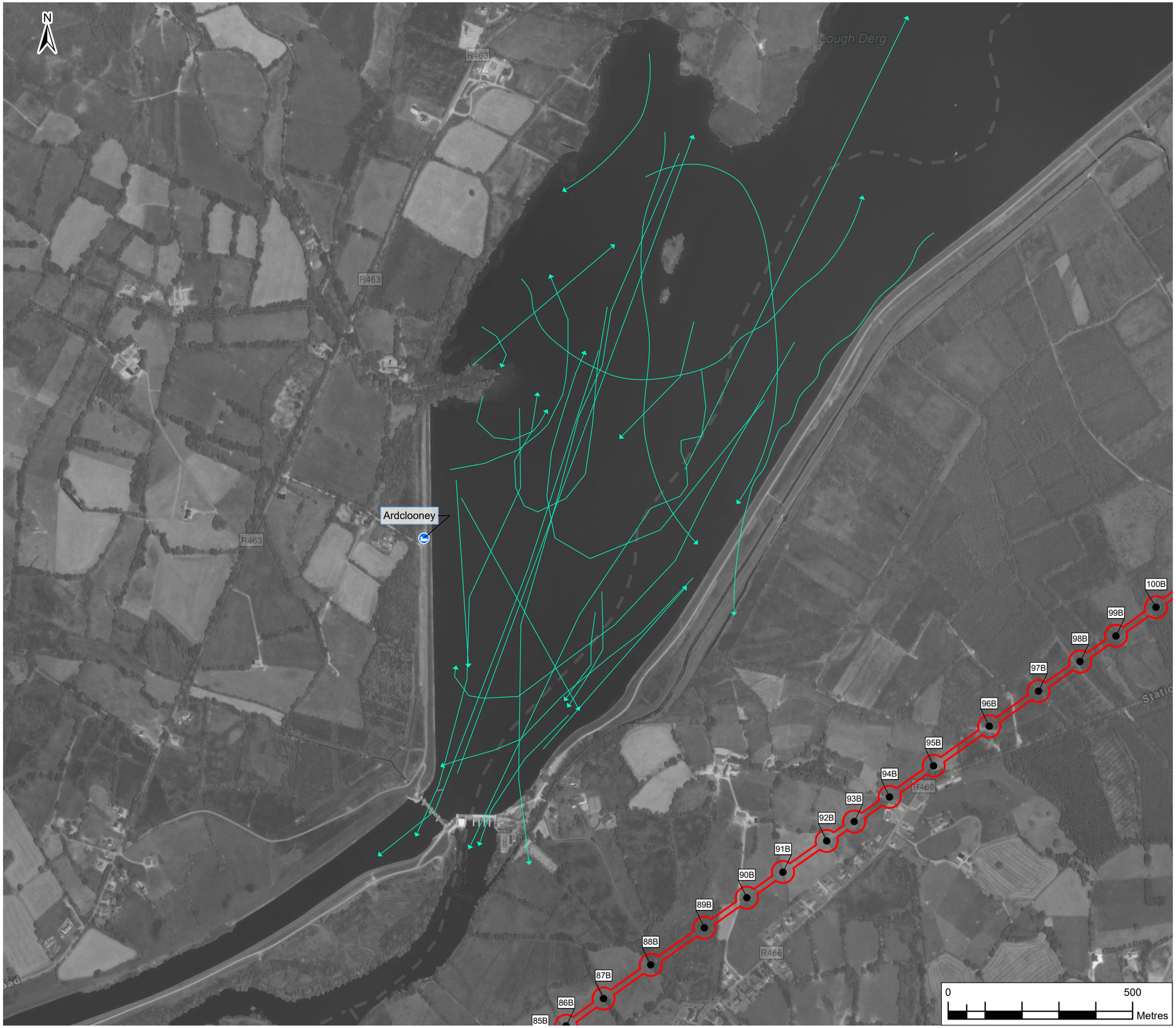
Annex B Figure 54
38kV Winter Vantage Point Surveys -
Mute Swan 2019 to 2025
Sheet 2 of 3

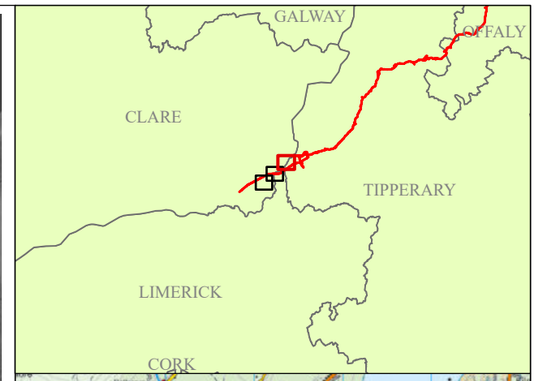
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 55
38kV Winter Vantage Point Surveys -
Mute Swan 2019 to 2025
Sheet 3 of 3

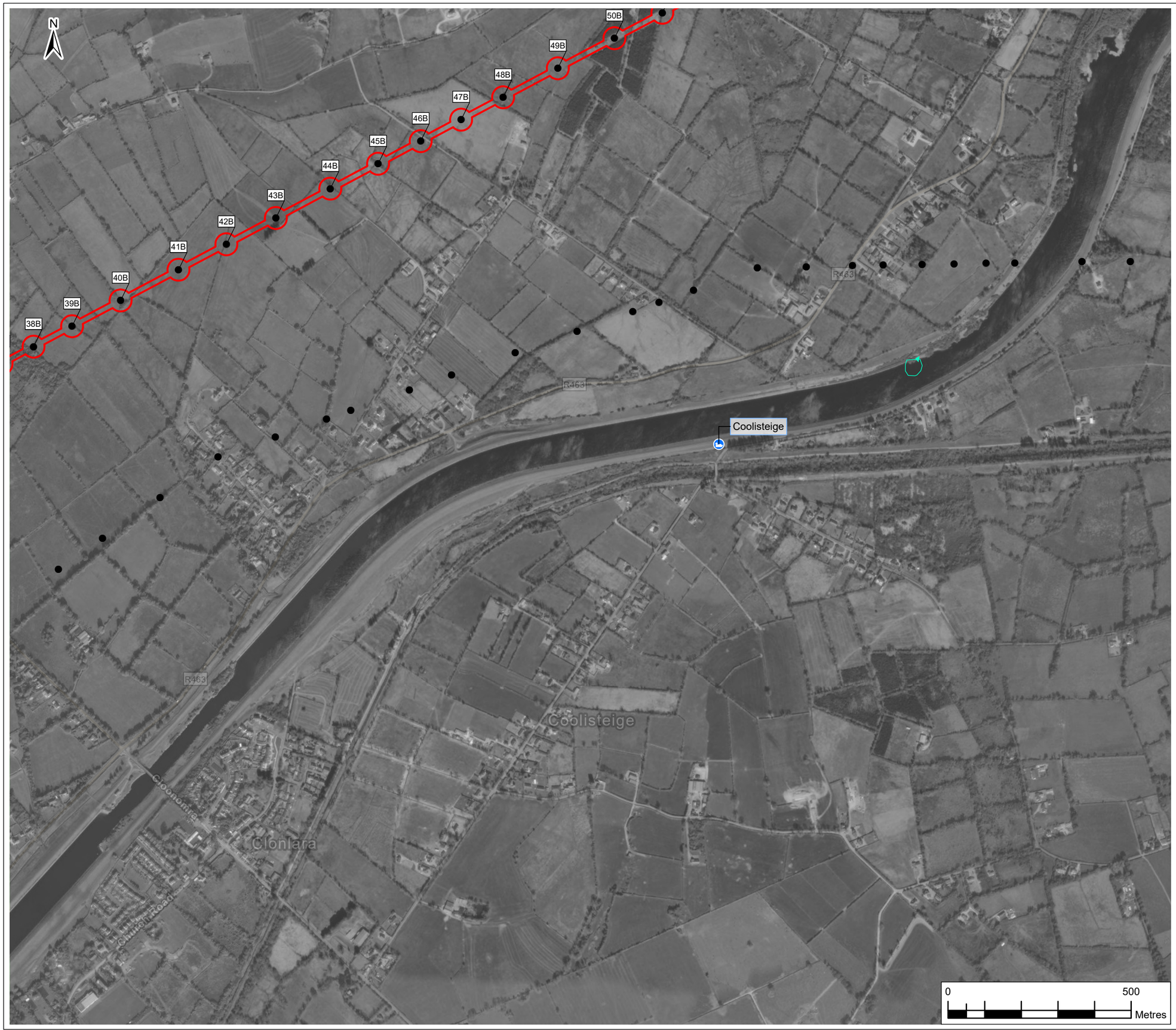
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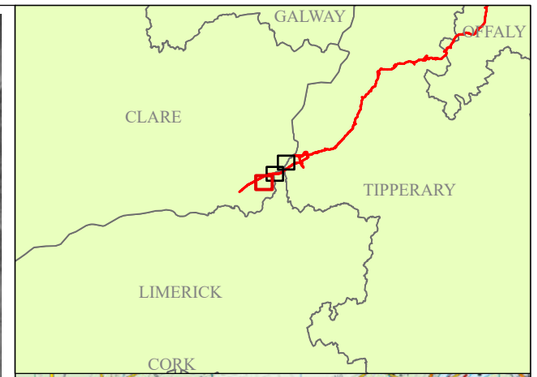
Final - Planning Application

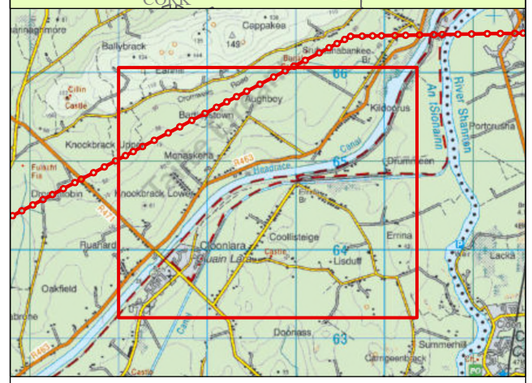
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

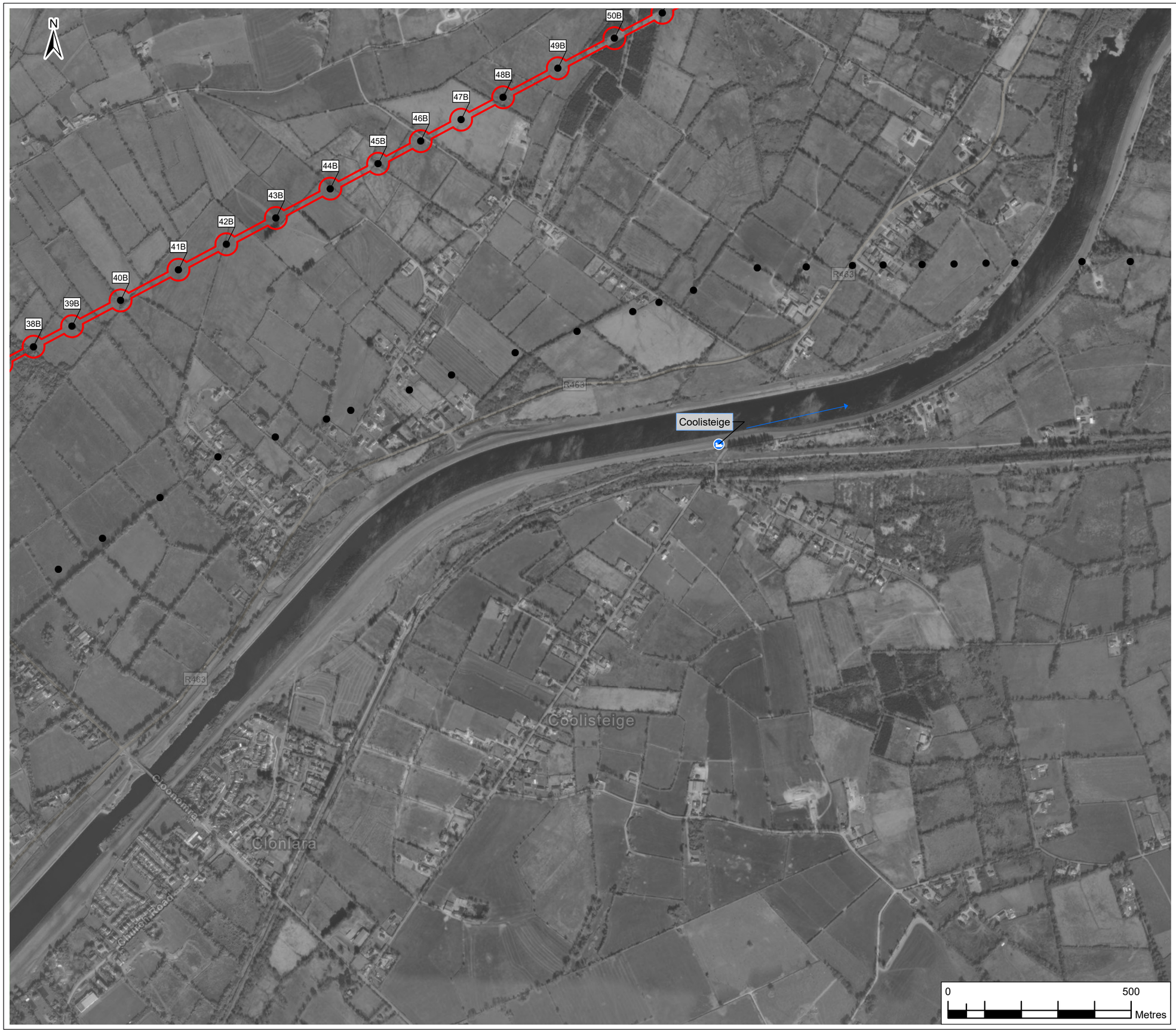
Drawing Title: Annex B Figure 56
38kV Winter Vantage Point Surveys -
Great Northern Diver 2019 to 2025
Sheet 1 of 1

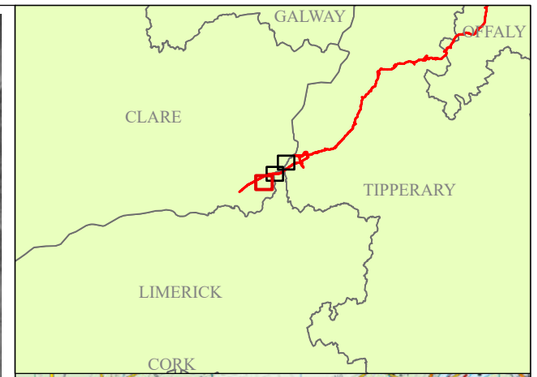
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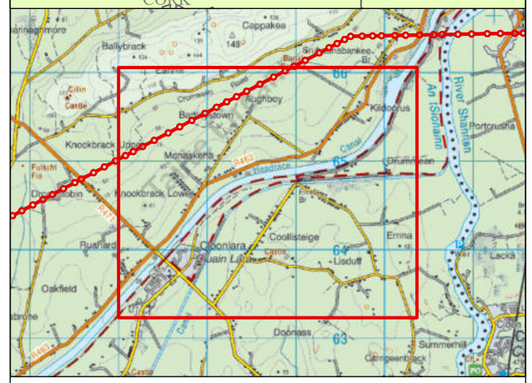
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

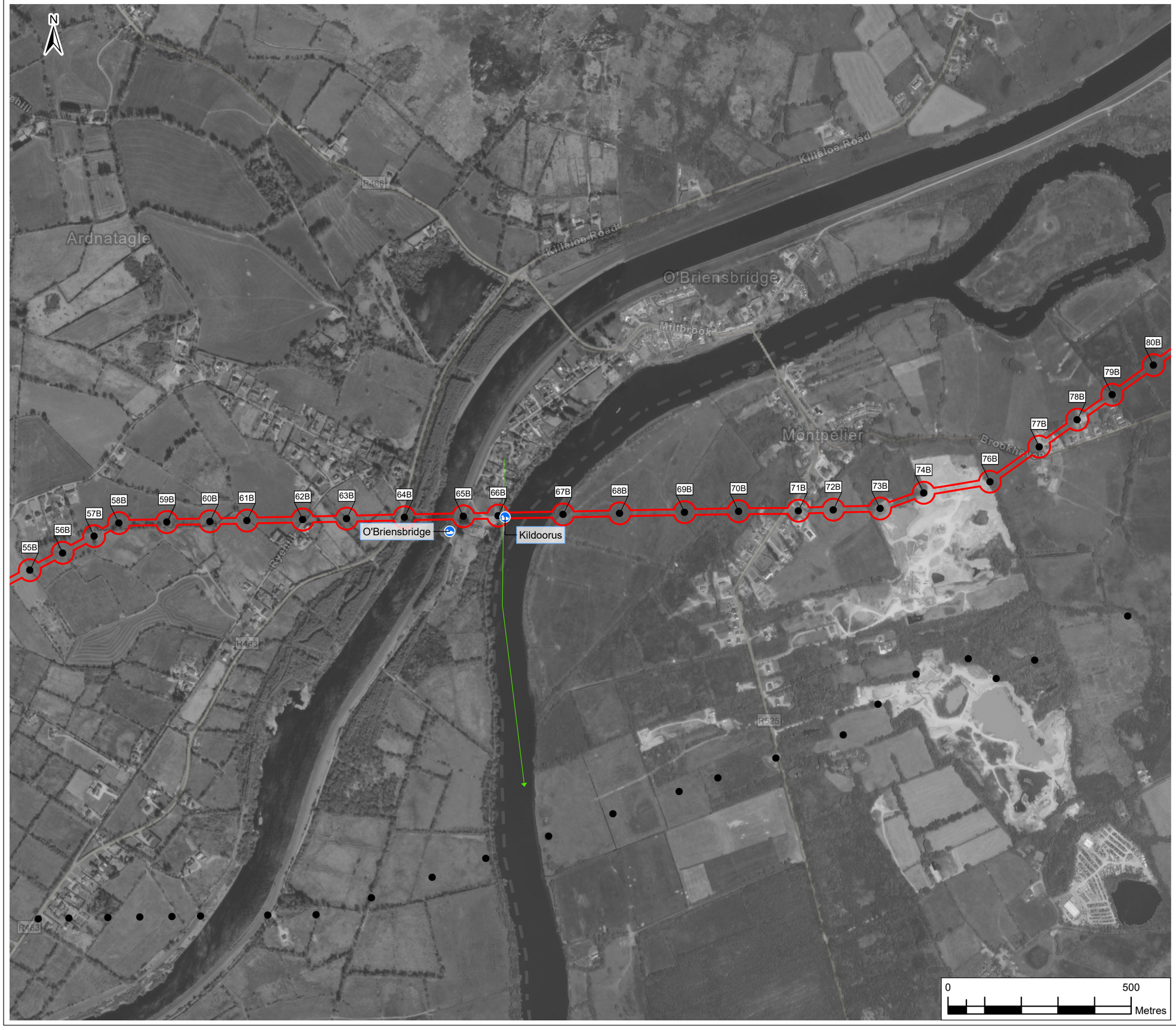
Annex B Figure 57
38kV Winter Vantage Point Surveys -
Oystercatcher 2019 to 2025
Sheet 1 of 1

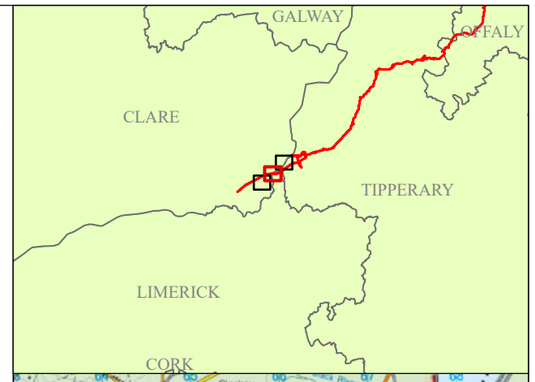
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

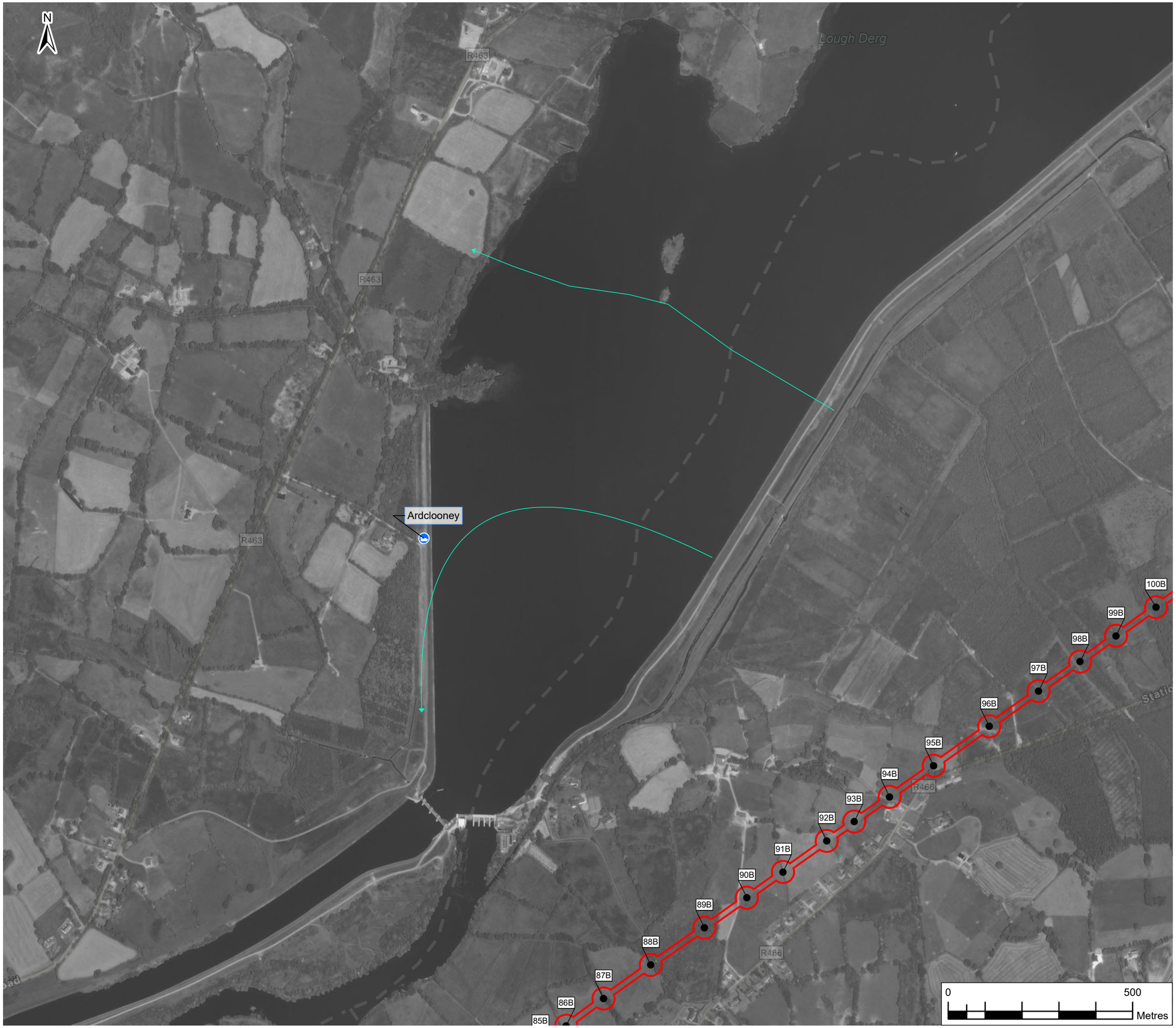
Annex B Figure 58
38kV Winter Vantage Point Surveys -
Peregrine 2019 to 2025
Sheet 1 of 2

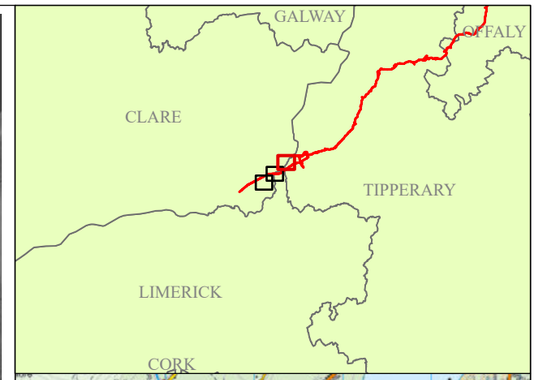
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 59
38kV Winter Vantage Point Surveys -
Peregrine 2019 to 2025
Sheet 2 of 2

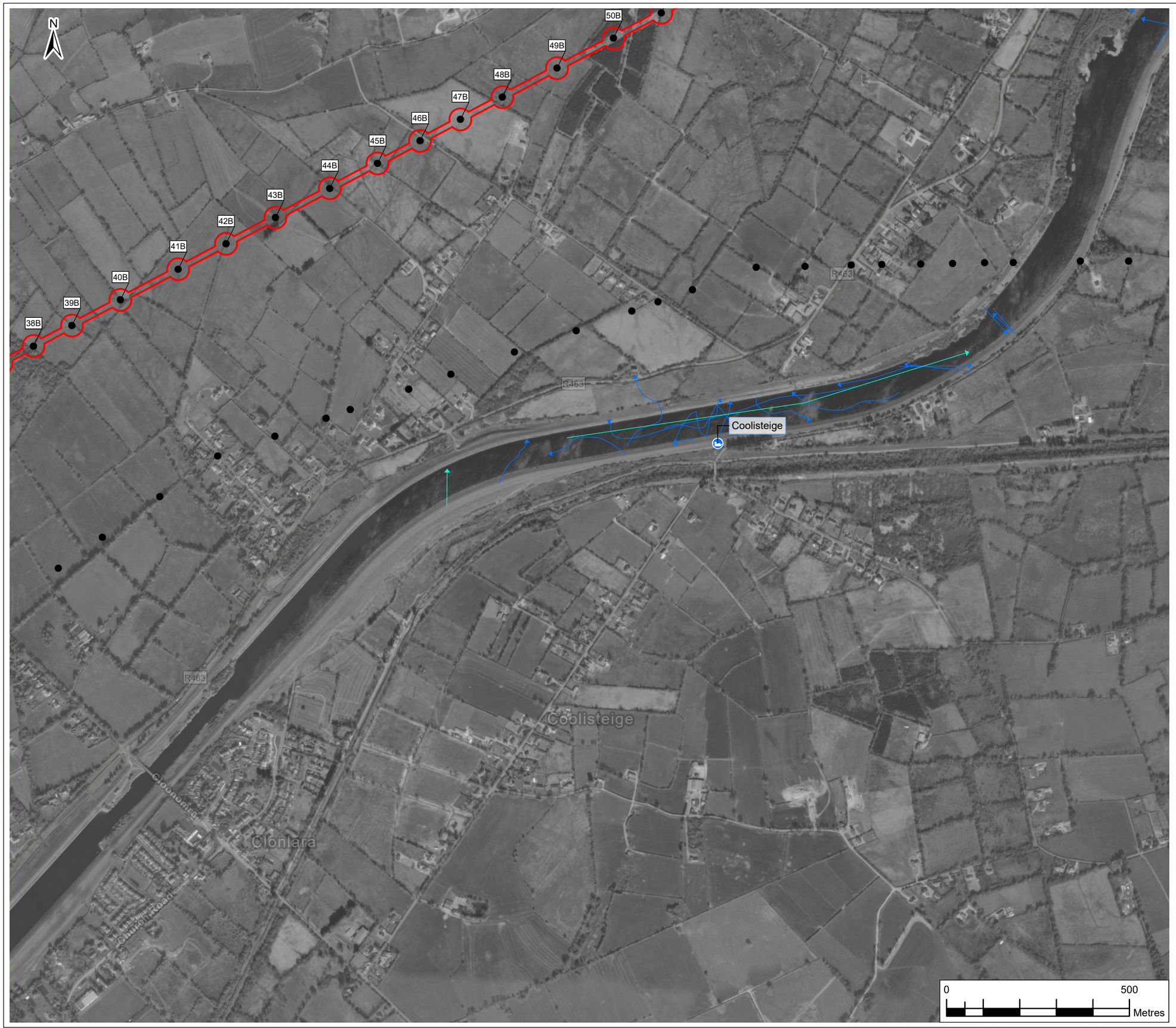
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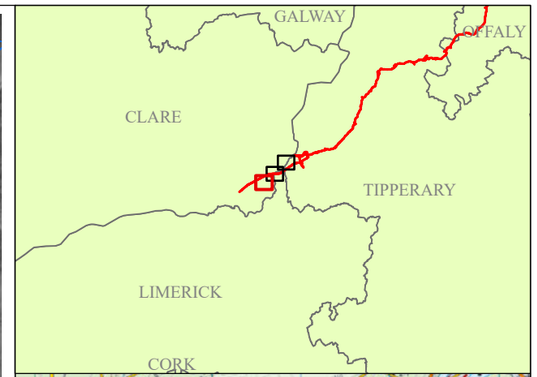
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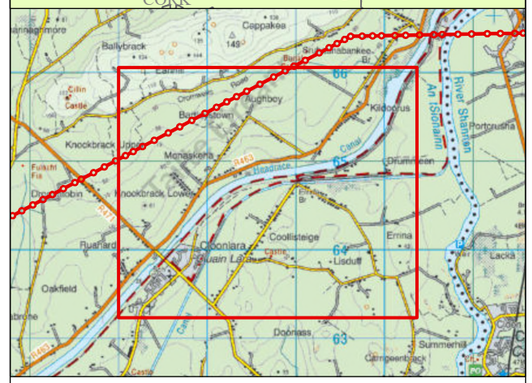
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

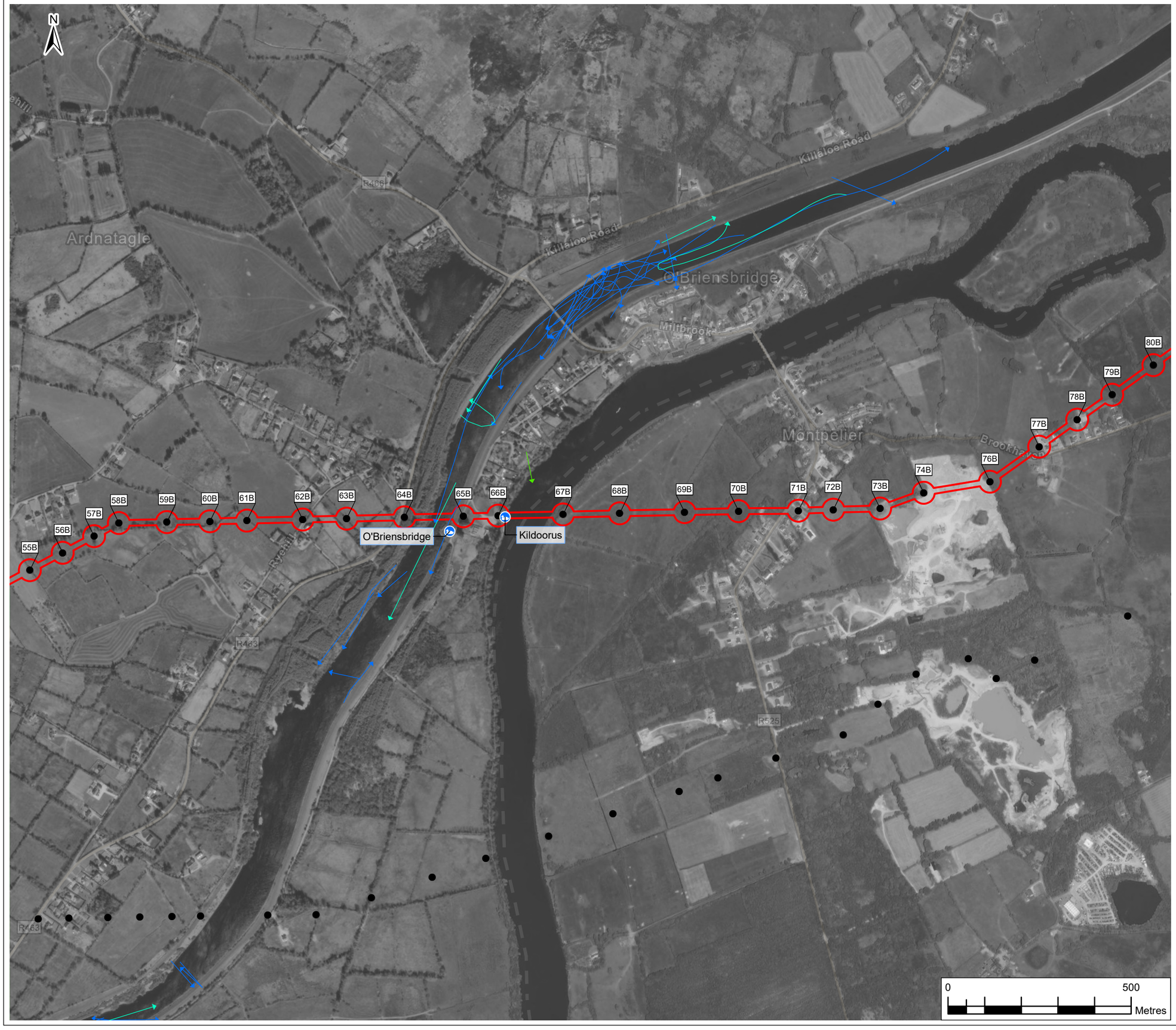
Drawing Title: Annex B Figure 60
38kV Winter Vantage Point Surveys -
Redshank 2019 to 2025
Sheet 1 of 3

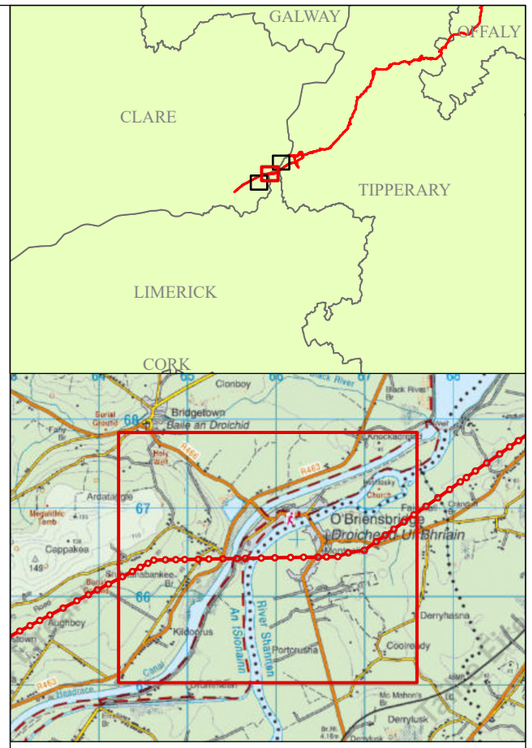
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

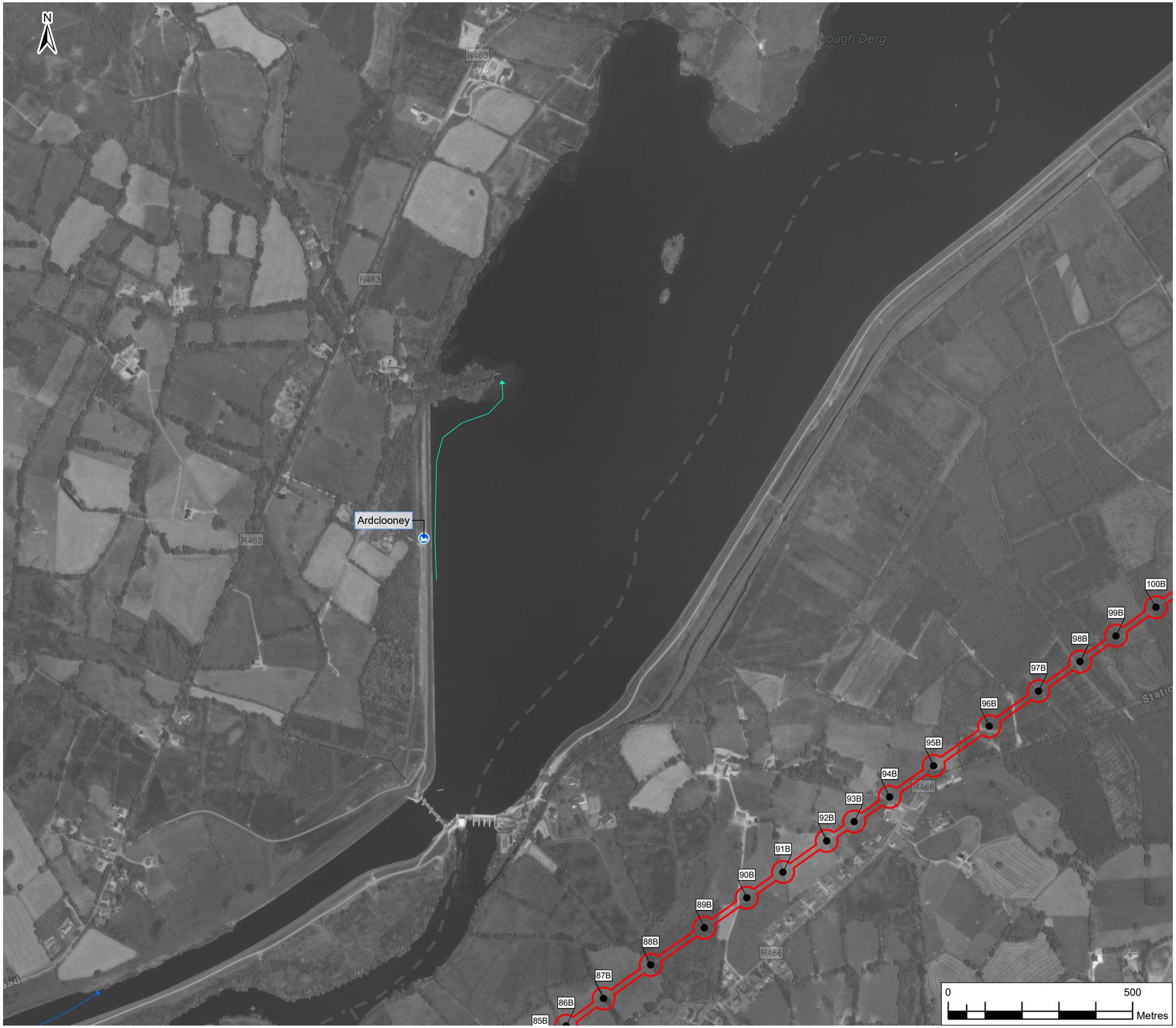
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38kV Winter Vantage Point Surveys -
Redshank 2019 to 2025
Sheet 2 of 3

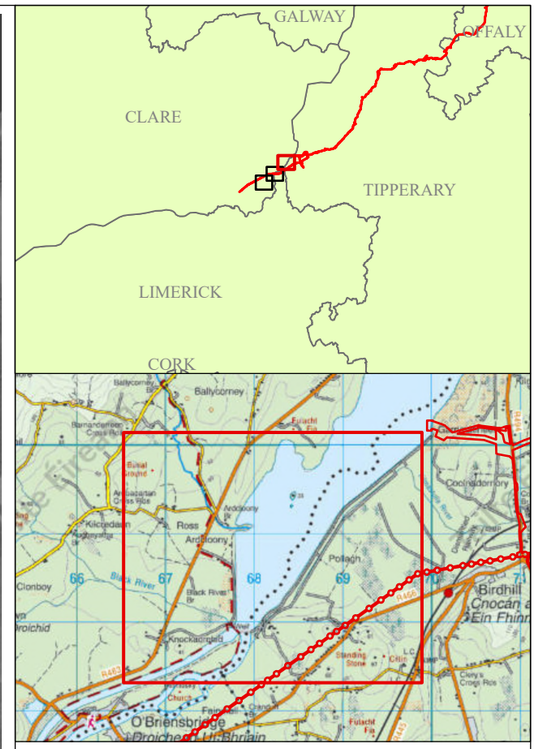
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 62
38kV Winter Vantage Point Surveys -
Redshank 2019 to 2025
Sheet 3 of 3

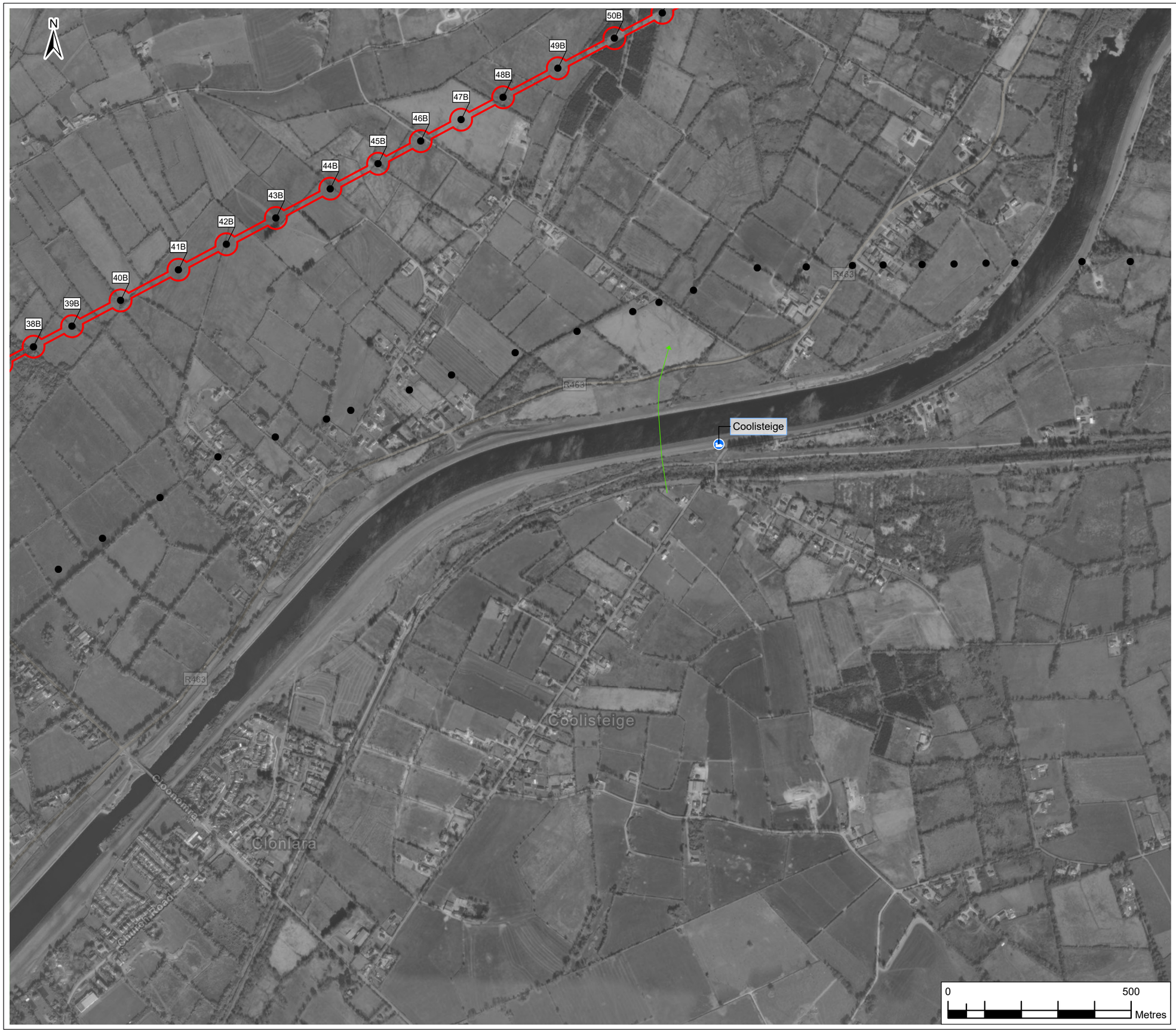
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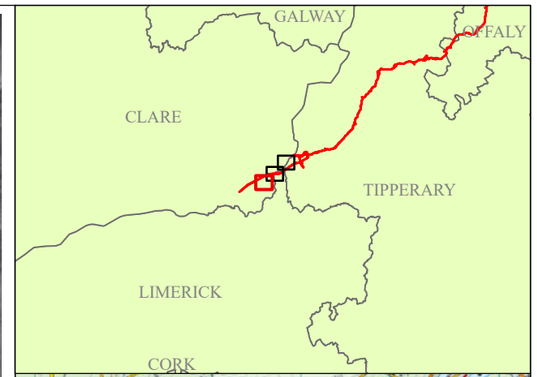
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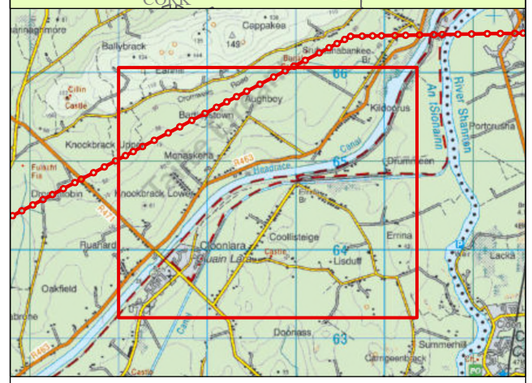
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

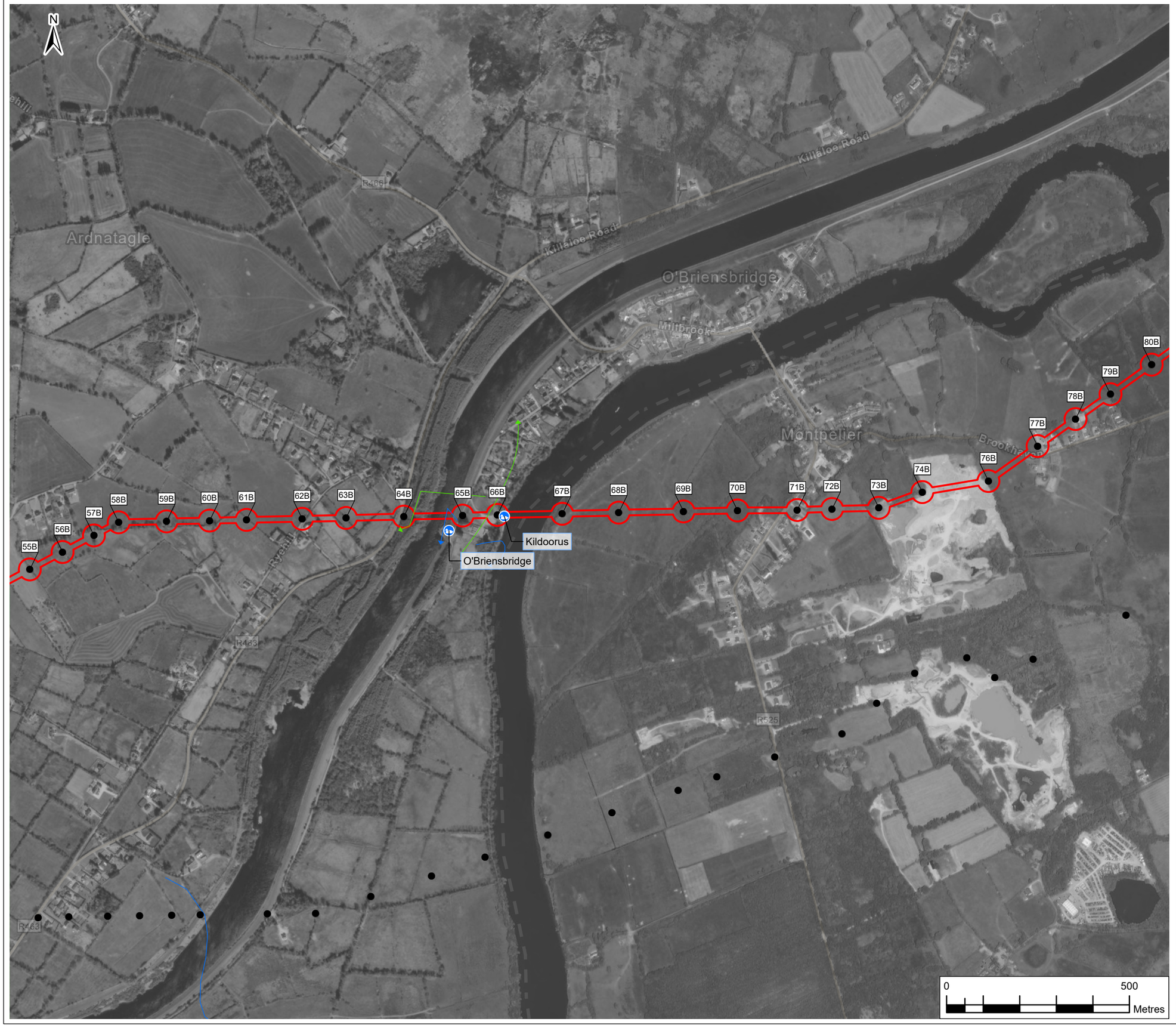
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38kV Winter Vantage Point Surveys -
Raven 2019 to 2025
Sheet 1 of 1

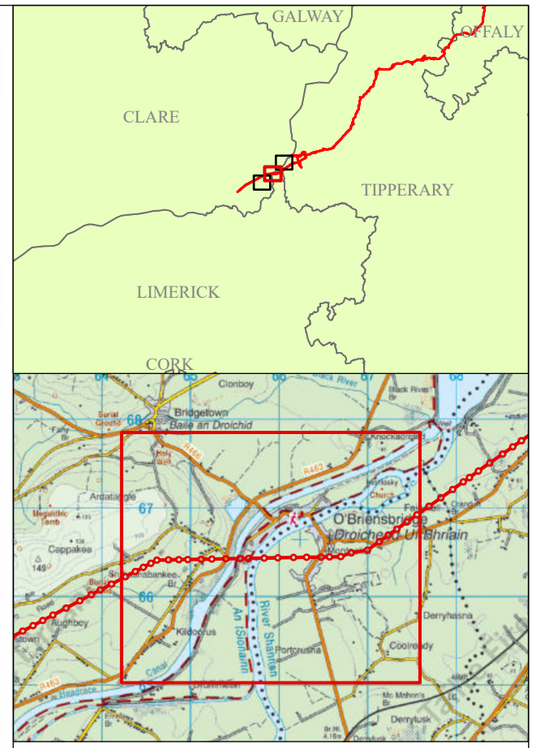
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

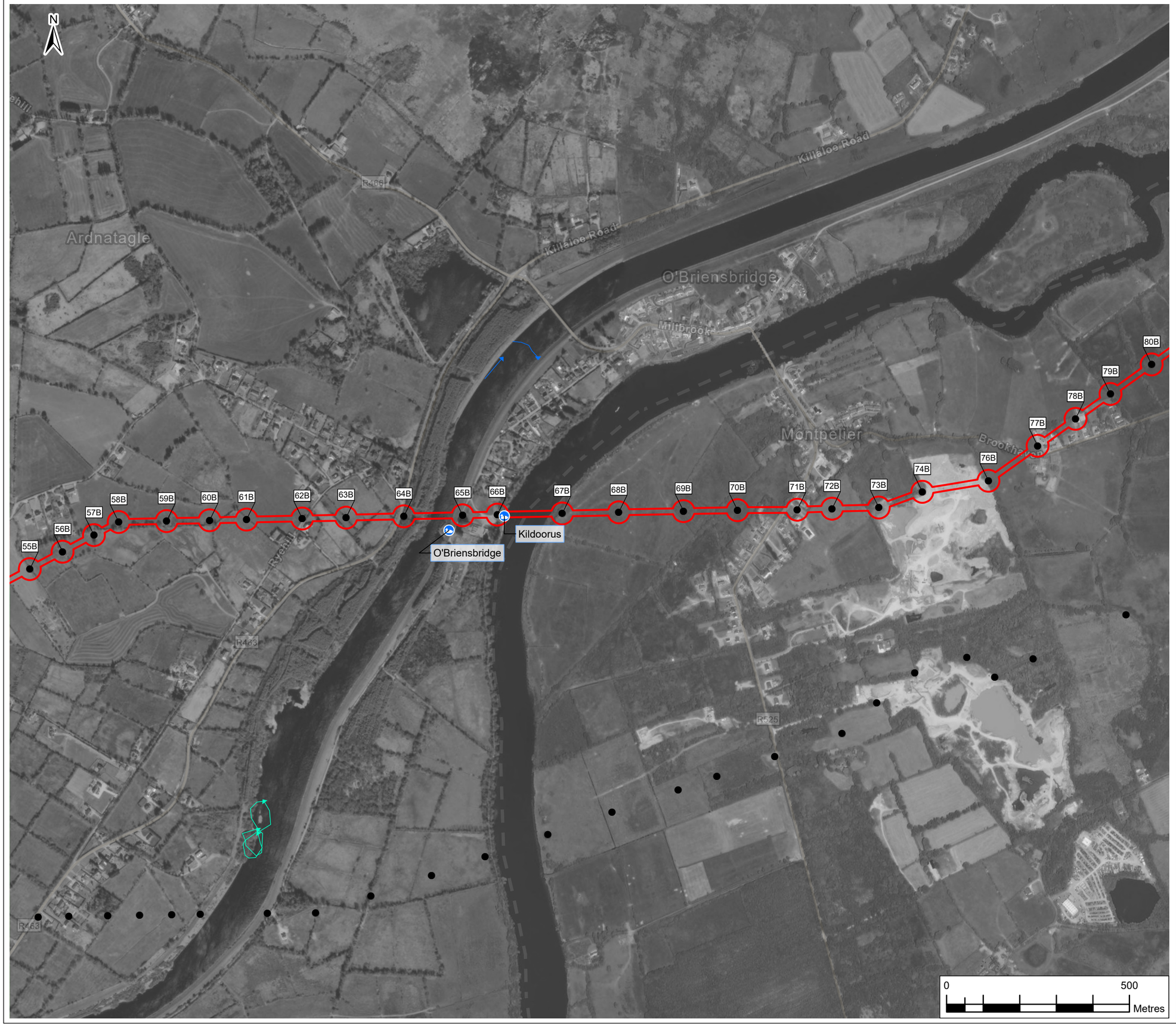
Annex B Figure 64
38kV Winter Vantage Point Surveys -
Sparrowhawk 2019 to 2025
Sheet 1 of 1

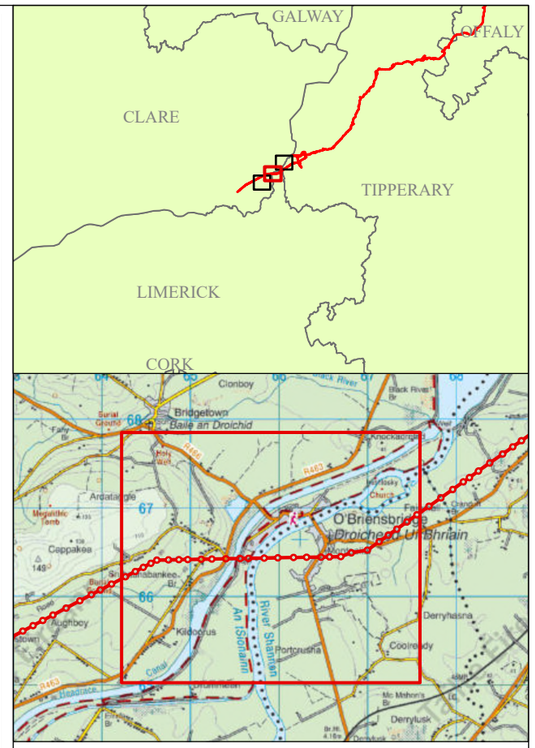
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below
- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

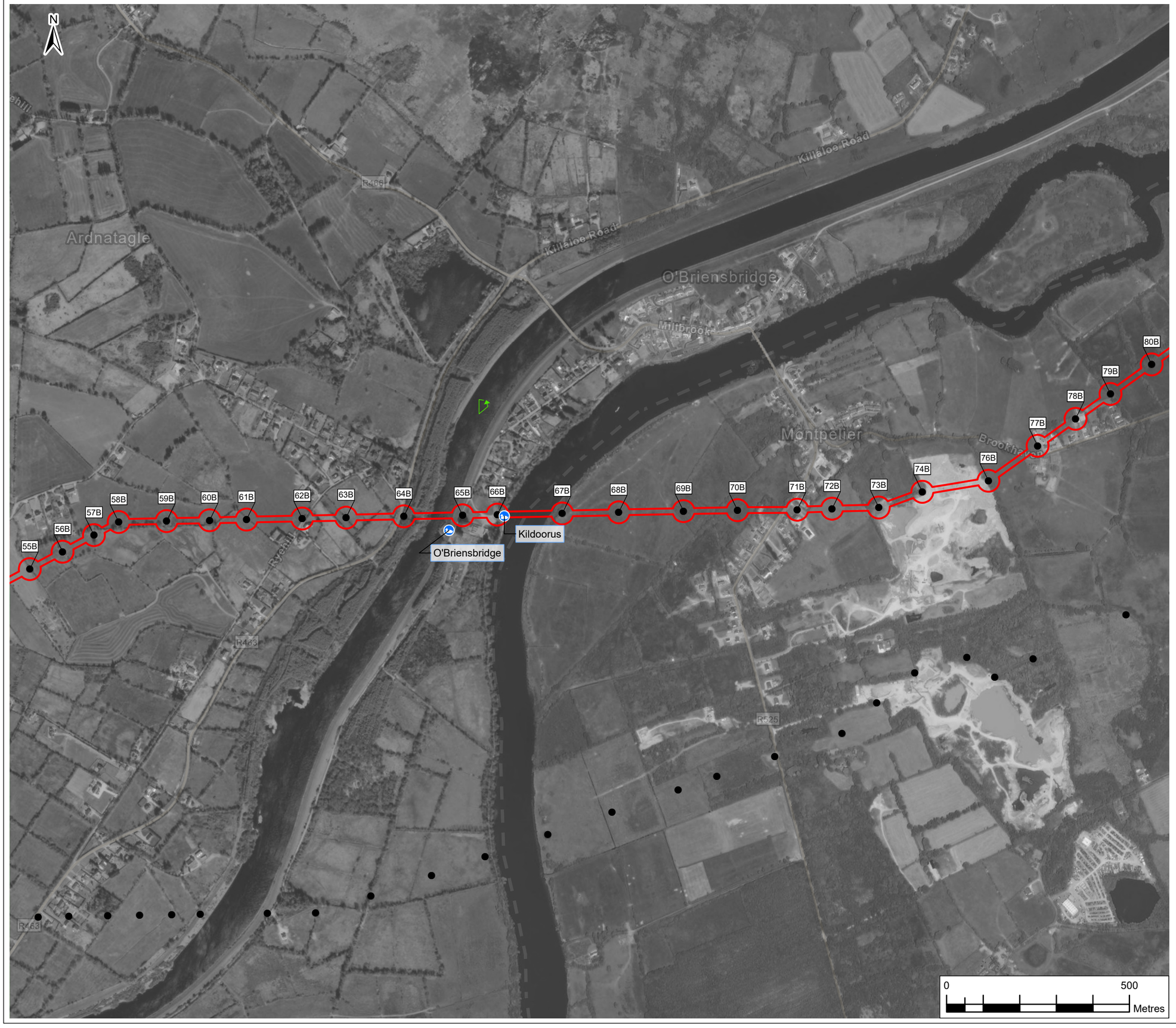
Drawing Title: Annex B Figure 65
38kV Winter Vantage Point Surveys -
Snipe 2019 to 2025
Sheet 1 of 1

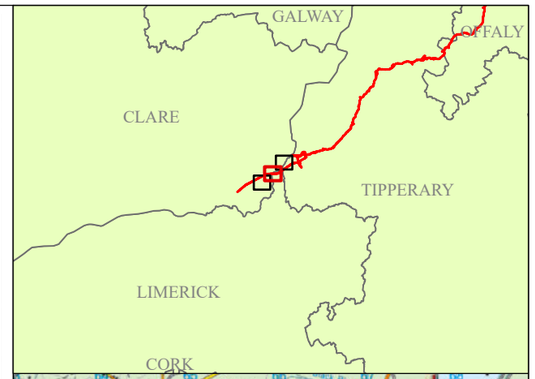
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

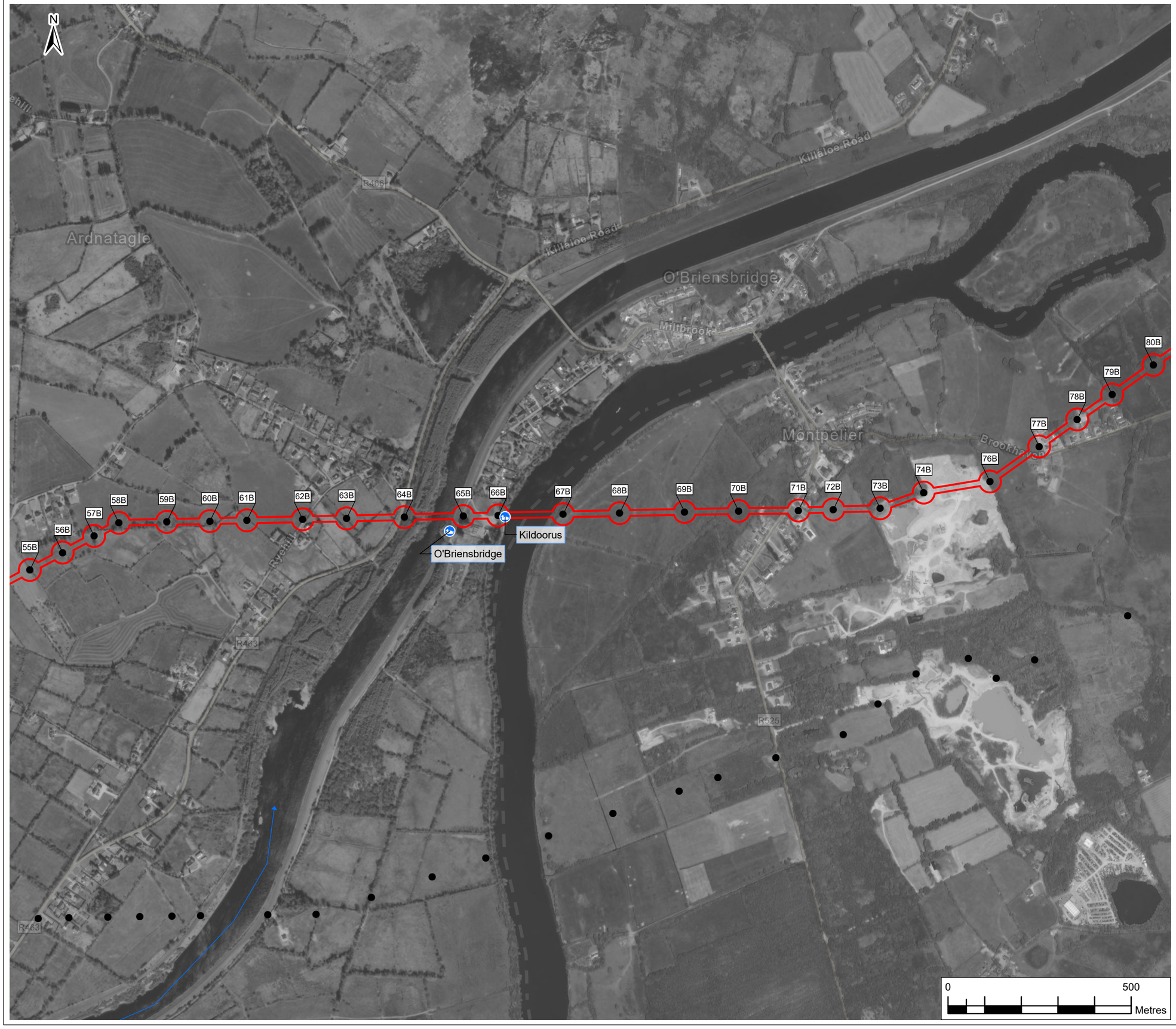
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38kV Winter Vantage Point Surveys -
Scaup 2019 to 2025
Sheet 1 of 1

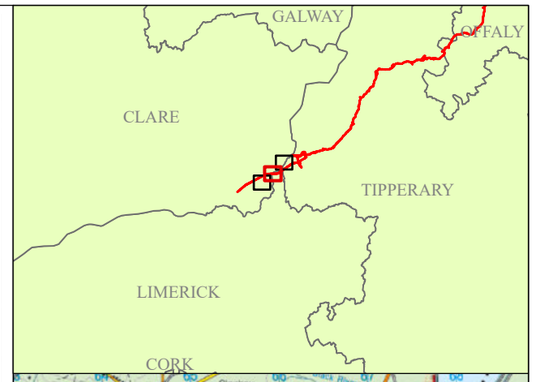
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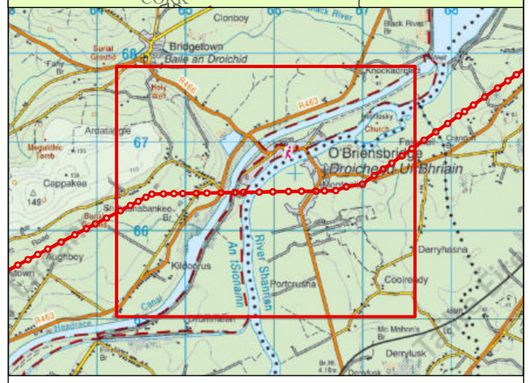
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

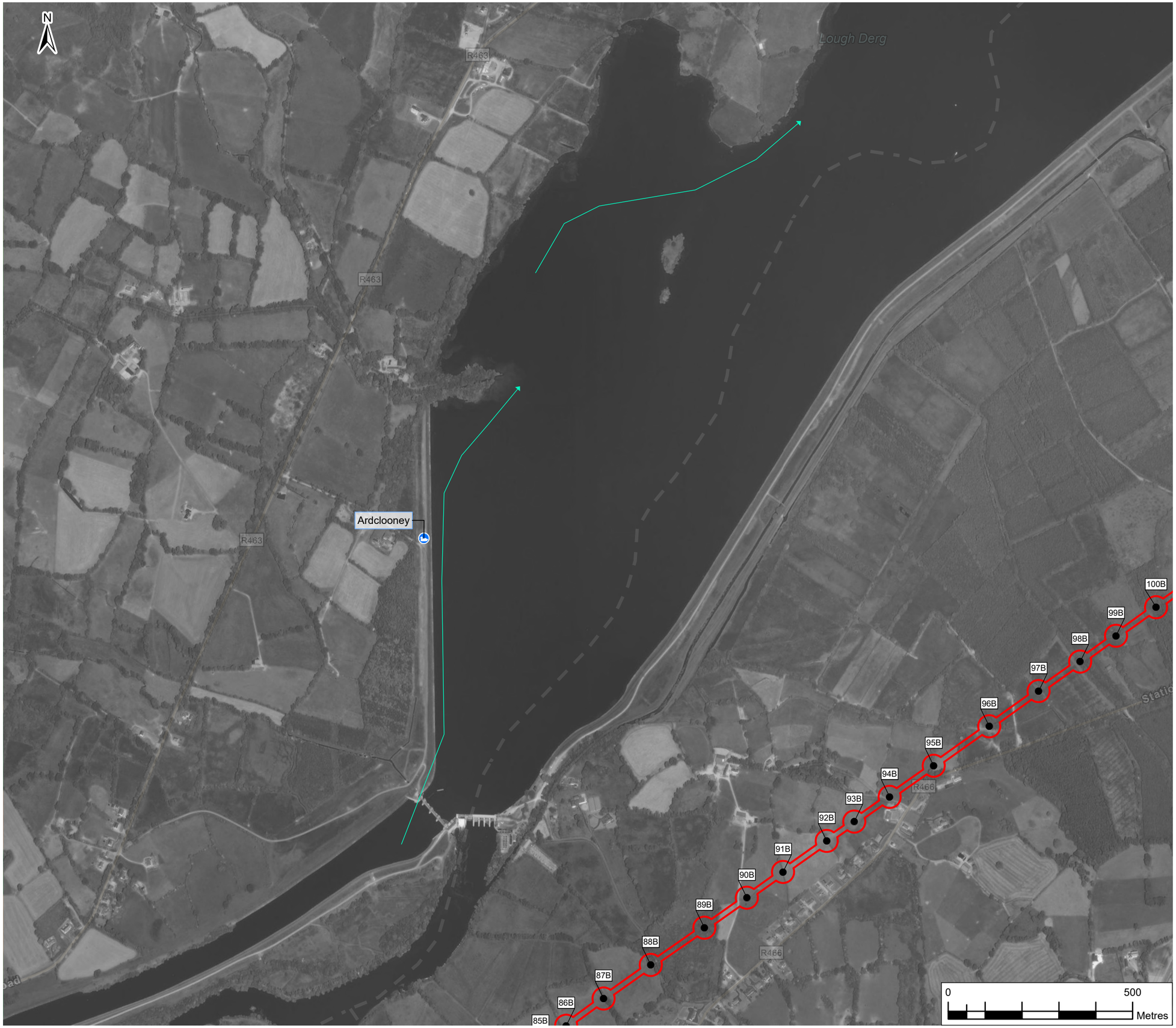
Drawing Title: Annex B Figure 67
38kV Winter Vantage Point Surveys -
Teal 2019 to 2025
Sheet 1 of 2

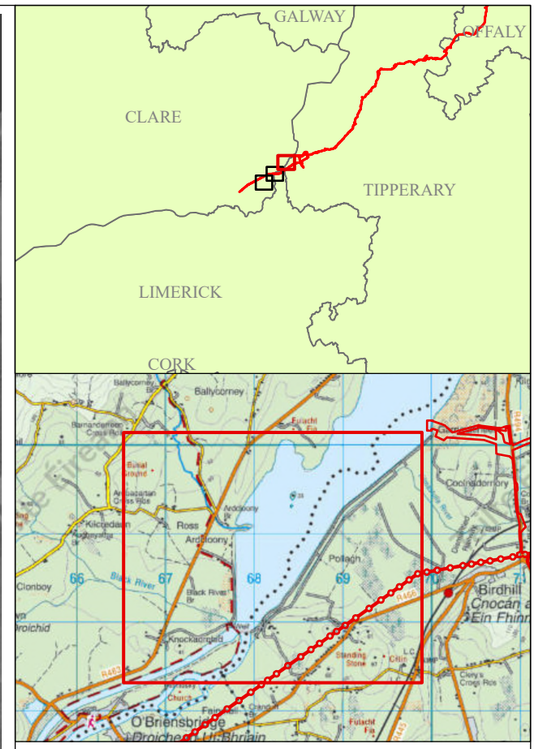
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

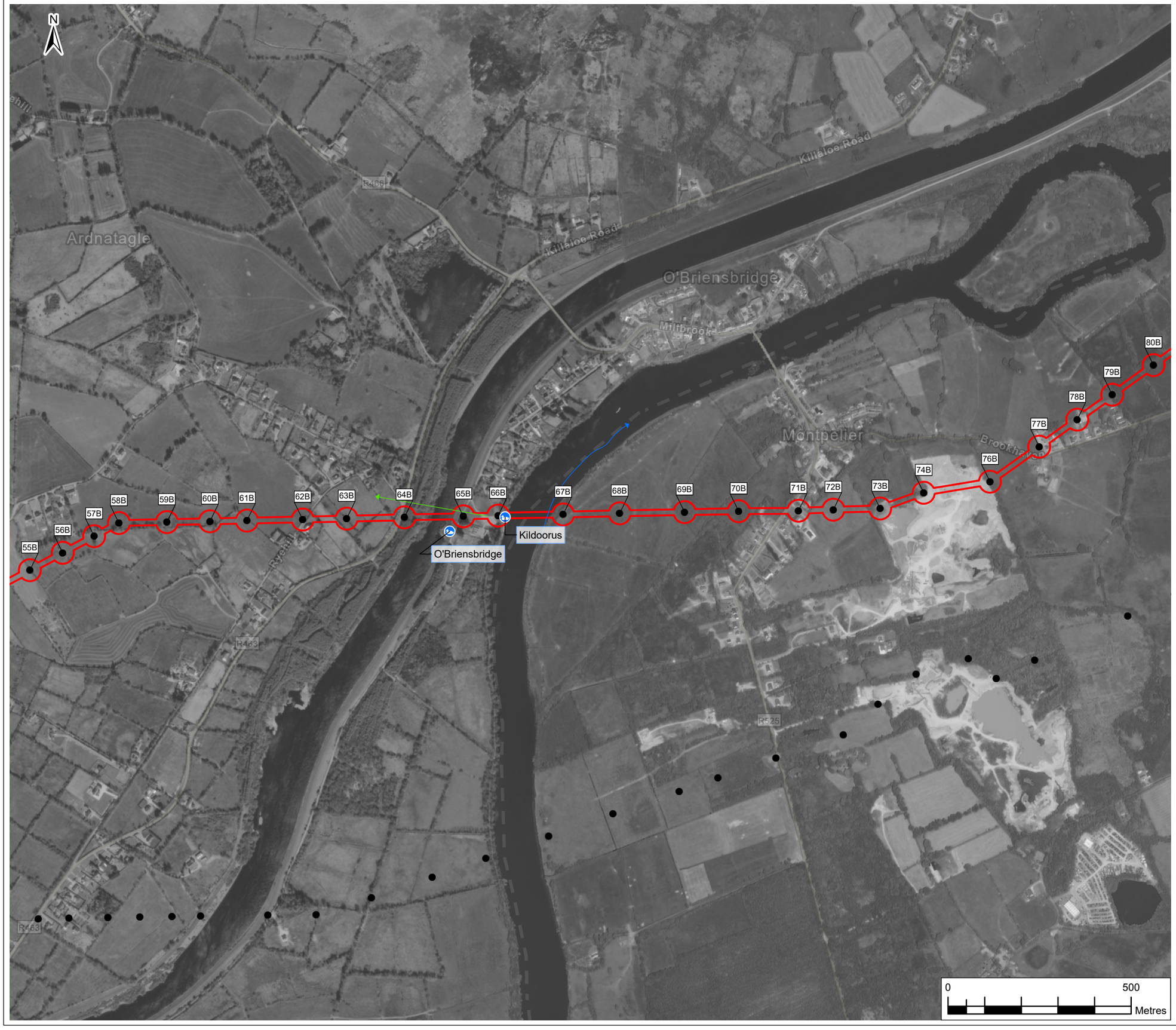
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38kV Winter Vantage Point Surveys -
Teal 2019 to 2025
Sheet 2 of 2

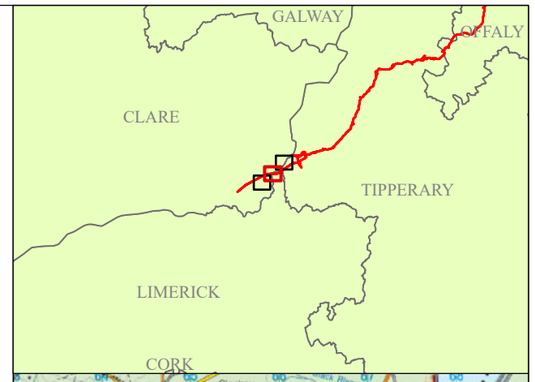
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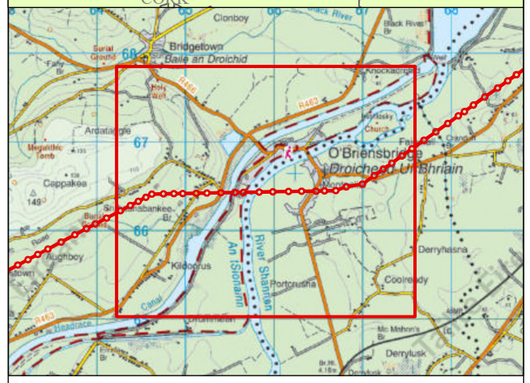
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client: Uisce Éireann Irish Water; Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project
Eastern and Midlands Region

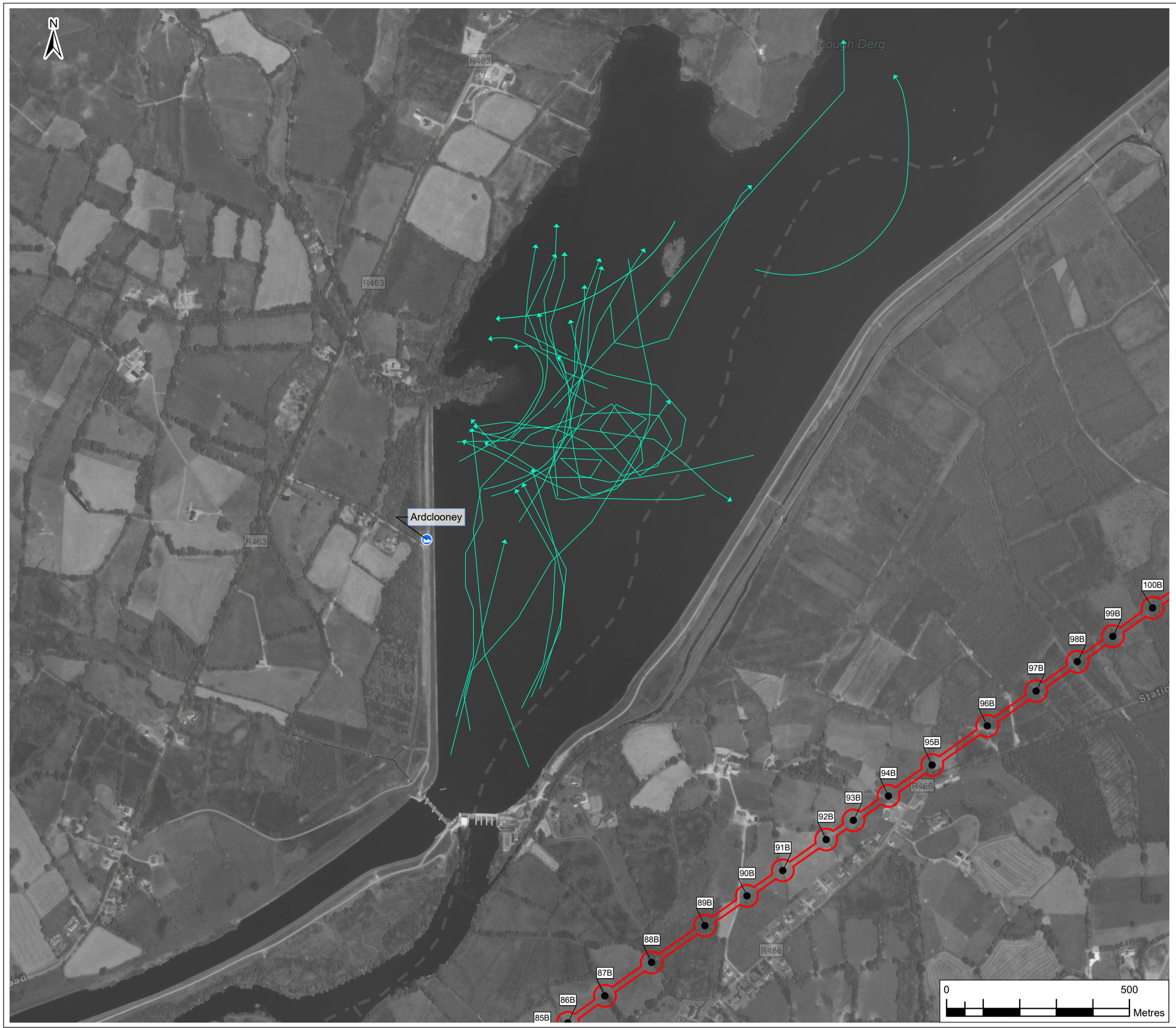
Drawing Title: Annex B Figure 69
38kV Winter Vantage Point Surveys -
Tufted Duck 2019 to 2025
Sheet 1 of 2

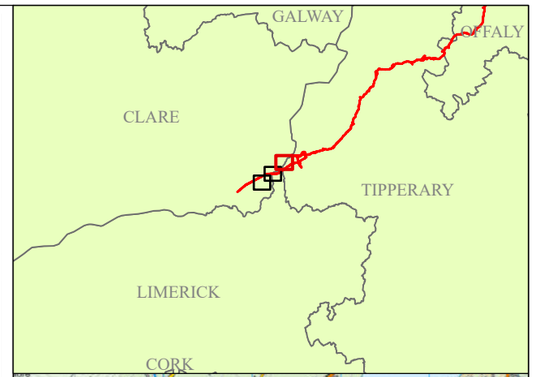
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

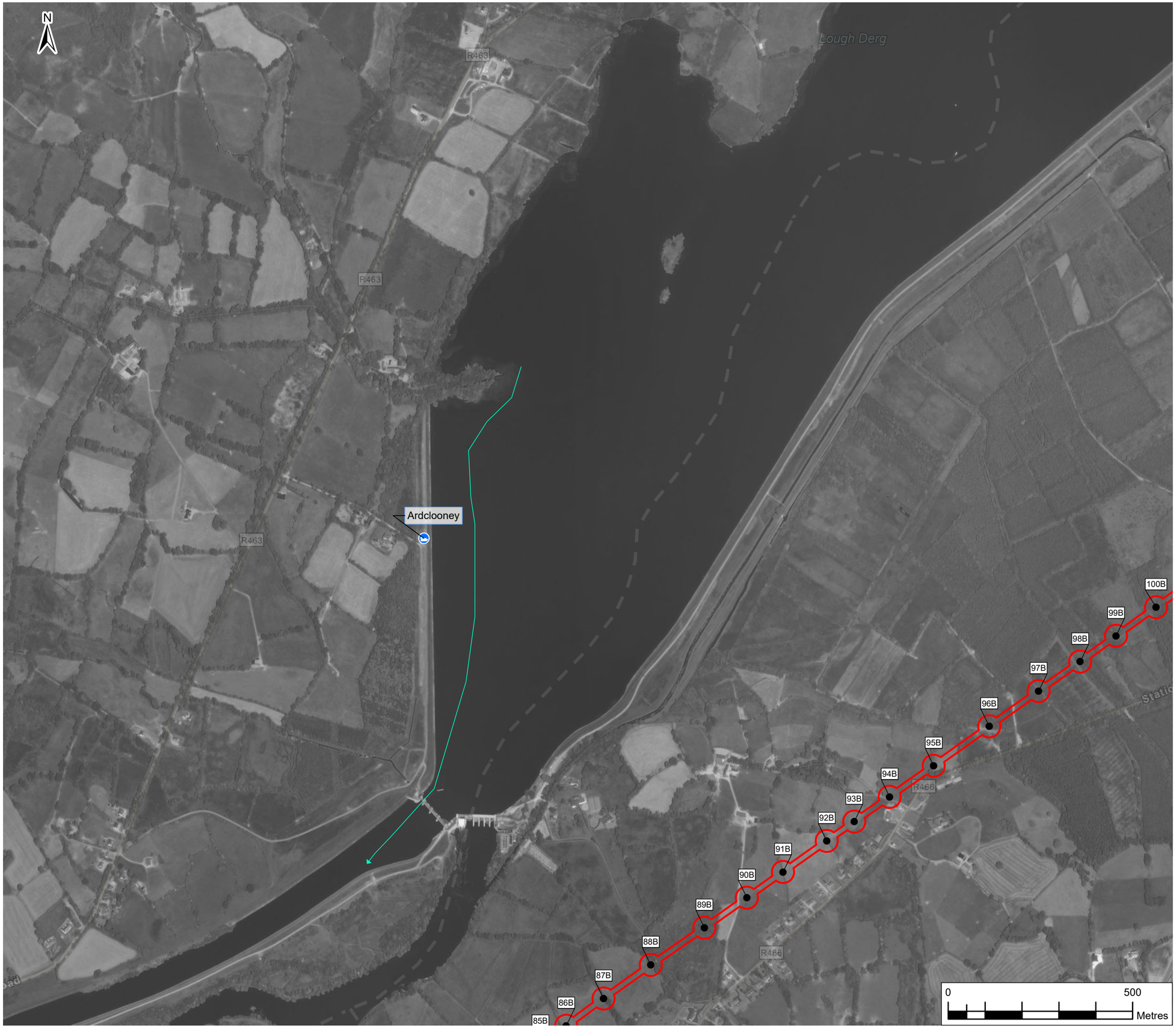
Annex B Figure 70
38kV Winter Vantage Point Surveys -
Tufted Duck 2019 to 2025
Sheet 2 of 2

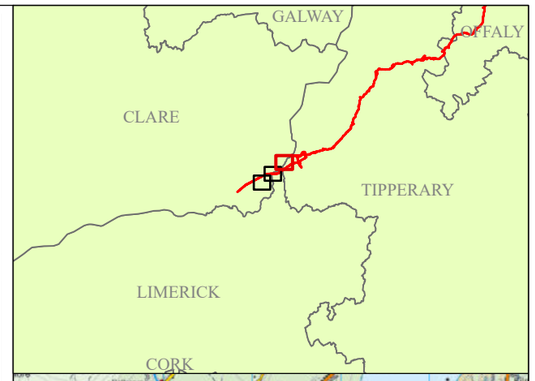
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 71
38kV Winter Vantage Point Surveys -
White-tailed Eagle 2019 to 2025
Sheet 1 of 1

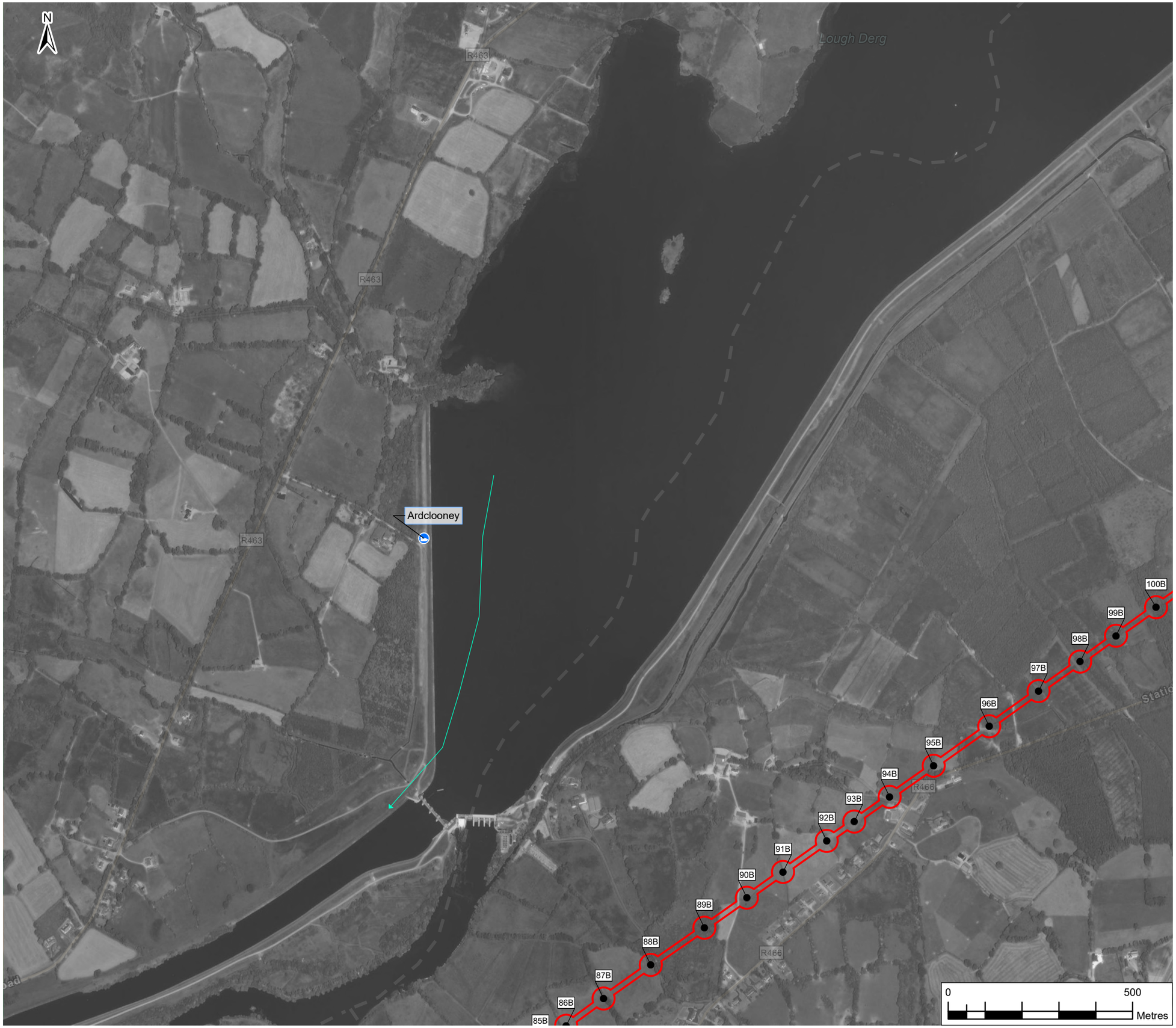
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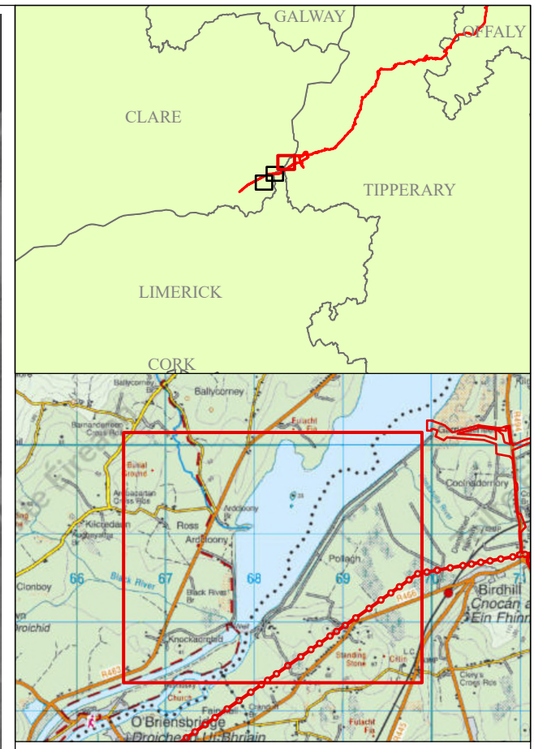
Final - Planning Application

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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

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F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

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Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 72
38kV Winter Vantage Point Surveys -
Whimbrel 2019 to 2025
Sheet 1 of 1

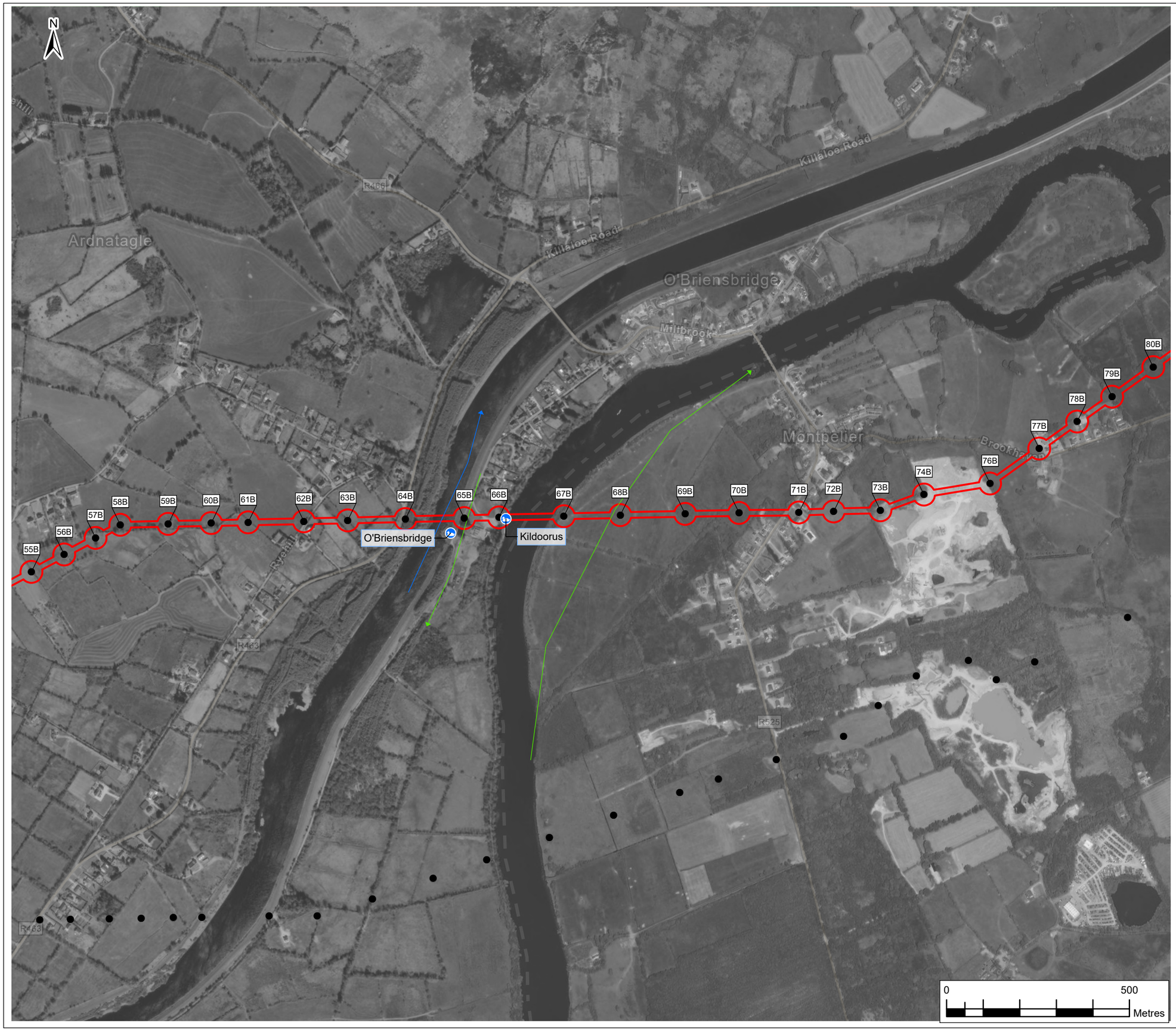
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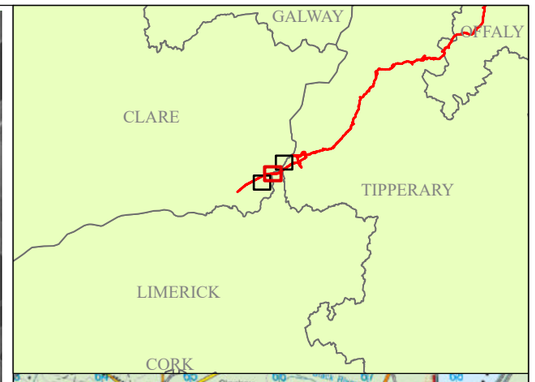
Final - Planning Application

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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above
- Below

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

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Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

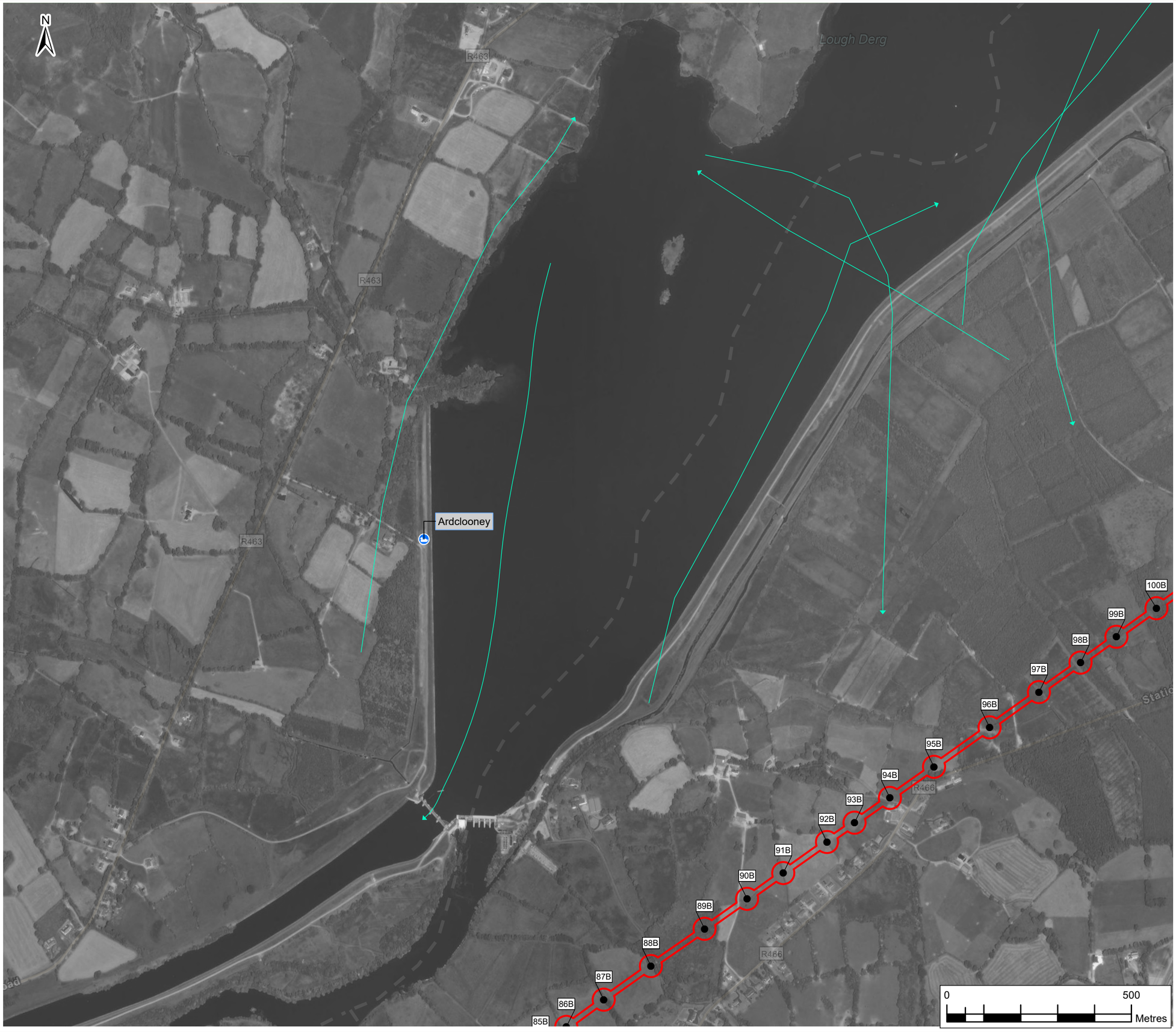
Annex B Figure 73
38kV Winter Vantage Point Surveys -
Whooper Swan 2019 to 2025
Sheet 1 of 2

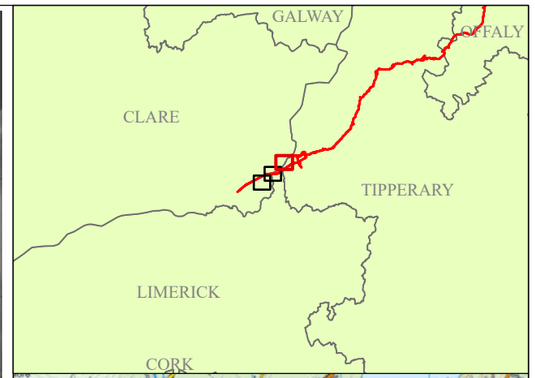
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- N/A

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

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Project: Water Supply Project
Eastern and Midlands Region

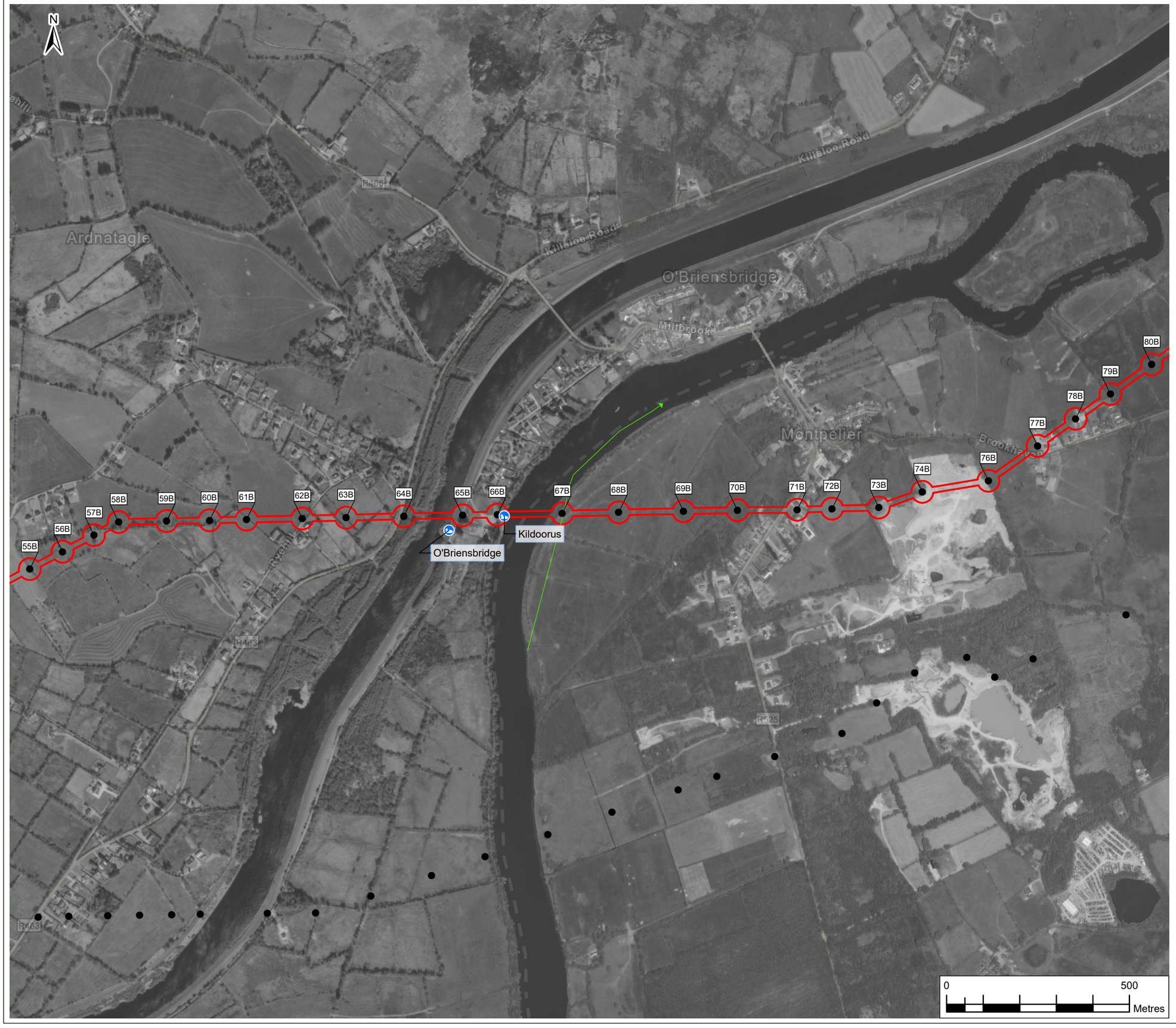
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38kV Winter Vantage Point Surveys -
Whooper Swan 2019 to 2025
Sheet 2 of 2

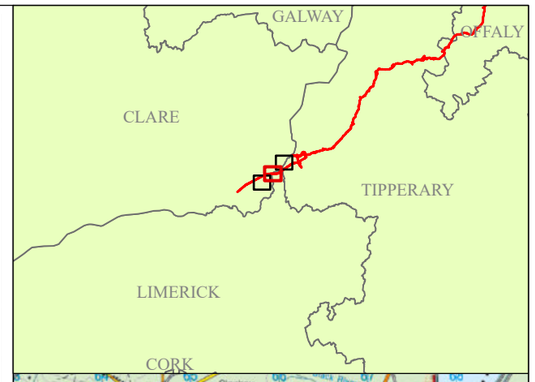
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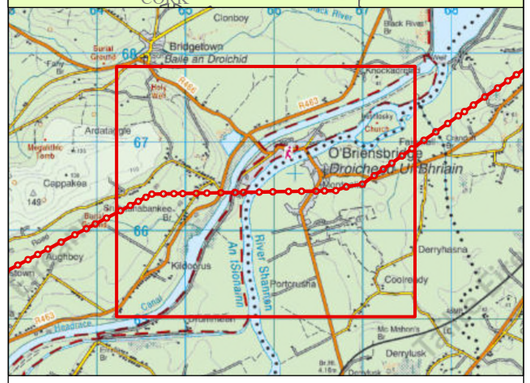
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Legend

- Planning Application Boundary
- 38kV VP Sites
- Existing Poleset

Flight height

- Above

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F02	08/10/25	Final - Planning Application	SP	JS	LK	SW

Jacobs TOBIN

Client

Uisce Éireann Irish Water

Tionscadal Soláthair Uisce Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Annex B Figure 75
38kV Winter Vantage Point Surveys -
Grey Wagtail 2019 to 2025
Sheet 1 of 1

Drawing Status: Final - Planning Application

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Annex C. Survey Data

Winter Bird Survey Results – 2015/2016

	October 2015 I-WeBS Corridor Route										
Survey	**Species BTO Code**	**H.**	**MA**	**K.**	**TU**	**T.**	**CO**	**GP**	**L.**	**BH**	**LB**
	Subsite Name	**Grey Heron**	**Mallard**	**Kestrel**	**Tufted Duck**	**Teal**	**Coot**	**Golden Plover**	**Lapwing**	**Black-headed Gull**	**Lesser Black-backed Gull**
I-WeBS Corridor Route	Lough Eorna	1	15		20	25	15		3	80	1
I-WeBS Corridor Route	Ardcrony										
I-WeBS Corridor Route	Coolderry							180	380		
I-WeBS Corridor Route	Little Brosna (Brosna Br)			1							
	Grand Total	**1**	**15**	**1**	**20**	**25**	**15**	**180**	**383**	**80**	**1**

	November 2015 I-WeBS Corridor Route						
Survey	**Species BTO Code**	**MS**	**MA**	**SN**	**K.**	**H.**	**MH**
	Subsite Name	**Mute Swan**	**Mallard**	**Snipe**	**Kestrel**	**Grey Heron**	**Moorhen**
I-WeBS Corridor Route	K Club (Liffey at Straffan Br)		1			1	1
I-WeBS Corridor Route	Ticknevin Bridge				1		
I-WeBS Corridor Route	Grand Canal	5					
I-WeBS Corridor Route	Esker More			1			
I-WeBS Corridor Route	Donadea Forest Park				1		
	Grand Total	**5**	**1**	**1**	**2**	**1**	**1**

	December 2015 I-WeBS Corridor Route								
Survey	**Species BTO Code**	**LG**	**CO**	**H.**	**MH**	**WS**	**TU**	**BH**	**SV**
	Subsite Name	**Little Grebe**	**Coot**	**Grey Heron**	**Moorhen**	**Whooper Swan**	**Tufted Duck**	**Black-headed Gull**	**Shoveler**
I-WeBS Corridor Route	Lough Eorna	5	20	1	4		2	7	3
I-WeBS Corridor Route	Coolderry					31			
	Grand Total	**5**	**20**	**1**	**4**	**31**	**2**	**7**	**3**

	January 2016 I-WeBS Corridor Route														
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**MS**	**MA**	**TU**	**HG**	**WN**	**LB**	**CO**	**L.**	**BH**	**K.**	**WS**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Mute Swan**	**Mallard**	**Tufted Duck**	**Herring Gull**	**Wigeon**	**Lesser Black-backed Gull**	**Coot**	**Lapwing**	**Black- headed Gull**	**Kestrel**	**Whooper Swan**
I-WeBS Corridor Route	Nenagh River Ballyartella Br.			2											
I-WeBS Corridor Route	Lough Eorna	3	1				50				5				
I-WeBS Corridor Route	Ardcrony								150			200	30		
I-WeBS Corridor Route	Coolderry														96
I-WeBS Corridor Route	Lugmore													1	
I-WeBS Corridor Route	Kilcolman											60			
I-WeBS Corridor Route	Derrinboy					8									
I-WeBS Corridor Route	Rathlumber											1			
I-WeBS Corridor Route	Grand Canal at Ardclough				3					3					
I-WeBS Corridor Route	Drehid							2							
	Grand Total	**3**	**1**	**2**	**3**	**8**	**50**	**2**	**150**	**3**	**5**	**261**	**30**	**1**	**96**

	February 2016 I-WeBS Corridor Route														
Survey	**Species BTO Code**	**LG**	**H.**	**MS**	**WN**	**GP**	**T.**	**MA**	**SV**	**TU**	**PO**	**BZ**	**CO**	**L.**	**BH**	**K.**
	Subsite Name	**Little Grebe**	**Grey Heron**	**Mute Swan**	**Wigeon**	**Golden Plover**	**Teal**	**Mallard**	**Shoveler**	**Tufted Duck**	**Pochard**	**Buzzard**	**Coot**	**Lapwing**	**Black-headed Gull**	**Kestrel**
I-WeBS Corridor Route	Lough Eorna	6					37	10		93	7		12		200	
I-WeBS Corridor Route	Ardcrony		2	2	61	370	16	3	5					31		
I-WeBS Corridor Route	Coolderry														160	
I-WeBS Corridor Route	Ballinaderry		1													1
I-WeBS Corridor Route	Glasderry Woods	2						3				1	1			
I-WeBS Corridor Route	Sedgemoor														250	
	Grand Total	**8**	**3**	**2**	**61**	**370**	**53**	**16**	**5**	**93**	**7**	**1**	**13**	**31**	**610**	**1**

	March 2016 I-WeBS Corridor Route											
Survey	**Species BTO Code**	**MS**	**BW**	**T.**	**MA**	**TU**	**CO**	**BH**	**WN**	**MH**	**LG**	**SV**
	Subsite Name	**Mute Swan**	**Black-tailed Godwit**	**Teal**	**Mallard**	**Tufted Duck**	**Coot**	**Black-headed Gull**	**Wigeon**	**Moorhen**	**Little Grebe**	**Shoveler**
I-WeBS Corridor Route	Lough Eorna	2			4	27	13	105		1	5	
I-WeBS Corridor Route	Ardcrony		1	23					13			2
I-WeBS Corridor Route	Glasderry Woods						1				1	
I-WeBS Corridor Route	Pallas Lough				4	3						
I-WeBS Corridor Route	Donadea Forest Park				11					4	5	
	Grand Total	**2**	**1**	**23**	**19**	**30**	**14**	**105**	**13**	**5**	**11**	**2**

	October 2015 I-WeBS Lough Derg													
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**MS**	**MA**	**TU**	**WS**	**MH**	**CO**	**L.**	**BH**	**LB**	**GJ**	**GB**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Mute Swan**	**Mallard**	**Tufted Duck**	**Whooper Swan**	**Moorhen**	**Coot**	**Lapwing**	**Black- headed Gull**	**Lesser Black-backed Gull**	**Graylag Goose**	**Great Black-backed Gull**
I-WeBS Lough Derg	Terryglass					13						1			
I-WeBS Lough Derg	Ballycuggeran Bay			3	43	21						24		1	
I-WeBS Lough Derg	Ballyheefy			1	7		34			2					2
I-WeBS Lough Derg	Ducey's Harbour				3				3	3					
I-WeBS Lough Derg	Knockaphort (Ferry to Holy Island)			1	3		84		1	4					
I-WeBS Lough Derg	Bushy Island		1		1										
I-WeBS Lough Derg	Cloonoolia Bay A	4			4	4	62	12							
I-WeBS Lough Derg	Clery's Point									1					
I-WeBS Lough Derg	Portumna recreational park												1		
I-WeBS Lough Derg	Cloondadauv										40				
I-WeBS Lough Derg	Rossmore Pier		1	11	21		200								
I-WeBS Lough Derg	Old village			15								40		30	
	Grand Total	**4**	**2**	**31**	**82**	**38**	**380**	**12**	**4**	**10**	**40**	**65**	**1**	**31**	**2**

	November 2015 I-WeBS Lough Derg													
Survey	**Species BTO Code**	**LG**	**CA**	**MS**	**MH**	**MA**	**WS**	**TU**	**CO**	**L.**	**BH**	**K.**	**GP**	**GB**
	Subsite Name	**Little Grebe**	**Cormorant**	**Mute Swan**	**Moorhen**	**Mallard**	**Whooper Swan**	**Tufted Duck**	**Coot**	**Lapwing**	**Black-headed Gull**	**Kestrel**	**Golden Plover**	**Great Black-backed Gull**
I-WeBS Lough Derg	Terryglass					4								
I-WeBS Lough Derg	Gortmore		9	8										
I-WeBS Lough Derg	Mota										200			
I-WeBS Lough Derg	Brockagh Quay North of Mota		2	3				5	25		22			
I-WeBS Lough Derg	Skehanagh			4										
I-WeBS Lough Derg	Carrick								24					
I-WeBS Lough Derg	Dromineeer Bay	3	4						45	26	47			
I-WeBS Lough Derg	Ballyvaughan		1	2		30								
I-WeBS Lough Derg	Castletown		3								2			
I-WeBS Lough Derg	Townlough Viewpoint		18								4			
I-WeBS Lough Derg	Ballycuggeran Bay		1	15				40						
I-WeBS Lough Derg	Bunglasha Bay	1		4				1		1				
I-WeBS Lough Derg	Ducey's Harbour	1				7	13			1				
I-WeBS Lough Derg	Knockaphort (Ferry to Holy Island)							8						
I-WeBS Lough Derg	Cloonoolia Bay A			2				90						
I-WeBS Lough Derg	Clery's Point								20					
I-WeBS Lough Derg	Church Bay			4	1									
I-WeBS Lough Derg	Blackrock point	4	1	3	1			290	28	4		1		
I-WeBS Lough Derg	Kilcooney			2									60	
I-WeBS Lough Derg	Cloonmoylan harbour								10					
I-WeBS Lough Derg	Cloondadauv			2					40		30			1
I-WeBS Lough Derg	Towards spa lsd north	1					7							
I-WeBS Lough Derg	Rossmore Pier			2						175				
I-WeBS Lough Derg	Cameron Island Parking Point		2					14			1			
	Grand Total	**10**	**41**	**51**	**2**	**41**	**20**	**448**	**192**	**207**	**306**	**1**	**60**	**1**

	December 2015 I-WeBS Lough Derg																	
Survey	Species BTO Code	LG	GG	L.	CA	CO	GJ	GN	MS	MA	MH	WS	TU	K.	CO	BH	RK	GB
	Subsite Name	Little Grebe	Great Crested Grebe	Lapwing	Cormorant	Coot	Greylag Goose	Goldeneye	Mute Swan	Mallard	Moorhen	Whooper Swan	Tufted Duck	Kestrel	Coot	Black- headed Gull	Redshank	Great Black-backed Gull
I-WeBS Lough Derg	Ballyeiragh	4	2						3		2		30		320			
I-WeBS Lough Derg	Terryglass	1								25								
I-WeBS Lough Derg	Gortmore		1		25				7				230					
I-WeBS Lough Derg	Kilgarvan				2	5												
I-WeBS Lough Derg	Mota			50	2	1			4							20		
I-WeBS Lough Derg	Brockagh Quay North of Mota																	
I-WeBS Lough Derg	Bellevue			70	2				6	3		1						
I-WeBS Lough Derg	Skehanagh		2										145					
I-WeBS Lough Derg	Carrick																	
I-WeBS Lough Derg	Luska		2										35					
I-WeBS Lough Derg	Dromineeer Bay	2	4						5				61			25		
I-WeBS Lough Derg	Youghal Harbour		2		1				11				69					
I-WeBS Lough Derg	Garrykennedy Harbour								2	30						10		
I-WeBS Lough Derg	Castletown				2				2									
I-WeBS Lough Derg	Derry Demense				2				13									
I-WeBS Lough Derg	Ryninch															160		
I-WeBS Lough Derg	Ballycuggeran Bay														8	5		
I-WeBS Lough Derg	Ballyheefy		3															
I-WeBS Lough Derg	Bunglasha Bay		2		1										2			
I-WeBS Lough Derg	Small River east of Cloontymweenagh			80			40		4									
I-WeBS Lough Derg	Knockaphort (Ferry to Holy Island)	1			3	2		2										
I-WeBS Lough Derg	Mountshannon Quay	1							1							1		
I-WeBS Lough Derg	Cloonoolia Bay B								2				38	1				
I-WeBS Lough Derg	Clery's Point	2																
I-WeBS Lough Derg	Williamstown Harbour					1			1				44					
I-WeBS Lough Derg	Drummaan East												18					
I-WeBS Lough Derg	Portumna Marina				10	1												1
I-WeBS Lough Derg	Cloonmoylan harbour			150	2							5				7	12	
I-WeBS Lough Derg	N of Cloondadauv								5				100					

	December 2015 I-WeBS Lough Derg																
Survey	**Species BTO Code**	**LG**	**GG**	**L.**	**CA**	**CO**	**GJ**	**GN**	**MS**	**MA**	**MH**	**WS**	**TU**	**K.**	**CO**	**BH**	**RK**	**GB**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Lapwing**	**Cormorant**	**Coot**	**Greylag Goose**	**Goldeneye**	**Mute Swan**	**Mallard**	**Moorhen**	**Whooper Swan**	**Tufted Duck**	**Kestrel**	**Coot**	**Black- headed Gull**	**Redshank**	**Great Black-backed Gull**
I-WeBS Lough Derg	Rossmore Pier											1	14					1
I-WeBS Lough Derg	Old village	1			3								11					
I-WeBS Lough Derg	Illanaboe																	
I-WeBS Lough Derg	Ardcrony			20														
	Grand Total	**12**	**18**	**370**	**55**	**10**	**40**	**2**	**66**	**58**	**2**	**7**	**795**	**1**	**330**	**228**	**12**	**2**

	January 2016 I-WeBS Lough Derg																
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**H.**	**GN**	**MS**	**MA**	**MH**	**T.**	**TU**	**GJ**	**GB**	**LB**	**CO**	**L.**	**BH**	**WS**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Grey Heron**	**Goldeneye**	**Mute Swan**	**Mallard**	**Moorhen**	**Teal**	**Tufted Duck**	**Greylag Goose**	**Great Black-backed Gull**	**Lesser Black-backed Gull**	**Coot**	**Lapwing**	**Black- headed Gull**	**Whooper Swan**
I-WeBS Lough Derg	Terryglass			1														
I-WeBS Lough Derg	Drominagh	1		1														
I-WeBS Lough Derg	Mota	5	2	5				1			50							
I-WeBS Lough Derg	Brockagh Quay North of Mota			2							7				1		1	
I-WeBS Lough Derg	Dromineeer Bay						1				15				2		6	
I-WeBS Lough Derg	Garrykennedy Harbour							4	1								24	
I-WeBS Lough Derg	Townlough Viewpoint			2														
I-WeBS Lough Derg	Ballycuggeran Bay	1	1	5		3	9	41			19		2	2	18	1	55	
I-WeBS Lough Derg	Ballyheefy			1														
I-WeBS Lough Derg	Bunglasha Bay		1					7			2				3			
I-WeBS Lough Derg	Ducey's Harbour	1		1				2			48		1		12	1		
I-WeBS Lough Derg	Small River east of Cloontymweenagh						5											25
I-WeBS Lough Derg	Knockaphort (Ferry to Holy Island)		1					1			35			1	2			1
I-WeBS Lough Derg	Cloonoolia Bay A					6		5										
I-WeBS Lough Derg	Cloonoolia Bay B							5										
I-WeBS Lough Derg	Clery's Point	3					2	1	1		28				2	3		

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	January 2016 I-WeBS Lough Derg																	
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**H.**	**GN**	**MS**	**MA**	**MH**	**T.**	**TU**	**GJ**	**GB**	**LB**	**CO**	**L.**	**BH**	**WS**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Grey Heron**	**Goldeneye**	**Mute Swan**	**Mallard**	**Moorhen**	**Teal**	**Tufted Duck**	**Greylag Goose**	**Great Black-backed Gull**	**Lesser Black-backed Gull**	**Coot**	**Lapwing**	**Black- headed Gull**	**Whooper Swan**
I-WeBS Lough Derg	Church Bay							2			12				6			
I-WeBS Lough Derg	Blackrock point		1								10		1	1				
I-WeBS Lough Derg	Williamstown Harbour				1		2	2		16	26				4			
I-WeBS Lough Derg	Portumna recreational park				11						4						13	
I-WeBS Lough Derg	Rossmore Pier						2							1			250	
I-WeBS Lough Derg	Old village						2											
I-WeBS Lough Derg	Claree Lough (North)						2											
I-WeBS Lough Derg	Claree Lough (South)						1					42						
I-WeBS Lough Derg	Flood at Gortmungo						2		1	7					1			
I-WeBS Lough Derg	Glenbower	1		2			12				38							
I-WeBS Lough Derg	Portumna Bridge						2										89	
	Grand Total	**12**	**6**	**20**	**12**	**9**	**42**	**71**	**3**	**23**	**294**	**42**	**4**	**5**	**51**	**5**	**349**	**26**

	February 2016 I-WeBS Lough Derg																		
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**CM**	**H.**	**MS**	**GJ**	**T.**	**MA**	**TU**	**GN**	**MH**	**CO**	**L.**	**CU**	**BH**	**LB**	**K.**	**WS**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Common Gull**	**Grey Heron**	**Mute Swan**	**Greylag Goose**	**Teal**	**Mallard**	**Tufted Duck**	**Goldeneye**	**Moorhen**	**Coot**	**Lapwing**	**Curlew**	**Black- headed Gull**	**Lesser Black-backed Gull**	**Kestrel**	**Whooper Swan**
I-WeBS Lough Derg	Terryglass			1			3			12	1						24			
I-WeBS Lough Derg	Gortmore			56			10				10			4						
I-WeBS Lough Derg	Kilgarvan						5				14			1						
I-WeBS Lough Derg	Mota			8			2							3			1			
I-WeBS Lough Derg	Skehanagh						4				70						41			
I-WeBS Lough Derg	Carrick		2	1			3				20			10			20			
I-WeBS Lough Derg	Dromineeer Bay	1	1	1			4				1						21			

	February 2016 I-WeBS Lough Derg																		
Survey	Species BTO Code	LG	GG	CA	CM	H.	MS	GJ	T.	MA	TU	GN	MH	CO	L.	CU	BH	LB	K.	WS
	Subsite Name	Little Grebe	Great Crested Grebe	Cormorant	Common Gull	Grey Heron	Mute Swan	Greylag Goose	Teal	Mallard	Tufted Duck	Goldeneye	Moorhen	Coot	Lapwing	Curlew	Black- headed Gull	Lesser Black-backed Gull	Kestrel	Whooper Swan
I-WeBS Lough Derg	Garrykennedy Harbour			1			4										21			
I-WeBS Lough Derg	Castletown			1			12										10			
I-WeBS Lough Derg	Townlough Viewpoint		3	2			8				20			10						
I-WeBS Lough Derg	Ballycuggeran Bay						3				3						42			
I-WeBS Lough Derg	Bunglasha Bay	1	1				2				21			5				1		
I-WeBS Lough Derg	Ducey's Harbour		1				1				12			6				2		
I-WeBS Lough Derg	Small River east of Cloontymweenagh																			3
I-WeBS Lough Derg	Knockaphort (Ferry to Holy Island)						1				28			3						
I-WeBS Lough Derg	Cloonoolia Bay A				1		2				9						11			
I-WeBS Lough Derg	Clery's Point		2	1			4					1		3	10					
I-WeBS Lough Derg	Church Bay			1							42		2	12						
I-WeBS Lough Derg	Blackrock point		1				2				10			2						
I-WeBS Lough Derg	Williamstown Harbour		2				2				52			4						
I-WeBS Lough Derg	Portumna recreational park		1	1			2													
I-WeBS Lough Derg	Rossmore Pier			1		1	10	36			16					24				
I-WeBS Lough Derg	Old village						4			2				2	26			2		
I-WeBS Lough Derg	Claree Lough (South)							55												2
I-WeBS Lough Derg	Flood at Gortmungo			2		1			16				1							
I-WeBS Lough Derg	Portumna Bridge						2										40			
I-WeBS Lough Derg	Carrigahorig																		1	
I-WeBS Lough Derg	Clooninhy																		1	
	Grand Total	**2**	**14**	**77**	**1**	**2**	**90**	**91**	**16**	**14**	**329**	**1**	**2**	**65**	**36**	**24**	**231**	**5**	**2**	**5**

Survey	March 2016 I-WeBS Lough Derg																			
	Species BTO Code	GG	CA	H.	MS	MA	TU	CO	BH	CM	GJ	MH	GB	LG	SN	K.	GN	T.	LB	WS	SV
	Subsite Name	Great Crested Grebe	Cormorant	Grey Heron	Mute Swan	Mallard	Tufted Duck	Coot	Black- headed Gull	Common Gull	Greylag Goose	Moorhen	Great Black-backed Gull	Little Grebe	Snipe	Kestrel	Goldeneye	Teal	Lesser Black-backed Gull	Whooper Swan	Shoveler
I-WeBS Lough Derg	Terryglass				1	4	15		40		1			1							
I-WeBS Lough Derg	Gortmore		2		23		4									1					
I-WeBS Lough Derg	Mota	1	9		1		5											1			
I-WeBS Lough Derg	Bellevue																				
I-WeBS Lough Derg	Skehanagh		4		4		33	3	10		7										
I-WeBS Lough Derg	Luska	5	1		4		6	2											1		
I-WeBS Lough Derg	Dromineeer Bay				1			2	11												
I-WeBS Lough Derg	Garrykennedy Harbour				2	6			5												
I-WeBS Lough Derg	Castletown		2		3				9												
I-WeBS Lough Derg	Townlough Viewpoint		1		6																
I-WeBS Lough Derg	Ballycuggeran Bay	1			5	6	11														
I-WeBS Lough Derg	Ballyheefy	2	1		2						3										
I-WeBS Lough Derg	Ducey's Harbour		1	1			3			4											
I-WeBS Lough Derg	Small River east of Cloontymweenagh																			9	
I-WeBS Lough Derg	Knockaphort (Ferry to Holy Island)	3			2		30	4			12						2	4			
I-WeBS Lough Derg	Cloonoolia Bay A	2			1	3	16		4	1											
I-WeBS Lough Derg	Cloonoolia Bay B								4	1		1	2	3	16						
I-WeBS Lough Derg	Clery's Point	1	1		4	1			1												
I-WeBS Lough Derg	Church Bay	2			1		16	8				4									
I-WeBS Lough Derg	Blackrock point			1	2		2	3			2										
I-WeBS Lough Derg	Rinskea				2																
I-WeBS Lough Derg	Portumna recreational park				4		5		3					1							
I-WeBS Lough Derg	Cloonmoylan harbour				2																
I-WeBS Lough Derg	Cloondadauv	2				1															
I-WeBS Lough Derg	Rossmore Pier	4	42		5		46	3	280		28		2					10	2		
I-WeBS Lough Derg	Old village	1					5	2	1												
I-WeBS Lough Derg	Claree Lough (South)					2					25										
I-WeBS Lough Derg	Poulawee Lough																				2

	March 2016 I-WeBS Lough Derg																			
Survey	Species BTO Code	GG	CA	H.	MS	MA	TU	CO	BH	CM	GJ	MH	GB	LG	SN	K.	GN	T.	LB	WS	SV
	Subsite Name	Great Crested Grebe	Cormorant	Grey Heron	Mute Swan	Mallard	Tufted Duck	Coot	Black- headed Gull	Common Gull	Greylag Goose	Moorhen	Great Black-backed Gull	Little Grebe	Snipe	Kestrel	Goldeneye	Teal	Lesser Black-backed Gull	Whooper Swan	Shoveler
	Grand Total	24	64	2	75	23	197	27	368	6	78	5	4	5	16	1	2	15	3	9	2

	October 2015 I-WeBS Parteen Basin							
Survey	Species BTO Code	LG	CA	MS	TU	BH	PO	GE
	Subsite Name	Little Grebe	Cormorant	Mute Swan	Tufted Duck	Black-headed Gull	Pochard	Green Sandpiper
I-WeBS Parteen Basin	Parteen 1							
I-WeBS Parteen Basin	Parteen 2	21	2	3	20			
I-WeBS Parteen Basin	Parteen 3		2		890	10	2	
I-WeBS Parteen Basin	Parteen 4							
I-WeBS Parteen Basin	Parteen (tailrace)							
I-WeBS Parteen Basin	Parteen (O' Brien's Bridge)			3		20		1
	Grand Total	**21**	**4**	**3**	**910**	**10**	**2**	**1**

	November 2015 I-WeBS Parteen Basin																	
Survey	Species BTO Code	LG	GG	CA	H.	MS	GJ	MA	TU	GN	CO	L.	RK	BH	LB	WM	CU	WS
	Subsite Name	Little Grebe	Great Crested Grebe	Cormorant	Grey Heron	Mute Swan	Greylag Goose	Mallard	Tufted Duck	Goldeneye	Coot	Lapwing	Redshank	Black- headed Gull	Lesser Black-backed Gull	Whimbrel	Curlew	Whooper Swan
I-WeBS Parteen Basin	Parteen 1	16		2	1			15		4				41	4			
I-WeBS Parteen Basin	Parteen 2		1	26	1	48		2	2198	6	11			15		2		
I-WeBS Parteen Basin	Parteen 3					2			650									

	November 2015 I-WeBS Parteen Basin																
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**H.**	**MS**	**GJ**	**MA**	**TU**	**GN**	**CO**	**L.**	**RK**	**BH**	**LB**	**WM**	**CU**	**WS**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Grey Heron**	**Mute Swan**	**Greylag Goose**	**Mallard**	**Tufted Duck**	**Goldeneye**	**Coot**	**Lapwing**	**Redshank**	**Black- headed Gull**	**Lesser Black-backed Gull**	**Whimbrel**	**Curlew**	**Whooper Swan**
I-WeBS Parteen Basin	Parteen 4			20		41	1										6	4
I-WeBS Parteen Basin	Parteen (tailrace)					12							1					
I-WeBS Parteen Basin	Parteen (Killaloe Bridge)					1								16				
I-WeBS Parteen Basin	Parteen (O' Brien's Bridge)					1						4		17				
	Grand Total	**16**	**1**	**48**	**2**	**105**	**1**	**17**	**2848**	**10**	**11**	**4**	**1**	**89**	**4**	**2**	**6**	**4**

	December 2015 I-WeBS Parteen Basin															
Survey	**Species BTO Code**	**LG**	**GG**	**CA**	**H.**	**MS**	**GJ**	**MA**	**TU**	**CO**	**L.**	**RK**	**CM**	**PO**	**CU**	**T.**
	Subsite Name	**Little Grebe**	**Great Crested Grebe**	**Cormorant**	**Grey Heron**	**Mute Swan**	**Greylag Goose**	**Mallard**	**Tufted Duck**	**Coot**	**Lapwing**	**Redshank**	**Common Gull**	**Pochard**	**Curlew**	**Teal**
I-WeBS Parteen Basin	Parteen 1															
I-WeBS Parteen Basin	Parteen 2	5	3	2	1	29		20	220		30					
I-WeBS Parteen Basin	Parteen 3			9		32	17		607	205		1	1	30	3	4
I-WeBS Parteen Basin	Parteen 4					2										
I-WeBS Parteen Basin	Parteen (tailrace)															
I-WeBS Parteen Basin	Parteen (O' Brien's Bridge)			2		5		1			110					
	Grand Total	**5**	**3**	**13**	**1**	**68**	**17**	**21**	**827**	**205**	**140**	**1**	**1**	**30**	**3**	**4**

	January 2016 I-WeBS Parteen Basin															
Survey	Species BTO Code	LG	GG	CA	H.	MS	GJ	MA	TU	GN	L.	BH	LB	BG	K.	WS
	Subsite Name	Little Grebe	Great Crested Grebe	Cormorant	Grey Heron	Mute Swan	Graylag Goose	Mallard	Tufted Duck	Goldeneye	Lapwing	Black-headed Gull	Great Black-backed Gull	Whooper Swan	Moorhen	Little Grebe
I-WeBS Parteen Basin	Parteen 1			3	1			3				108				
I-WeBS Parteen Basin	Parteen 2		4	3	1	9		7	107	3		250	32			8
I-WeBS Parteen Basin	Parteen 3	1	2	54	11	31	30	3	300	6	62	355		6	1	17
I-WeBS Parteen Basin	Parteen 4															
I-WeBS Parteen Basin	Parteen (tailrace)															
I-WeBS Parteen Basin	Parteen (O' Brien's Bridge)			13	1	5		4				227		6		3
	Grand Total	**1**	**6**	**73**	**14**	**45**	**30**	**17**	**407**	**9**	**62**	**940**	**32**	**12**	**1**	**28**

	March 2016 I-WeBS Parteen Basin														
	Species BTO Code	LG	GG	CA	H.	MS	GJ	MA	TU	GN	CO	BH	CM	LB	WS
Survey	Subsite Name	Little Grebe	Great Crested Grebe	Cormorant	Grey Heron	Mute Swan	Greylag Goose	Mallard	Tufted Duck	Goldeneye	Coot	Black-headed Gull	Common Gull	Lesser Black-backed Gull	Whooper Swan
I-WeBS Parteen Basin	Parteen 1		2	9		5	4	27	37		1	103		7	2
I-WeBS Parteen Basin	Parteen 2	1	4	21	6	13	15	15	70	5		5	18		
I-WeBS Parteen Basin	Parteen 3					6	7		66						
I-WeBS Parteen Basin	Parteen 4											5			
I-WeBS Parteen Basin	Parteen (tailrace)														
I-WeBS Parteen Basin	Parteen (O' Brien's Bridge)											5			
	Grand Total	**1**	**6**	**30**	**6**	**24**	**26**	**42**	**173**	**5**	**1**	**118**	**18**	**7**	**2**

Winter Bird Survey Results – 2016/2017

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Early November 2016																						
Survey	Species BTO Code	BH	BZ	CA	CO	CU	ET	GB	GG	GJ	GN	H.	K.	L.	LB	LG	MA	MS	SN	TU	WA	WE	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Curlew	Little Egret	Great Black-backed Gull	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kestrel	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Snipe	Tufted Duck	Water Rail	White Tailed Sea Eagle	Whooper Swan
	Subsite Name																						
I-WeBS L. Derg	Ballycuggeran Bay	26							1								9	12		3			
I-WeBS L. Derg	Ballyeiragh	56																					
I-WeBS L. Derg	Ballyheefy	5		1							1	1						6	2	96			
I-WeBS L. Derg	Bearoge Island	1		3	2			1	2							1	5	7		4			
I-WeBS L. Derg	Bellevue	5			8															16	1		
I-WeBS L. Derg	Blackrock Point			8	26		1									5		3		48			
I-WeBS L. Derg	Bunglasha Bay	8		16	36													8		74			
I-WeBS L. Derg	Castletown			2														6					
I-WeBS L. Derg	Church Bay				46							1				1				1			
I-WeBS L. Derg	Clareen Lough									62													
I-WeBS L. Derg	Clerys Point			6	25								1	27			1			111			
I-WeBS L. Derg	Cloonmoylan Harbour				1												4			4			
I-WeBS L. Derg	Cloondadauv 36	31							6									1		2			
I-WeBS L. Derg	Cloondadauv 38	7																		10			
I-WeBS L. Derg	Cloonolia Bay A	4			21		1										8	6		101			24
I-WeBS L. Derg	Cloonolia Bay B			1																31			4
I-WeBS L. Derg	Derry Demesne			10														8					
I-WeBS L. Derg	Derryoober East				3													3		8			
I-WeBS L. Derg	Dromineer Bay	37			98									28	2	8		5		25			
I-WeBS L. Derg	Duceys Harbour			1	5													2					
I-WeBS L. Derg	Garykennedy Harbour	30													2		2						
I-WeBS L. Derg	Gortmore	6		1				1										6					
I-WeBS L. Derg	Kilgarvan	21			14				1							6		5		18			
I-WeBS L. Derg	Knockaphort	6		4	41				3									4		24		2	3
I-WeBS L. Derg	Luska		1		82								1	48				3		51			
I-WeBS L. Derg	Old Village			16																1			
I-WeBS L. Derg	Rinmaher Point			10	5													2		18	1		
I-WeBS L. Derg	Rinskea	2		1		2				12							2						11
I-WeBS L. Derg	Rossmore Pier	2		1																			
I-WeBS L. Derg	Ryninch	4		3														22					
I-WeBS L. Derg	Silver Island	5		13										39			2	1		1			
I-WeBS L. Derg	Skehanagh	7	1	1													2	2		33			
I-WeBS L. Derg	Terryglass	21		1												1		5					
I-WeBS L. Derg	Towards Spa Isd North	98		1										67		3		1					
I-WeBS L. Derg	Youghal Harbour	6			9										1	1				11			

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Early November 2016																						
Survey	Species BTO Code	BH	BZ	CA	CO	CU	ET	GB	GG	GJ	GN	H.	K.	L.	LB	LG	MA	MS	SN	TU	WA	WE	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Curlew	Little Egret	Great Black-backed Gull	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kestrel	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Snipe	Tufted Duck	Water Rail	White Tailed Sea Eagle	Whooper Swan
	Subsite Name																						
	Grand Total[1]	**388**	**2**	**100**	**422***	**2**	**2**	**2**	**13**	**74***	**1**	**2**	**2**	**209**	**5**	**26**	**33**	**118***	**2**	**690***	**4**	**2**	**46**

Early November 2016															
Survey	Species BTO Code	BH	CA	CO	GG	GN	H.	KF	LB	LG	MA	MH	MS	PO	TU	WN
	Species Name	Black-headed Gull	Cormorant	Coot	Great-crested Grebe	Goldeneye	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Pochard	Tufted Duck	Wigeon
	Subsite Name															
I-WeBS Parteen	Ardcloony		31		3		2	1					11	12	81	7
I-WeBS Parteen	Clarisford Park				1		1	1	1	34		6	3		72	
I-WeBS Parteen	O'Briensbridge	60	3	4							25				2	
I-WeBS Parteen	Parteen		1										3			
I-WeBS Parteen	Parteen Sluice	21	4		3	1							8			
	Grand Total[1]	**81**	**39**	**4**	**7**	**1**	**3**	**2**	**1**	**34***	**25**	**6**	**25**	**12**	**155**	**7**

Late November 2016																							
Survey	Species BTO Code	BH	BZ	CA	CO	ET	GB	GG	GJ	GN	H.	HG	K.	L.	LG	MA	MH	MS	SN	TU	WA	WN	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great Black-backed Gull	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Herring Gull	Kestrel	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Tufted Duck	Water Rail	Wigeon	Whooper Swan
	Subsite Name																						
I-WeBS L. Derg	Ballycuggeran Bay	3		3	1													6					
I-WeBS L. Derg	Ballyeiragh	4																		10			
I-WeBS L. Derg	Ballyheefy	1		1						3		1						4			1		
I-WeBS L. Derg	Bearoge Island																1	1		10			
I-WeBS L. Derg	Bellevue	1			7															16			
I-WeBS L. Derg	Blackrock Point	3		12	20										1			2		58			
I-WeBS L. Derg	Bunglasha Bay			8	4			5										8		3			
I-WeBS L. Derg	Church Bay				5													3		3			
I-WeBS L. Derg	Clareen Lough	45		1					247									1					
I-WeBS L. Derg	Clerys Point			8	2					1					3	4		4		80			
I-WeBS L. Derg	Cloondadauv 36			1				1	6											4			

[1] **An Asterix (*) denotes that a species has met the 1% national threshold. An overview of these thresholds can be found in Appendix E.**
It is important to note that the I-WeBS counts were carried out over a two-day period, and so some species may have been counted twice erroneously.

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Late November 2016																						
Survey	Species BTO Code	BH	BZ	CA	CO	ET	GB	GG	GJ	GN	H.	HG	K.	L.	LG	MA	MH	MS	SN	TU	WA	WN	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great Black-backed Gull	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Herring Gull	Kestrel	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Tufted Duck	Water Rail	Wigeon	Whooper Swan
	Subsite Name																						
I-WeBS L. Derg	Cloondadauv 38			2	4																1		
I-WeBS L. Derg	Cloonmoylan Harbour			1				1	3											4			
I-WeBS L. Derg	Cloonoolia Bay A				1													4		24			
I-WeBS L. Derg	Cloonoolia Bay B			4	1													4		9			
I-WeBS L. Derg	Derry Demesne		2								1					9				1			
I-WeBS L. Derg	Derryoober East	17			8			2						26									
I-WeBS L. Derg	Dromineer Bay	12			31													4					
I-WeBS L. Derg	Duceys Harbour			2	4													4					
I-WeBS L. Derg	Garrykennedy Harbour	25		3			1								1	39		4					
I-WeBS L. Derg	Gortmore	1					1											8		16			
I-WeBS L. Derg	Harbour View				5																	2	
I-WeBS L. Derg	Kilcooney																	7					
I-WeBS L. Derg	Kilgarvan	1		2	16										12			3		21			
I-WeBS L. Derg	Knockaphort			7	1										1			4		25			23
I-WeBS L. Derg	Knockaphort B			2		1												2		42			
I-WeBS L. Derg	Luska							1					1				1	7		54			
I-WeBS L. Derg	Old Village			19	6											2	1	2	1				
I-WeBS L. Derg	Portumna Bay	8		2				1										1		7			
I-WeBS L. Derg	Rinmaher Point				2											4		2		12			
I-WeBS L. Derg	Rossmore Pier				16			3	37						2			4		48			
I-WeBS L. Derg	Ryninch			4														24					
I-WeBS L. Derg	Silver Island	7		1										4						23			
I-WeBS L. Derg	Skehanagh														1			7					
I-WeBS L. Derg	Terryglass	2		2	5										5					1			
I-WeBS L. Derg	Towards Spa Isd north	37																					
I-WeBS L. Derg	Youghal Harbour	2																4		24			
	Grand Total[1]	**169**	**2**	**85**	**139**	**1**	**2**	**14**	**293***	**4**	**1**	**1**	**1**	**30**	**26***	**58**	**3**	**124***	**1**	**495***	**2**	**2**	**23**

Late November 2016																
Survey	Species BTO Code	BH	CA	CO	ET	GB	GG	H.	HW	KF	LG	MA	MS	RK	TU	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great Black-backed Gull	Great-crested Grebe	Grey Heron	Great White Egret	Kingfisher	Little Grebe	Mallard	Mute Swan	Redshank	Tufted Duck	Whooper Swan
	Subsite Name															
I-WeBS Parteen	Ardcloony				1				1	1		12	4	1	50	

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Late November 2016																
Survey	Species BTO Code	BH	CA	CO	ET	GB	GG	H.	HW	KF	LG	MA	MS	RK	TU	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great Black-backed Gull	Great-crested Grebe	Grey Heron	Great White Egret	Kingfisher	Little Grebe	Mallard	Mute Swan	Redshank	Tufted Duck	Whooper Swan
	Subsite Name															
I-WeBS Parteen	Clarisford Park			50				1			20		8		21	2
I-WeBS Parteen	O'Briensbridge	21	5			1	3	1							50	
I-WeBS Parteen	Parteen	4														
	Grand Total[1]	**25**	**5**	**50**	**1**	**1**	**3**	**2**	**1**	**1**	**20***	**12**	**12**	**1**	**121**	**2**

December 2016																									
Survey	Species BTO Code	BH	BZ	CA	CO	ET	GA	GB	GG	GJ	GN	H.	K.	KF	L.	LG	MA	MH	ML	MS	ND	SH	TU	WA	WE	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Gadwall	Great Black-backed Gull	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kestrel	Kingfisher	Lapwing	Little Grebe	Mallard	Moorhen	Merlin	Mute Swan	Great Northern Diver	Sparrowhawk	Tufted Duck	Water Rail	White tailed sea eagle	Whooper Swan
	Subsite Name																									
I-WeBS L. Derg	Ballycuggeran Bay	8			3							1		1			14						2			
I-WeBS L. Derg	Ballyeiragh																			11						
I-WeBS L. Derg	Ballyheefy	1								8	2										1					
I-WeBS L. Derg	Bearoge Island				1											1								1	1	
I-WeBS L. Derg	Bellevue	6		2	10					17					15	6							120			
I-WeBS L. Derg	Blackrock Point			7	6							1						1					61			
I-WeBS L. Derg	Bunglasha Bay			1																2						
I-WeBS L. Derg	Castletown	2																								
I-WeBS L. Derg	Clerys Point			12							4				28					4			42			
I-WeBS L. Derg	Cloondadauv 36	12																	1	4			25			
I-WeBS L. Derg	Cloondadauv 38																			4						
I-WeBS L. Derg	Cloonmoylan Harbour									14					120					2			4			
I-WeBS L. Derg	Cloonoolia Bay A											1	1				5						22			3
I-WeBS L. Derg	Cloonoolia Bay B								2														17			4
I-WeBS L. Derg	Derry Demesne	25		5																3						
I-WeBS L. Derg	Derryoober East				1										67					1			11			
I-WeBS L. Derg	Dromineer Bay	24			44											1				2			42			
I-WeBS L. Derg	Duceys Harbour				5										27			1								49
I-WeBS L. Derg	Friary	200								2				1			12									
I-WeBS L. Derg	Garrykennedy Harbour	2		2																3						
I-WeBS L. Derg	Gortmore														45		2			12						
I-WeBS L. Derg	Harbour View				2										49		10			2				2	1	
I-WeBS L. Derg	Kilcooney																			6			28			

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December 2016																									
Survey	Species BTO Code	BH	BZ	CA	CO	ET	GA	GB	GG	GJ	GN	H.	K.	KF	L.	LG	MA	MH	ML	MS	ND	SH	TU	WA	WE	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Gadwall	Great Black-backed Gull	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kestrel	Kingfisher	Lapwing	Little Grebe	Mallard	Moorhen	Merlin	Mute Swan	Great Northern Diver	Sparrowhawk	Tufted Duck	Water Rail	White tailed sea eagle	Whooper Swan
	Subsite Name																									
I-WeBS L. Derg	Kilgarvan		1	8	17															2			25			
I-WeBS L. Derg	Knockaphort			5	8															3			54			
I-WeBS L. Derg	Luska				6				1														40			
I-WeBS L. Derg	Mountshannon Quay	2			6	1																	15			
I-WeBS L. Derg	Old Village																			2						5
I-WeBS L. Derg	Portumna Bay	4		5	2												2						2			
I-WeBS L. Derg	Rinmaher Point			1			4										2						17			
I-WeBS L. Derg	Rinskea			1	1																		17			
I-WeBS L. Derg	Rossmore Pier			2				2												16			60			
I-WeBS L. Derg	Ryninch	19																								
I-WeBS L. Derg	Silver Island	2					6								61					3						
I-WeBS L. Derg	Skehanagh																			8						
I-WeBS L. Derg	Still Island																			1						
I-WeBS L. Derg	Terryglass	16		1									1			4	12									
I-WeBS L. Derg	Towards Spa Isd north	11																				1				
I-WeBS L. Derg	Youghal Harbour	26		2	2				1											4			24			
	Grand Total[1]	**360**	**1**	**54**	**114**	**1**	**10**	**2**	**4**	**41**	**6**	**3**	**2**	**2**	**412**	**12**	**59**	**2**	**1**	**95***	**1**	**1**	**628***	**3**	**2**	**61**

December 2016										
Survey	Species BTO Code	BH	CA	CU	GB	KF	MA	MS	T.	TU
	Species Name	Black-headed Gull	Cormorant	Curlew	Great Black-backed Gull	Kingfisher	Mallard	Mute Swan	Teal	Tufted Duck
	Subsite Name									
I-WeBS Parteen	Ardcloony		4	7	1	1	4	4	5	220
I-WeBS Parteen	O'Briensbridge	52						1		
I-WeBS Parteen	Parteen Sluice	47								
	Grand Total[1]	**99**	**4**	**7**	**1**	**1**	**4**	**5**	**5**	**220**

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January 2017																				
Survey	Species BTO Code	BH	BZ	CA	CM	CO	ET	GA	GG	GJ	GN	H.	L.	LB	LG	MA	MH	MS	T.	TU	WE
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Little Egret	Gadwall	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck	White tailed sea eagle
	Subsite Name																				
I-WeBS L. Derg	Ballycuggeran Bay	25														15		6			
I-WeBS L. Derg	Ballyeiragh	12		1									21							85	
I-WeBS L. Derg	Ballyheefy	2																			
I-WeBS L. Derg	Bearoge Island			2											2			2			
I-WeBS L. Derg	Bellevue			1		17	1								3			1			
I-WeBS L. Derg	Blackrock Point					9									1			2		7	
I-WeBS L. Derg	Bunglasha Bay					7									3			2		35	
I-WeBS L. Derg	Castletown	6		2														2			
I-WeBS L. Derg	Church Bay					25									4			4		12	
I-WeBS L. Derg	Clareen Lough									67								1			
I-WeBS L. Derg	Clerys Point					24					1				1	6		3		68	
I-WeBS L. Derg	Cloondadauv 36	84				10			1						1					120	
I-WeBS L. Derg	Cloondadauv 38	21																			
I-WeBS L. Derg	Cloonmoylan Harbour	28		1		4				4			42					2			
I-WeBS L. Derg	Cloonoolia Bay A					7										10				6	
I-WeBS L. Derg	Cloonoolia Bay B															4		2		8	
I-WeBS L. Derg	Derry Demesne																	4			
I-WeBS L. Derg	Derryoober East					2									1	8		1			
I-WeBS L. Derg	Dromineer Bay	36				42		32					52	1				1			
I-WeBS L. Derg	Duceys Harbour																	5			
I-WeBS L. Derg	Friary	75				2										2		1			
I-WeBS L. Derg	Garrykennedy Harbour															2		2			
I-WeBS L. Derg	Gortmore	17				14							31			19		6		6	
I-WeBS L. Derg	Harbour View															2		2			
I-WeBS L. Derg	Kilgarvan			4		30									2			1		8	
I-WeBS L. Derg	Knockaphort					6					6				1					32	
I-WeBS L. Derg	Knockaphort B	7		1		6			2					1						25	1
I-WeBS L. Derg	Luska	40	1		35	17		32	1		4	2					1	2			
I-WeBS L. Derg	Old Village																			6	
I-WeBS L. Derg	Portumna Bay	8		4		2												4			
I-WeBS L. Derg	Rinmaher Point			20														2			
I-WeBS L. Derg	Rinskea																	1			
I-WeBS L. Derg	Rossmore Pier			29		6			1	36						4		2			
I-WeBS L. Derg	Ryninch	11		1														5			
I-WeBS L. Derg	Silver Island			2														2			

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January 2017																				
Survey	Species BTO Code	BH	BZ	CA	CM	CO	ET	GA	GG	GJ	GN	H.	L.	LB	LG	MA	MH	MS	T.	TU	WE
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Little Egret	Gadwall	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck	White tailed sea eagle
	Subsite Name																				
I-WeBS L. Derg	Skehanagh	11				16								3	1			12		14	2
I-WeBS L. Derg	Still Island												22								
I-WeBS L. Derg	Terryglass	17				14			1			1				4	1			16	
I-WeBS L. Derg	Towards Spa Isd north					3							120		1	8		1	34		
I-WeBS L. Derg	Youghal Harbour	17				5			1		1			1	1			16		15	
	Grand Total[1]	**417**	**1**	**68**	**35**	**268***	**1**	**64***	**7**	**107***	**12**	**3**	**288**	**6**	**22***	**84**	**2**	**97***	**34**	**463***	**3**

January 2017						
Survey	Species BTO Code	BH	LG	MA	PO	TU
	Species Name	Black-headed Gull	Little Grebe	Mallard	Pochard	Tufted Duck
	Subsite Name					
I-WeBS Parteen	Ardcloony	8			2	170
I-WeBS Parteen	Clarisford Park	8	5			4
I-WeBS Parteen	O'Briensbridge	12		6		
	Grand Total[1]	**28**	**5**	**6**	**2**	**174**

February 2017																						
Survey	Species BTO Code	BH	CA	CM	CO	ET	GG	GJ	GN	H.	KF	L.	LB	LG	MA	MH	ML	MS	PE	SH	T.	TU	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Little Egret	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Merlin	Mute Swan	Peregrine	Sparrowhawk	Teal	Tufted Duck	Whooper Swan
	Subsite Name																						
I-WeBS L. Derg	Ballycuggeran Bay	180													6			2					
I-WeBS L. Derg	Ballyeiragh	91			2													6				24	
I-WeBS L. Derg	Ballyheefy	7																2					
I-WeBS L. Derg	Blackrock Point	100			8										4							6	
I-WeBS L. Derg	Bunglasha Bay																	3					
I-WeBS L. Derg	Castletown	5																					
I-WeBS L. Derg	Church Bay				18					2				1		1		13					
I-WeBS L. Derg	Clerys Point				5													3				9	
I-WeBS L. Derg	Cloondadauv 36	250			2													3					

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February 2017																						
Survey	Species BTO Code	BH	CA	CM	CO	ET	GG	GJ	GN	H.	KF	L.	LB	LG	MA	MH	ML	MS	PE	SH	T.	TU	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Little Egret	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Merlin	Mute Swan	Peregrine	Sparrowhawk	Teal	Tufted Duck	Whooper Swan
	Subsite Name																						
I-WeBS L. Derg	Cloondadauv 38			2				5				38		2	4			3		1	42		
I-WeBS L. Derg	Cloonmoylan Harbour																					9	
I-WeBS L. Derg	Cloonoolia Bay A																	2					
I-WeBS L. Derg	Cloonoolia Bay B				2	1			3						2							18	
I-WeBS L. Derg	Derry Demesne	9																5					
I-WeBS L. Derg	Derryoober East				2													1				15	
I-WeBS L. Derg	Dromineer Bay	26		2	24													4				2	
I-WeBS L. Derg	Duceys Harbour																	2					
I-WeBS L. Derg	Friary									16		22		3	2			1					
I-WeBS L. Derg	Garrykennedy Harbour	14																5					
I-WeBS L. Derg	Gortmore				14		2								4			3				4	
I-WeBS L. Derg	Kilgarvan	67	5		18						2			4	1			1				12	
I-WeBS L. Derg	Knockaphort	2			2													2				6	20
I-WeBS L. Derg	Knockaphort B	2			6													2				19	
I-WeBS L. Derg	Luska				28	1			2						2							26	
I-WeBS L. Derg	Old Village		2		2		1	33										2					
I-WeBS L. Derg	Portumna Bay	32	1	5	2		2											5				12	
I-WeBS L. Derg	Rinskea	1																					
I-WeBS L. Derg	Rossmore Pier	100	15							1								3	1				
I-WeBS L. Derg	Ryninch		14															6					
I-WeBS L. Derg	Skehanagh	6		12	20			2						2				5				26	
I-WeBS L. Derg	Still Island											10											
I-WeBS L. Derg	Terryglass	55			4		2								7	4	1	2				11	
I-WeBS L. Derg	Towards Spa Isd north				3							50		2				1					
I-WeBS L. Derg	Youghal Harbour	95	1				1						2		2			5					
	Grand Total[1]	**1042**	**38**	**21**	**162**	**2**	**8**	**40**	**5**	**19**	**2**	**120**	**2**	**14**	**34**	**5**	**1**	**92***	**1**	**1**	**42**	**199**	**20**

February 2017												
Survey	Species BTO Code	BH	CA	CO	GB	GG	H.	KF	LG	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Coot	Great Black-backed Gull	Great-crested Grebe	Grey Heron	Kingfisher	Little Grebe	Mallard	Mute Swan	Tufted Duck
	Subsite Name											
I-WeBS Parteen	Ardcloony		6		1	2	1				13	42
I-WeBS Parteen	Clarisford Park	60	4	6		3	2	2	8		14	88

February 2017												
Survey	Species BTO Code	BH	CA	CO	GB	GG	H.	KF	LG	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Coot	Great Black-backed Gull	Great-crested Grebe	Grey Heron	Kingfisher	Little Grebe	Mallard	Mute Swan	Tufted Duck
	Subsite Name											
I-WeBS Parteen	O'Briensbridge	6								3	2	
	Grand Total[1]	**66**	**10**	**6**	**1**	**5**	**3**	**2**	**8**	**3**	**29**	**130**

March 2017																	
Survey	Species BTO Code	BH	CA	CM	CO	ET	GB	GG	GJ	H.	HG	LB	LG	MA	MS	TU	WE
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Little Egret	Great Black-backed Gull	Great- crested Grebe	Greylag Goose	Grey Heron	Herring Gull	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Tufted Duck	White tailed sea eagle
	Subsite Name																
I-WeBS L. Derg	Ballycuggeran Bay	9	1											6	12		
I-WeBS L. Derg	Ballyeiragh				9												
I-WeBS L. Derg	Ballyheefy							1								18	
I-WeBS L. Derg	Bearoge Island		1		1									1			1
I-WeBS L. Derg	Bellevue	7															
I-WeBS L. Derg	Blackrock Point	9	1		2			2	3						10	7	
I-WeBS L. Derg	Bunglasha Bay	2			2	3		1			2		1	1	8		
I-WeBS L. Derg	Castletown		1			4									11		
I-WeBS L. Derg	Church Bay				1								2		2	12	
I-WeBS L. Derg	Clerys Point												2		1		
I-WeBS L. Derg	Cloondadauv 36	1	1		1					1			1		13		
I-WeBS L. Derg	Cloondadauv 38	2	1		1								1	2	4		
I-WeBS L. Derg	Cloonmoylan Harbour	2						4					1	4	5		
I-WeBS L. Derg	Cloonoolia Bay A	6						1					1		1	8	
I-WeBS L. Derg	Cloonoolia Bay B													2			
I-WeBS L. Derg	Derry Demesne														1		
I-WeBS L. Derg	Derrymacegan	7			2								1	1			
I-WeBS L. Derg	Derryoober East				3			1					1	2	9		
I-WeBS L. Derg	Drominagh														3	1	
I-WeBS L. Derg	Dromineer Bay	8	1	1	4			1			1		2		1		
I-WeBS L. Derg	Duceys Harbour				3			3					2				
I-WeBS L. Derg	Friary	3			4									3	2		
I-WeBS L. Derg	Garrykennedy Harbour	8												1			
I-WeBS L. Derg	Gortmore	55	11		1			1							16	2	
I-WeBS L. Derg	Harbour View				2			2						3	2	3	
I-WeBS L. Derg	Kilcooney							1							2		

March 2017																	
Survey	Species BTO Code	BH	CA	CM	CO	ET	GB	GG	GJ	H.	HG	LB	LG	MA	MS	TU	WE
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Little Egret	Great Black-backed Gull	Great- crested Grebe	Greylag Goose	Grey Heron	Herring Gull	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Tufted Duck	White tailed sea eagle
	Subsite Name																
I-WeBS L. Derg	Kilgarvan	13			15			4					1	1	7		
I-WeBS L. Derg	Knockaphort	5	1		9			5					2	1	8	1	
I-WeBS L. Derg	Luska	3						5							2		
I-WeBS L. Derg	Mountshannon Quay	5						2		3					6	7	1
I-WeBS L. Derg	Old Village	90	14		3	1							2		2		
I-WeBS L. Derg	Portumna Bay	10	2					6				3	1			20	
I-WeBS L. Derg	Portumna Forest Park	6	1												15		
I-WeBS L. Derg	Rinmaher Point				3								1	4	6		
I-WeBS L. Derg	Rinskea		1												4		
I-WeBS L. Derg	Rossmore Pier	130	14		4			4	4				1		15	10	
I-WeBS L. Derg	Ryninch	15													3		
I-WeBS L. Derg	Silver Island		163		6			1					2	3	5		
I-WeBS L. Derg	Skehanagh	8	2		8				13				7		4	4	
I-WeBS L. Derg	Terryglass	6	55		1		2							8	3		
I-WeBS L. Derg	Towards Spa Isd north	22	2		2				6						16	20	
I-WeBS L. Derg	Youghal Harbour	42	1					2							9	5	
	Grand Total[1]	**474**	**274***	**1**	**87**	**8**	**2**	**47***	**26**	**4**	**3**	**3**	**32***	**43**	**208***	**118**	**2**

March 2017											
Survey	Species BTO Code	CA	CO	GG	GJ	HG	LB	LG	MA	MS	TU
	Species Name	Cormorant	Coot	Great-crested Grebe	Greylag Goose	Herring Gull	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Tufted Duck
	Subsite Name										
I-WeBS Parteen	Ardcloony				5	1	1			6	76
I-WeBS Parteen	Clarisford Park	2	3	3				1		18	15
I-WeBS Parteen	O'Briensbridge								1	1	
	Grand Total[1]	**2**	**3**	**3**	**5**	**1**	**1**	**1**	**1**	**25**	**91**

Early November 2016										
Survey	Species BTO Code	BZ	ET	H.	K.	L.	MA	MS	T.	WS
	Species Name	Buzzard	Little Egret	Grey Heron	Kestrel	Lapwing	Mallard	Mute Swan	Teal	Whooper Swan
	Subsite Name									
I-WeBS Corridor	Ballyanny Lower (West of Ballytrella Br.)				1					
I-WeBS Corridor	Ballythomas (Behind Ashley Park)				1					
I-WeBS Corridor	Coolderry	1				64				30
I-WeBS Corridor	Glasderry (N. of Brosna Bridge)				1					
I-WeBS Corridor	K Club (Liffey at Straffan Bridge)		8				3			
I-WeBS Corridor	Lough Eorna			2			33	1	9	
I-WeBS Corridor	Monsea				1					
I-WeBS Corridor	Nenagh River Ballyartella Bridge							2		
I-WeBS Corridor	South of Forty Acres				2					
	Grand Total[1]	**1**	**8**	**2**	**6**	**64**	**36**	**3**	**9**	**30**

Late November 2016											
Survey	Species BTO Code	BH	BZ	CO	ET	H.	HH	K.	LG	MA	MH
	Species Name	Black-headed Gull	Buzzard	Coot	Little Egret	Grey Heron	Hen Harrier	Kestrel	Little Grebe	Mallard	Moorhen
	Subsite Name										
I-WeBS Corridor	Ballindrinnan		1								
I-WeBS Corridor	Ballykilleen					1					
I-WeBS Corridor	Cappadine		1					1			
I-WeBS Corridor	Coolderry										
I-WeBS Corridor	Drehid Forest						1	1			
I-WeBS Corridor	Grand Canal at Kilpatrick		1								3
I-WeBS Corridor	K Club (Liffey at Straffan Bridge)				2						
I-WeBS Corridor	Lisnasoolmoy		1								
I-WeBS Corridor	Lough Eorna	70		1					2	20	3
I-WeBS Corridor	Monument Crossroads		1								
I-WeBS Corridor	Raheen		1								
I-WeBS Corridor	Sedgemoor	25									
I-WeBS Corridor	Timahoe East (HH)		1								
	Grand Total[1]	**95**	**7**	**1**	**2**	**1**	**1**	**2**	**2**	**20**	**6**

December 2016					
Survey	**Species BTO Code**	**ET**	**L.**	**MA**	**WS**
	Species Name	**Little Egret**	**Lapwing**	**Mallard**	**Whooper Swan**
	Subsite Name				
I-WeBS Corridor	Coolderry		50		18
I-WeBS Corridor	K Club (Liffey at Straffan Bridge)	8		3	
	Grand Total[1]	**8**	**50**	**3**	**18**

January 2017									
Survey	**Species BTO Code**	**BZ**	**CO**	**LG**	**MA**	**MS**	**T.**	**TU**	**WS**
	Species Name	**Buzzard**	**Coot**	**Little Grebe**	**Mallard**	**Mute Swan**	**Teal**	**Tufted Duck**	**Whooper Swan**
	Subsite Name								
I-WeBS Corridor	Coolderry								0
I-WeBS Corridor	Coolnadornory								11
I-WeBS Corridor	Cushaling	1							
I-WeBS Corridor	Grand Canal at Ardclogh				2				
I-WeBS Corridor	Lough Eorna		3	2	0		3	6	14
I-WeBS Corridor	Nenagh River Ballyartella Bridge	1							
I-WeBS Corridor	Rathlumber					4			
	Grand Total[1]	**2**	**3**	**2**	**2**	**4**	**3**	**6**	**25**

February 2017											
Survey	**Species BTO Code**	**BH**	**CA**	**CO**	**KF**	**LG**	**MA**	**MS**	**SH**	**TU**	**WS**
	Species Name	**Black-headed Gull**	**Cormorant**	**Coot**	**Kingfisher**	**Little Grebe**	**Mallard**	**Mute Swan**	**Sparrowhawk**	**Tufted Duck**	**Whooper Swan**
	Subsite Name										
I-WeBS Corridor	Killeen and Lugnaboley								1		
I-WeBS Corridor	Lough Eorna	80		4		4	15			28	82
I-WeBS Corridor	Monsea				1						
I-WeBS Corridor	Nenagh River Ballyartella Bridge		1					2			
I-WeBS Corridor	Rathlumber		1				2				
	Grand Total[1]	**80**	**2**	**4**	**1**	**4**	**17**	**2**	**1**	**28**	**82**

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March 2017																
Survey	Species BTO Code	BH	BZ	CO	GG	H.	L.	LG	MA	MH	MS	SU	T.	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Great-crested Grebe	Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Shelduck	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name															
I-WeBS Corridor	Ardcrony						6					2	20		30	7
I-WeBS Corridor	Ballinaderry		1													
I-WeBS Corridor	Ballykilleen															4
I-WeBS Corridor	Gorteenkeel Bog					2										
I-WeBS Corridor	Lough Eorna			8	1			4	5	3	8			70		91
I-WeBS Corridor	Nenagh River Ballyartella Bridge										2					
I-WeBS Corridor	Sedgemoor	27														
	Grand Total[1]	**27**	**1**	**8**	**1**	**2**	**6**	**4**	**5**	**3**	**10**	**2**	**20**	**70**	**30**	**102**

Early November 2016							
Survey	Species BTO Code	BZ	HH	K.	LB	SN	WK
	Species Name	Buzzard	Hen Harrier	Kestrel	Lesser Black-backed Gull	Snipe	Woodcock
	Subsite Name						
Hen Harrier Survey	Derryvarroge HH (W. Of Donadea)				36		
Hen Harrier Survey	Kilkeaskin HH (Bog W of Drehid)			1			
Hen Harrier Survey	Kilumber HH	1					
Hen Harrier Survey	Sharavogue	1	1			4	
Hen Harrier Survey	Timahoe East (HH)			1			1
	Grand Total[1]	**2**	**1**	**2**	**36**	**4**	**1**

Late November 2016					
Survey	Species BTO Code	BZ	HH	K.	SN
	Species Name	Buzzard	Hen Harrier	Kestrel	Snipe
	Subsite Name				
Hen Harrier Survey	Kilkeaskin HH (Bog W of Drehid)	1			
Hen Harrier Survey	Mount Lucas HH			1	1
Hen Harrier Survey	Sharavogue				2
Hen Harrier Survey	Timahoe East (HH)		1		
	Grand Total[1]	**1**	**1**	**1**	**3**

December 2016			
Survey	**Species BTO Code**	**K.**	**SN**
	Species Name	**Kestrel**	**Snipe**
	Subsite Name		
Hen Harrier Survey	Kilkeaskin HH (Bog W of Drehid)	1	1
	Grand Total[1]	**1**	**1**

January 2017				
Survey	**Species BTO Code**	**BZ**	**K.**	**SN**
	Species Name	**Buzzard**	**Kestrel**	**Snipe**
	Subsite Name			
Hen Harrier Survey	Ballynakill (Power St)		1	1
Hen Harrier Survey	Coolmartin (East of Drehid)	1		
	Grand Total[1]	**1**	**1**	**1**

February 2017					
Survey	**Species BTO Code**	**BZ**	**H.**	**KF**	**SN**
	Species Name	**Buzzard**	**Grey Heron**	**Kingfisher**	**Snipe**
	Subsite Name				
Hen Harrier Survey	Ballynakill (Power St)	1	1	1	
Hen Harrier Survey	Coolmartin (East of Drehid)				1
	Grand Total[1]	**1**	**1**	**1**	**1**

March 2017				
Survey	**Species BTO Code**	**K.**	**SH**	**SN**
	Species Name	**Kestrel**	**Sparrowhawk**	**Snipe**
	Subsite Name			
Hen Harrier Survey	Kilkeaskin HH (Bog W of Drehid)			1
Hen Harrier Survey	Killoneen (Mt Lucas)		1	
Hen Harrier Survey	Sharavogue	1		
	Grand Total[1]	**1**	**1**	**1**

Vantage Point Results 2016/2017:

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Ardcloony	03/11/2016	PC	14.5	TU	150	No data	No data	No data	On arrival
Ardcloony	03/11/2016	PC	No data	PO	8	No data	No data	No data	On arrival
Ardcloony	03/11/2016	PC	No data	VN	8	No data	No data	No data	On arrival
Ardcloony	03/11/2016	PC	No data	MS	21	No data	No data	No data	On arrival
Ardcloony	03/11/2016	PC	No data	CA	13	No data	No data	No data	On arrival (roosting island)
Ardcloony	03/11/2016	PC	No data	CA	28	No data	No data	No data	On arrival (loafing on basin)
Ardcloony	03/11/2016	PC	No data	CA	4	No data	No data	No data	On arrival
Ardcloony	03/11/2016	PC	No data	CA	1	Yes	No data	15	Flying northeast within basin
Ardcloony	03/11/2016	PC	No data	CA	1	Yes	No data	15	Flying northeast within basin
Ardcloony	03/11/2016	PC	15.05	CA	1	Yes	No data	10	Flying south within basin
Ardcloony	03/11/2016	PC	15.05	CA	6	Yes	No data	25	Flying west within basin
Ardcloony	03/11/2016	PC	15.05	BH	2	Yes	No data	25	Flying west within basin
Ardcloony	03/11/2016	PC	15.05	CA	10	Yes	No data	10	Flying on basin
Ardcloony	03/11/2016	PC	15.05	MS	1	Yes	No data	15	Flying SW over O'Briens Bridge
Ardcloony	03/11/2016	PC	15.55	CA	4	Yes	No data	20	Circling on basin
Ardcloony	03/11/2016	PC	15.55	BH	6	Yes	No data	25	Flying north in basin while in sight
Ardcloony	03/11/2016	PC	15.55	TU	100	Yes	No data	20	Circled and landed back in basin
Ardcloony	03/11/2016	PC	15.55	TU	5	Yes	No data	10	Flying west within basin
Ardcloony	03/11/2016	PC	16.35	TU	13	Yes	No data	10	Flying west within basin same line as (1)
Ardcloony	03/11/2016	PC	16.35	TU	23	Yes	No data	10	Flying west within basin same line as (1)
Ardcloony	03/11/2016	PC	16.4	CU	6	Yes	No data	No data	Flying circling basin and landed E shore
Ardcloony	03/11/2016	PC	16.4	TU	9	Yes	No data	No data	Flying west within basin same line as (1)
Ardcloony	03/11/2016	PC	16.4	CA	15	Yes	No data	No data	Flying north within basin while in sight same as (9)
Ardcloony	03/11/2016	PC	16.55	BH	29	Yes	No data	No data	Flying south to north length of basin
Ardcloony	03/11/2016	PC	16.55	BH	42	Yes	No data	No data	Flying south to north length of basin
Ardcloony	03/11/2016	PC	17.15	TU	150	No data	No data	No data	Circled basin near east shore
Ardcloony	03/11/2016	PC	17.35	L	3	No data	No data	No data	Flying W across basin to E
Flanagans	04/11/2016	PC	11.2	MA	7	No data	No data	No data	On arrival
Flanagans	04/11/2016	PC	11.2	BH	55	No data	No data	No data	On arrival (regularly flying circling bridge)
Flanagans	04/11/2016	PC	11.2	CA	1	No data	No data	No data	On arrival (foraging around bridge in view shed) (within town limits)
Flanagans	04/11/2016	PC	11.2	BH	6	No data	No data	20	Flying through view shed (within town limits)
Flanagans	04/11/2016	PC	11.2	BH	7	No data	No data	20	Flying through view shed (within town limits)
Flanagans	04/11/2016	PC	11.2	BH	5	No data	No data	20	Flying through view shed (within town limits)
Flanagans	04/11/2016	PC	11.2	BH	9	No data	No data	20	Flying through view shed (within town limits)
Flanagans	04/11/2016	PC	12.5	CA	2	No data	No data	60	Flying south commuting
Flanagans	04/11/2016	PC	12.5	MA	2	No data	No data	20	Flew over bridge S within view shed
Flanagans	04/11/2016	PC	13.25	CA	1	No data	No data	40	Flew over bridge S within view shed
Flanagans	04/11/2016	PC	13.25	BH	2	No data	No data	60	Flying south
Flanagans	04/11/2016	PC	13.25	MS	1	No data	No data	No data	Swimming
Flanagans	04/11/2016	PC	14	CA	1	No data	No data	60-20	Flying south toward Parteen
Flanagans	04/11/2016	PC	14	MA	2	No data	No data	20	Flying S over bridge within view shed
Flanagans	04/11/2016	PC	14.15	CA	1	No data	No data	60	Flying south toward Parteen
Flanagans	04/11/2016	PC	14.15	MA	2	No data	No data	No data	Circling viewshed
Flanagans	04/11/2016	PC	14.15	CA	1	No data	No data	60	Flying south toward Parteen
Flanagans	04/11/2016	PC	14.15	CA	1	No data	No data	60-20	Flying south toward Parteen
Flanagans	04/11/2016	PC	14.5	CA	1	No data	No data	40	Commuting N toward LD
Flanagans	04/11/2016	PC	14.5	MA	1	No data	No data	40	Commuting S toward Parteen
Flanagans	04/11/2016	PC	15.1	CA	2	No data	No data	60	Commuting S toward Parteen
Flanagans	04/11/2016	PC	15.55	HG	1	No data	No data	40	Commuting S toward Parteen
Flanagans	04/11/2016	PC	15.55	CA	1	No data	No data	20	Commuting S toward Parteen
Flanagans	04/11/2016	PC	15.55	CA	4	No data	No data	60	Commuting S toward Parteen
Flanagans	04/11/2016	PC	15.55	CA	3	No data	No data	60	Commuting S toward Parteen
Flanagans	04/11/2016	PC	16.3	CA	1	No data	No data	60	Commuting S toward Parteen
Flanagans	04/11/2016	PC	16.3	CA	5	No data	No data	60	Commuting S toward Parteen
Flanagans	04/11/2016	PC	16.5	BH	35	No data	No data	40	Commuting N toward LD
Flanagans	04/11/2016	PC	16.5	BH	27	No data	No data	40	Commuting N toward LD
Flanagans	04/11/2016	PC	16.5	BH	31	No data	No data	40	Commuting N toward LD
Flanagans	04/11/2016	PC	16.5	BH	42	No data	No data	40	Commuting N toward LD
Flanagans	04/11/2016	PC	17.15	BH	17	No data	No data	40	Commuting N toward LD
Flanagans	04/11/2016	PC	17.15	H	1	No data	No data	No data	Flew in in front of VP
Clarisford Park	05/11/2016	PC	7.35	TU	39	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	TU	25	No data	No data	No data	On arrival

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Clarisford Park	05/11/2016	PC	7.35	LG	32	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	MS	8	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	MA	6	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	MH	3	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	BH	55	No data	No data	No data	On arrival (foraging on rugby pitch) (4)
Clarisford Park	05/11/2016	PC	7.35	H	1	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	GG	1	No data	No data	No data	On arrival
Clarisford Park	05/11/2016	PC	7.35	CA	2	No data	No data	No data	No data
Clarisford Park	05/11/2016	PC	7.35	CA	5	No data	No data	No data	No data
Clarisford Park	05/11/2016	PC	7.35	WS	2	No data	No data	No data	No data
Clarisford Park	05/11/2016	PC	7.35	BH	31	No data	No data	No data	No data
Clarisford Park	05/11/2016	PC	8.15	CA	5	No data	No data	30	Flying N towards LD
Clarisford Park	05/11/2016	PC	8.15	TU	3	No data	No data	20	Flying N towards LD
Clarisford Park	05/11/2016	PC	8.15	WS	10	No data	No data	10	Flying NW within Parteen
Clarisford Park	05/11/2016	PC	9.35	CA	3	No data	No data	40	Flying NW towards LD
Clarisford Park	05/11/2016	PC	9.35	CA	1	No data	No data	40	Flying NW towards LD
Clarisford Park	05/11/2016	PC	9.35	WS	4	No data	No data	20	E across basin
Clarisford Park	05/11/2016	PC	10	WS	3	No data	No data	No data	Flying W and landed on basin
Clarisford Park	05/11/2016	PC	10.15	H	1	No data	No data	No data	Flew W to E across basin
Clarisford Park	11/11/2016	PC	No data	TU	7	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	MS	1	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	CA	1	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	BH	61	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	LG	33	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	MA	8	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	CO	2	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	GG	1	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	MH	3	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	TU	21	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	No data	TU	70	No data	No data	No data	On arrival
Clarisford Park	11/11/2016	PC	11.1	CA	1	Yes	No data	10	Flying north within Parteen
Clarisford Park	11/11/2016	PC	11.1	MS	1	Yes	No data	10	Flying south within Parteen
Clarisford Park	11/11/2016	PC	11.1	CA	2	Yes	No data	25	Flying north toward LD
Clarisford Park	11/11/2016	PC	11.1	TU	1	Yes	No data	10	Flying west within Parteen
Clarisford Park	11/11/2016	PC	11.1	H	1	Yes	No data	10	Flying west within Parteen
Clarisford Park	11/11/2016	PC	11.35	CA	1	Yes	No data	25	Flying north toward LD
Clarisford Park	11/11/2016	PC	12.45	LB	1	Yes	No data	25	Flying west within Parteen
Clarisford Park	11/11/2016	PC	13.35	MS	1	Yes	No data	10	Flying south within Parteen
Clarisford Park	11/11/2016	PC	13.35	H	1	Yes	No data	15	Flying northeast within Parteen
Clarisford Park	11/11/2016	PC	13.35	CA	1	Yes	No data	10	Flying south within Parteen
Ardcloony	11/11/2016	PC	No data	GG	3	No data	No data	No data	On arrival
Ardcloony	11/11/2016	PC	No data	MH	2	No data	No data	No data	On arrival
Ardcloony	11/11/2016	PC	No data	MS	18	No data	No data	No data	On arrival
Ardcloony	11/11/2016	PC	No data	TU	690	No data	No data	No data	On arrival
Ardcloony	11/11/2016	PC	No data	GB	1	No data	No data	No data	On arrival
Ardcloony	11/11/2016	PC	No data	C A	43	No data	No data	No data	On arrival (roost)
Ardcloony	11/11/2016	PC	14.15	TU	5	Yes	No data	15	Flying north within basin
Ardcloony	11/11/2016	PC	14.15	TU	7	Yes	No data	15	Flying north and lost from view
Ardcloony	11/11/2016	PC	14.15	L	67	Yes	No data	40	Flying north over w shore and basin
Ardcloony	11/11/2016	PC	14.15	CA	1	Yes	No data	No data	Flew in landed roost
Ardcloony	11/11/2016	PC	14.15	TU	2	Yes	No data	15	Flying north and lost from view
Ardcloony	11/11/2016	PC	14.5	CA	1	Yes	No data	No data	Flew in landed roost
Ardcloony	11/11/2016	PC	15.1	CA	1	Yes	No data	No data	Flew in landed roost
Ardcloony	11/11/2016	PC	15.1	CA	1	Yes	No data	10	Flying north within basin
Ardcloony	11/11/2016	PC	15.1	TU	3	Yes	No data	10	Flying north and lost from view
Ardcloony	11/11/2016	PC	15.1	TU	3	Yes	No data	10	Flying south from N into view. Line down middle of basin.
Ardcloony	11/11/2016	PC	15.1	CA	1	Yes	No data	10	Flying north within basin
Ardcloony	11/11/2016	PC	15.1	MA	2	Yes	No data	15	Flying north and lost from view
Ardcloony	11/11/2016	PC	15.1	GJ	9	Yes	No data	15	Flying north and lost from view
Ardcloony	11/11/2016	PC	15.45	TU	10	Yes	No data	10	Flying south from N into view. Line down middle of basin.
Ardcloony	11/11/2016	PC	15.45	TU	42	Yes	No data	10	Flying south from N into view. Line down middle of basin.
Ardcloony	11/11/2016	PC	15.45	TU	230	Yes	No data	10	Flying south from N into view. Line down middle of basin.
Ardcloony	11/11/2016	PC	15.45	TU	70	Yes	No data	10	Flying south from N into view. Line down middle of basin.

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Ardcloony	11/11/2016	PC	15.45	TU	105	Yes	No data	10	Flying south from N into view. Line down middle of basin.
Ardcloony	11/11/2016	PC	15.45	TU	28	Yes	No data	10	Flying south from N into view. Line down middle of basin.
Ardcloony	11/11/2016	PC	15.45	BH	30	Yes	No data	15	Flying north towards LD
Ardcloony	11/11/2016	PC	15.45	WS	7	Yes	No data	15	Flying south towards LD
Ardcloony	11/11/2016	PC	15.45	WS	4	Yes	No data	15	Flying south towards LD
Ardcloony	11/11/2016	PC	16.4	BH	49	No data	No data	15	Flying north towards LD
Flanagans	23/11/2016	PC	7.3	BH	12	No data	No data	No data	On arrival (continually circling around village over duration.)
Flanagans	23/11/2016	PC	7.3	MA	4	No data	No data	No data	On arrival
Flanagans	23/11/2016	PC	7.3	BH	15	No data	No data	20	Commuting flight south, toward Parteen
Flanagans	23/11/2016	PC	7.3	BH	40	No data	No data	20	Commuting flight south, toward Parteen
Flanagans	23/11/2016	PC	7.3	BH	11	No data	No data	20	Commuting flight south, toward Parteen
Flanagans	23/11/2016	PC	7.3	CA	3	No data	No data	40	Commuting flight north, toward LD
Flanagans	23/11/2016	PC	8.15	CA	1	No data	No data	10	Flight from S, landed in view shed
Flanagans	23/11/2016	PC	8.25	CA	1	No data	No data	30	Flight from S heading N toward LD
Flanagans	23/11/2016	PC	8.25	CA	6	No data	No data	40	Flying from SW towards LD
Flanagans	23/11/2016	PC	8.55	CA	8	No data	No data	40	Flying N toward LD
Flanagans	23/11/2016	PC	10.45	BH	27	No data	No data	No data	On arrival (Flying around village for duration)
Flanagans	23/11/2016	PC	10.45	MA	6	No data	No data	No data	On arrival
Flanagans	23/11/2016	PC	11.15	CA	1	No data	No data	35	Flying S commuting toward Parteen
Flanagans	23/11/2016	PC	11.15	H	3	No data	No data	10	Flying N within view shed
Flanagans	23/11/2016	PC	11.15	CA	1	No data	No data	35	Flying N within view shed
Flanagans	23/11/2016	PC	11.15	H	1	No data	No data	10	Flying S commuting toward Parteen
Flanagans	23/11/2016	PC	12.15	CA	1	No data	No data	45	Flying S commuting toward Parteen
Flanagans	23/11/2016	PC	12.15	H	1	No data	No data	30	Flying N landed within view shed
Ardcloony	24/11/2016	PC	7.15	TU	210	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	ET	1	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	MA	12	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	L	1	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	T	2	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	MS	2	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	CA	6	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	7.15	GG	1	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	8	CA	3	No data	No data	15	Flying S
Ardcloony	24/11/2016	PC	8	BH	8	No data	No data	15	Flying S
Ardcloony	24/11/2016	PC	8	TU	118	No data	No data	5	Flying S, landed within basin
Ardcloony	24/11/2016	PC	8	TU	96	No data	No data	5	Flying N, landed within basin
Ardcloony	24/11/2016	PC	8	TU	35	No data	No data	5	Flying S, landed within basin
Ardcloony	24/11/2016	PC	9.2	MS	1	No data	No data	20	Flying S
Ardcloony	24/11/2016	PC	9.2	CA	2	No data	No data	20	Flying S
Ardcloony	24/11/2016	PC	9.2	GJ	7	No data	No data	20	Flying S
Ardcloony	24/11/2016	PC	9.2	ET	1	No data	No data	15	Flying E across basin
Ardcloony	24/11/2016	PC	9.2	L	1	No data	No data	15	Circling basin
Ardcloony	24/11/2016	PC	9.2	TU	32	No data	No data	10	Flying S within basin
Ardcloony	24/11/2016	PC	10	TU	19	No data	No data	10	Flying N
Ardcloony	24/11/2016	PC	10	TU	95	No data	No data	10	Flying N
Ardcloony	24/11/2016	PC	10	CA	3	No data	No data	10	Flying N
Ardcloony	24/11/2016	PC	10.45	TU	200	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.45	GG	3	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.45	GB	1	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.45	RK	1	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.45	MA	13	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.45	MS	4	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.45	KF	1	No data	No data	No data	On arrival
Ardcloony	24/11/2016	PC	10.25	TU	130	No data	No data	10	Flying N out of View
Ardcloony	24/11/2016	PC	10.25	TU	2	No data	No data	10	Flying N out of View
Ardcloony	24/11/2016	PC	11.5	TU	7	No data	No data	10	Flying S
Ardcloony	24/11/2016	PC	11.5	MS	2	No data	No data	10	Flying E within basin
Ardcloony	24/11/2016	PC	12.2	TU	2	No data	No data	10	Flying N out of View
Ardcloony	24/11/2016	PC	12.5	CA	1	No data	No data	20	Flying N
Clarisford Park	25/11/2016	PC	7.15	TU	99	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	7.15	P	2	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	7.15	MA	6	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	7.15	T	8	No data	No data	No data	On arrival

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Clarisford Park	25/11/2016	PC	7.15	LG	25	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	7.15	BH	4	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	7.15	CO	53	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	7.15	MS	2	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	8.25	WS	1	No data	No data	10	Flying E across basin
Clarisford Park	25/11/2016	PC	8.25	TU	12	No data	No data	10	Circling within view shed
Clarisford Park	25/11/2016	PC	8.25	TU	34	No data	No data	10	Circling within view shed
Clarisford Park	25/11/2016	PC	8.25	CA	7	No data	No data	30	Flying N toward LD
Clarisford Park	25/11/2016	PC	8.25	WA	1	No data	No data	No data	Short flight within watershed
Clarisford Park	25/11/2016	PC	8.25	H	1	No data	No data	20	Flight west
Clarisford Park	25/11/2016	PC	8.25	CA	6	No data	No data	30	Flying N toward LD
Clarisford Park	25/11/2016	PC	10.45	TU	155	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	10.45	CO	50	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	10.45	LG	20	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	10.45	BH	6	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	10.45	L	1	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	10.45	MS	8	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	10.45	WS	2	No data	No data	No data	On arrival
Clarisford Park	25/11/2016	PC	11.05	CA	3	No data	No data	20	Flying S
Clarisford Park	25/11/2016	PC	11.05	TU	38	No data	No data	10	Flying within viewshed
Clarisford Park	25/11/2016	PC	11.05	H	2	No data	No data	15	Flying within viewshed
Clarisford Park	25/11/2016	PC	11.05	CA	1	No data	No data	20	Flying S
Clarisford Park	25/11/2016	PC	12.45	MS	3	No data	No data	10	Flying N within viewshed
Ardcloony	13/12/2016	PC	10.5	TU	221	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	MS	6	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	CA	4	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	MA	4	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	CU	7	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	T	5	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	GB	1	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	T	5	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	GB	1	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	BH	5	No data	No data	No data	On arrival
Ardcloony	13/12/2016	PC	10.5	PE	1	No data	No data	10	Commuting low over basin, SW direction.
Ardcloony	13/12/2016	PC	10.5	TU	5	No data	No data	10	Short flight within basin
Ardcloony	13/12/2016	PC	10.5	TU	8	No data	No data	10	Short flight within basin
Ardcloony	13/12/2016	PC	10.5	MS	1	No data	No data	10	Flying SW within basin
Ardcloony	13/12/2016	PC	11.2	TU	200	No data	No data	15	Flying N within basin
Ardcloony	13/12/2016	PC	11.2	MA	2	No data	No data	10	Flying S within basin
Ardcloony	13/12/2016	PC	11.2	GB	1	No data	No data	50	Flying N towards LD
Ardcloony	13/12/2016	PC	11.2	BH	1	No data	No data	50	Flying N towards LD
Ardcloony	13/12/2016	PC	11.2	CA	1	No data	No data	15	Flying S within basin
Ardcloony	13/12/2016	PC	11.2	CA	1	No data	No data	15	Flying N within basin
Ardcloony	13/12/2016	PC	11.2	BA	1	No data	No data	50	Flying N towards LD
Ardcloony	13/12/2016	PC	12.15	MA	3	No data	No data	30	Flying S within basin
Ardcloony	13/12/2016	PC	12.15	CA	1	No data	No data	15	Flying N within basin
Ardcloony	13/12/2016	PC	12.15	ET	1	No data	No data	20	Flying S within basin
Ardcloony	13/12/2016	PC	12.15	MS	2	No data	No data	20	Flying S within basin
Ardcloony	13/12/2016	PC	12.15	GN	1	No data	No data	10	Flying N within basin
Ardcloony	13/12/2016	PC	12.15	GB	1	No data	No data	30	Flying N within basin
Ardcloony	13/12/2016	PC	12.15	GN	3	No data	No data	20	Flying S within basin
Ardcloony	13/12/2016	PC	12.15	CA	1	No data	No data	15	Flying N within basin
Ardcloony	13/12/2016	PC	12.15	TU	8	No data	No data	20	Flying S within basin
Ardcloony	13/12/2016	PC	12.15	GN	2	No data	No data	10	Short flight within basin
Ardcloony	13/12/2016	PC	12.15	TU	3	No data	No data	10	Short flight within basin
Ardcloony	13/12/2016	PC	14.4	TU	18	No data	No data	10	Flying N within basin
Ardcloony	13/12/2016	PC	14.4	CA	3	No data	No data	20	Flying N within basin
Ardcloony	13/12/2016	PC	14.4	CA	2	No data	No data	20	Flying N within basin
Ardcloony	13/12/2016	PC	14.4	TU	21	No data	No data	10	Flying S within basin
Ardcloony	13/12/2016	PC	14.4	TU	24	No data	No data	10	Flying SE within basin
Ardcloony	13/12/2016	PC	14.4	L	16	No data	No data	20	Flying N then S within basin
Ardcloony	13/12/2016	PC	14.4	MS	1	No data	No data	10	Flying S out of basin
Ardcloony	13/12/2016	PC	16	CA	3	No data	No data	20	Flying N within basin
Ardcloony	13/12/2016	PC	16.1	BH	74	No data	No data	50	Commuting towards LD
Flanagans	20/12/2016	PC	10.4	BH	16	Yes	No data	No data	On arrival. Circling within view shed periodically.

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Flanagans	20/12/2016	PC	11	CA	1	No data	No data	10	Flying S and landed, from LD.
Flanagans	20/12/2016	PC	11	CA	1	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	11.3	CA	1	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	11.3	MA	2	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	11.3	MA	2	No data	No data	15	Circling within view shed
Flanagans	20/12/2016	PC	11.3	MA	3	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	11.3	CA	1	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	12.05	CA	1	No data	No data	20	Flying S towards Parteen
Flanagans	20/12/2016	PC	12.05	BH	5	No data	No data	20	Flying S towards Parteen
Flanagans	20/12/2016	PC	12.05	BH	2	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	12.05	CA	1	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	12.05	MA	10	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	12.05	GB	1	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	13.35	BH	6	No data	No data	15	Flying N toward LD.
Flanagans	20/12/2016	PC	14.1	BH	72	No data	No data	No data	BH circling throughout viewshed periodically.
Flanagans	20/12/2016	PC	14.5	MA	5	No data	No data	20	Circling within view shed
Flanagans	20/12/2016	PC	14.5	CA	1	No data	No data	20	Flying S toward Parteen
Flanagans	20/12/2016	PC	15	CA	1	No data	No data	20	Flying S toward Parteen
Flanagans	20/12/2016	PC	15	GB	1	No data	No data	20	Flying S toward Parteen
Flanagans	20/12/2016	PC	15	MA	3	No data	No data	20	Flying N toward LD.
Flanagans	20/12/2016	PC	15.35	MA	2	No data	No data	20	Flying N toward LD.
Flanagans	20/12/2016	PC	15.35	CA	1	No data	No data	20	Flying S toward Parteen
Flanagans	20/12/2016	PC	15.5	BH	22	No data	No data	40	Flying N toward LD.
Flanagans	20/12/2016	PC	15.5	MA	2	No data	No data	20	Flying N toward LD.
Flanagans	20/12/2016	PC	15.5	BH	32	No data	No data	40	Flying N toward LD.
Flanagans	20/12/2016	PC	16.1	MA	4	No data	No data	40	Flying N toward LD.
Flanagans	20/12/2016	PC	16.25	BH	26	No data	No data	20	Flying N toward LD.
Flanagans	20/12/2016	PC	16.35	BH	16	No data	No data	20	Flying N toward LD.
Flanagans	20/12/2016	PC	16.35	H	1	No data	No data	1	Flying in from N and landed in watershed @ 1m
Clarisford Park	21/12/2016	PC	No data	TU	110	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	GJ	19	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	WS	3	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	MS	6	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	LG	15	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	BH	2	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	CA	1	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	GB	1	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	GG	1	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	No data	TU	30	No data	No data	No data	On arrival (about 30 flocks, short flights within basin view shed, periodically during watch)
Clarisford Park	21/12/2016	PC	11.3	WS	3	No data	No data	10	Flying E then N toward LD
Clarisford Park	21/12/2016	PC	11.3	GB	1	No data	No data	30	Flying south into basin
Clarisford Park	21/12/2016	PC	11.3	MA	2	No data	No data	10	Flying E then N toward LD
Clarisford Park	21/12/2016	PC	11.45	MS	2	No data	No data	5	Flying S within basin
Clarisford Park	21/12/2016	PC	11.45	CA	1	No data	No data	5	Flying E within basin
Clarisford Park	21/12/2016	PC	12.05	CA	1	No data	No data	50	Commuting toward LD
Clarisford Park	21/12/2016	PC	12.35	TU	150	No data	No data	30	Flying N within basin, flushed by boat
Clarisford Park	21/12/2016	PC	13.35	H	1	No data	No data	10	Flying W within basin
Clarisford Park	21/12/2016	PC	14.1	MS	4	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	MH	2	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	LG	20	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	GG	1	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	TU	210	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	CA	1	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	KF	1	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.1	K	No data	No data	No data	No data	On arrival
Clarisford Park	21/12/2016	PC	14.2	MS	1	No data	No data	10	Flying W toward 2 MS
Clarisford Park	21/12/2016	PC	14.2	MS	2	No data	No data	10	Flushed by earlier MS as above, flew S
Clarisford Park	21/12/2016	PC	15.3	BH	5	No data	No data	20	Flying N toward LD
Clarisford Park	21/12/2016	PC	15.3	CA	1	No data	No data	5	Flying S from LD
Clarisford Park	21/12/2016	PC	15.45	BH	8	No data	No data	20	Flying N toward LD
Clarisford Park	21/12/2016	PC	16.15	BH	23	No data	No data	20	Flying N toward LD
Clarisford Park	21/12/2016	PC	16.15	H	1	No data	No data	15	Flying E within basin
Clarisford Park	21/12/2016	PC	16.3	BH	35	No data	No data	20	Flying E within basin

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Clarisford Park	21/12/2016	PC	16.55	WS	8	No data	No data	5	Flying NW within basin
Clarisford Park	18/01/2017	PC	11.1	TU	40	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	LG	13	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	MS	6	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	BH	4	No data	No data	No data	On arrival (regularly flying through view shed foraging
Clarisford Park	18/01/2017	PC	11.1	KF	1	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	GN	5	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	WS	3	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	MH	2	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.1	H	1	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	11.23	WS	3	No data	No data	3	Flying W to E across basin
Clarisford Park	18/01/2017	PC	11.33	BH	108	No data	No data	35	Flying S overhead from LD direction
Clarisford Park	18/01/2017	PC	11.39	BH	6	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	11.47	MA	2	No data	No data	4	Flying NW within basin
Clarisford Park	18/01/2017	PC	11.53	BH	36	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	11.53	BH	24	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	12.05	H	1	No data	No data	6	Flying within basin
Clarisford Park	18/01/2017	PC	12.12	BH	30	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	12.25	BH	8	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	12.27	BH	12	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	12.32	MS	1	No data	No data	10	Flying within basin
Clarisford Park	18/01/2017	PC	12.4	BH	8	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	13	BH	7	No data	No data	20	Flying N toward LD
Clarisford Park	18/01/2017	PC	13.03	H	1	No data	No data	3	Flying within basin
Clarisford Park	18/01/2017	PC	13.03	SN	12	No data	No data	6	Flush by H within basin
Clarisford Park	18/01/2017	PC	13.03	CA	2	No data	No data	15	Flying within basin
Clarisford Park	18/01/2017	PC	13.1	TU	2	No data	No data	4	Flying within basin
Clarisford Park	18/01/2017	PC	13.1	TU	55	No data	No data	4	Circling within basin
Clarisford Park	18/01/2017	PC	13.1	TU	3	No data	No data	4	Flying within basin
Clarisford Park	18/01/2017	PC	13.2	MA	2	No data	No data	3	Flying within basin
Clarisford Park	18/01/2017	PC	13.25	H	1	No data	No data	4	Flying W to E
Clarisford Park	18/01/2017	PC	13.3	H	1	No data	No data	1	Flying W within basin
Clarisford Park	18/01/2017	PC	13.37	GJ	2	No data	No data	40	Flying S from LD direction
Clarisford Park	18/01/2017	PC	13.5	MA	8	No data	No data	3	Flying within basin
Clarisford Park	18/01/2017	PC	13.55	TU	50	No data	No data	4	Flushed by low flying plane
Clarisford Park	18/01/2017	PC	14.4	TU	52	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	LG	24	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	CA	2	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	MS	3	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	BH	19	No data	No data	No data	On arrival (regularly flying through view shed foraging
Clarisford Park	18/01/2017	PC	14.4	MH	1	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	KF	1	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	GN	5	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	MA	2	No data	No data	No data	On arrival
Clarisford Park	18/01/2017	PC	14.4	TU	21	No data	No data	4	Flying S within basin
Clarisford Park	18/01/2017	PC	15.3	MA	2	No data	No data	15	Flying N toward LD
Clarisford Park	18/01/2017	PC	15.4	BH	12	No data	No data	30	Flying N toward LD
Clarisford Park	18/01/2017	PC	15.43	MA	2	No data	No data	15	Flying N toward LD
Clarisford Park	18/01/2017	PC	16.14	CA	1	No data	No data	30	Flying S from LD direction
Clarisford Park	18/01/2017	PC	16.15	BH	107	No data	No data	60	Flying N toward LD
Clarisford Park	18/01/2017	PC	16.16	H	1	No data	No data	3	Flying W to E within basin
Clarisford Park	18/01/2017	PC	16.3	H	1	No data	No data	3	Flying W to E within basin
Clarisford Park	18/01/2017	PC	16.34	WS	9	No data	No data	5	Flying W to E into basin
Clarisford Park	18/01/2017	PC	16.34	BH	9	No data	No data	60	Flying N toward LD
Clarisford Park	18/01/2017	PC	16.37	WS	5	No data	No data	5	Flying W to E into basin
Clarisford Park	18/01/2017	PC	16.39	BH	23	No data	No data	60	Flying N toward LD
Clarisford Park	18/01/2017	PC	17.08	TU	30	No data	No data	4	Circling within basin
Clarisford Park	18/01/2017	PC	17.22	SN	10	No data	No data	10	Flying from reeds
Ardcloony	19/01/2017	PC	7.35	GJ	72	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	MS	16	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	CA	10	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	MA	8	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	TU	110	No data	No data	No data	On arrival

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Ardcloony	19/01/2017	PC	No data	L	31	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	BH	45	No data	No data	No data	On arrival (regular flights throughout view shed foraging)
Ardcloony	19/01/2017	PC	No data	PT	3	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	TU	3	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	No data	GN	5	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	7.35	CA	4	No data	No data	10	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	7.4	M	8	No data	No data	20	Flying SW off basin
Ardcloony	19/01/2017	PC	7.41	GJ	27	No data	No data	20	Flying SW off basin
Ardcloony	19/01/2017	PC	7.43	GJ	15	No data	No data	20	Flying SW off basin
Ardcloony	19/01/2017	PC	7.44	CA	3	No data	No data	10	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	8.11	CA	1	No data	No data	50	Flying S out of basin
Ardcloony	19/01/2017	PC	8.15	TU	45	No data	No data	5	Flying N to L D
Ardcloony	19/01/2017	PC	8.26	CA	2	No data	No data	10	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	8.27	CU	8	No data	No data	10	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	8.31	TU	14	No data	No data	5	Flying N to L D
Ardcloony	19/01/2017	PC	8.31	CA	1	No data	No data	20	Flying N to L D
Ardcloony	19/01/2017	PC	8.37	CA	3	No data	No data	20	Flying N to L D
Ardcloony	19/01/2017	PC	8.4	MA	6	No data	No data	No data	Periodically flying not mapped (within basin)
Ardcloony	19/01/2017	PC	8.4	H	2	No data	No data	10	Flying within basin, landed (x)
Ardcloony	19/01/2017	PC	8.47	CA	1	No data	No data	20	Flying N to L D
Ardcloony	19/01/2017	PC	8.5	CA	1	No data	No data	10	Flying N to L D
Ardcloony	19/01/2017	PC	8.52	CA	1	No data	No data	10	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	8.54	TU	2	No data	No data	10	Circling within basin
Ardcloony	19/01/2017	PC	9.35	MS	2	No data	No data	20	Flying out of basin SW
Ardcloony	19/01/2017	PC	9.38	GJ	20	No data	No data	20	Flying W left basin
Ardcloony	19/01/2017	PC	9.45	TU	1	No data	No data	10	Flying within basin
Ardcloony	19/01/2017	PC	9.55	CA	1	No data	No data	10	Flying within basin
Ardcloony	19/01/2017	PC	9.5	H	1	No data	No data	30	Flying S left basin
Ardcloony	19/01/2017	PC	10.01	GJ	6	No data	No data	20	Flying W left basin
Ardcloony	19/01/2017	PC	10.04	BH	22	No data	No data	20	Flying N to L D
Ardcloony	19/01/2017	PC	10.06	L	31	No data	No data	15	Circling, briefly returned to spot
Ardcloony	19/01/2017	PC	10.2	CA	1	No data	No data	10	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	10.21	CA	1	No data	No data	20	Flying N to L D
Ardcloony	19/01/2017	PC	10.33	H	1	No data	No data	20	Flying N to L D
Ardcloony	19/01/2017	PC	11.05	MS	15	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	L	31	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	GJ	26	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	BH	31	No data	No data	No data	On arrival (flying throughout view shed foraging)
Ardcloony	19/01/2017	PC	11.05	T	4	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	TU	135	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	PT	3	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	MH	1	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	RK	1	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	KF	1	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	LG	5	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	PO	3	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.05	No data	4	No data	No data	No data	On arrival
Ardcloony	19/01/2017	PC	11.1	CA	1	No data	No data	30	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	11.12	BH	21	No data	No data	15	Flying N landed within basin
Ardcloony	19/01/2017	PC	11.24	TU	2	No data	No data	20	Flying S landed within basin
Ardcloony	19/01/2017	PC	11.31	CA	4	No data	No data	50	Flying S in direction of LS
Ardcloony	19/01/2017	PC	11.53	L	14	No data	No data	15	Flying S toward lower Shannon (LS)
Ardcloony	19/01/2017	PC	11.53	CA	1	No data	No data	30	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	12.01	CA	1	No data	No data	30	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	12.02	T	1	No data	No data	4	Flying N to L D
Ardcloony	19/01/2017	PC	12.12	T	11	No data	No data	4	Flying N within basin
Ardcloony	19/01/2017	PC	12.15	CA	1	No data	No data	30	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	12.25	BZ	1	No data	No data	60	Circling on E shore
Ardcloony	19/01/2017	PC	12.31	MS	1	No data	No data	30	Flying S to river on E shore
Ardcloony	19/01/2017	PC	12.4	CA	1	No data	No data	20	Flying S landed within basin
Ardcloony	19/01/2017	PC	13.09	H	1	No data	No data	30	Commuting across basin
Ardcloony	19/01/2017	PC	13.1	BZ	1	No data	No data	No data	Mobbed by HC flew W to E across basin
Ardcloony	19/01/2017	PC	13.11	CA	1	No data	No data	30	Flying S toward lower Shannon

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Ardcloony	19/01/2017	PC	13.21	CA	1	No data	No data	30	Flying S toward lower Shannon
Ardcloony	19/01/2017	PC	13.31	BH	12	No data	No data	20	Flying landed within basin
Ardcloony	19/01/2017	PC	13.58	CA	2	No data	No data	4	Flying N to L D
Ardcloony	19/01/2017	PC	13.58	PO	3	No data	No data	10	Short flight within basin
Ardcloony	19/01/2017	PC	14	TU	54	No data	No data	10	Short flight within basin
Ardcloony	19/01/2017	PC	14	MS	3	No data	No data	50	Flying S in direction of LS
Flanagans	20/01/2017	PC	7.35	BH	18	No data	No data	No data	On arrival (Flying within view shed regularly during watch-foraging (flocks 1-8)
Flanagans	20/01/2017	PC	7.35	MS	2	No data	No data	No data	On arrival
Flanagans	20/01/2017	PC	7.35	MA	3	No data	No data	No data	On arrival (flying within view shed regularly around river (flocks 1-3)
Flanagans	20/01/2017	PC	7.35	BH	45	No data	No data	20	Commuting flight S toward Parteen
Flanagans	20/01/2017	PC	8.09	MA	1	No data	No data	20	Flying E to W within view shed
Flanagans	20/01/2017	PC	8.15	CA	1	No data	No data	50	Commuting flight S toward Parteen
Flanagans	20/01/2017	PC	8.35	CA	1	No data	No data	60	Flying N to L D
Flanagans	20/01/2017	PC	8.35	MA	1	No data	No data	50	Commuting N toward LD
Flanagans	20/01/2017	PC	8.47	CA	1	No data	No data	60	Commuting flight S toward Parteen
Flanagans	20/01/2017	PC	8.47	CA	2	No data	No data	30	Commuting N landed within view shed
Flanagans	20/01/2017	PC	9.3	CA	1	No data	No data	60	Flying N to L D
Flanagans	20/01/2017	PC	9.39	CA	1	No data	No data	1	Flying N to L D
Flanagans	20/01/2017	PC	9.42	CA	1	No data	No data	1	Flying N to L D
Flanagans	20/01/2017	PC	9.45	H	1	No data	No data	4	Flew in landed x
Flanagans	20/01/2017	PC	9.46	CA	1	No data	No data	60	Flying N to L D
Flanagans	20/01/2017	PC	1.1	MS	2	No data	No data	30	Flying N to L D
Flanagans	20/01/2017	PC	10.1	CA	1	No data	No data	60	Flying N to L D
Clarisford Park	20/01/2017	PC	11.05	BH	40	No data	No data	No data	On arrival (flying / foraging within view shed for duration of watch (plus 40 flushed periodically from village by pedestrians)
Clarisford Park	20/01/2017	PC	11.05	CA	1	No data	No data	No data	On arrival
Clarisford Park	20/01/2017	PC	11.05	MA	6	No data	No data	No data	On arrival (regular flights within view shed, short flights within village)
Clarisford Park	20/01/2017	PC	11.05	MS	2	No data	No data	No data	On arrival
Clarisford Park	20/01/2017	PC	11.07	CA	1	No data	No data	40	Flying S toward Parteen commuting flight
Clarisford Park	20/01/2017	PC	11.12	BH	2	No data	No data	60	Flying W away from catchment
Clarisford Park	20/01/2017	PC	11.21	CA	1	No data	No data	60	Flying S toward Parteen commuting flight
Clarisford Park	20/01/2017	PC	11.3	BH	11	No data	No data	60	Flying W away from catchment
Clarisford Park	20/01/2017	PC	11.3	CA	1	No data	No data	60	Flying S toward Parteen commuting flight
Clarisford Park	20/01/2017	PC	11.51	CA	1	No data	No data	60	Flew S within view shed and landed (x)
Clarisford Park	20/01/2017	PC	12.18	CA	1	No data	No data	No data	Flying N toward LD
Clarisford Park	20/01/2017	PC	12.35	CA	1	No data	No data	60	Flew N within view shed and landed (x)
Clarisford Park	20/01/2017	PC	12.41	MS	1	No data	No data	25	Flying S toward Parteen
Clarisford Park	20/01/2017	PC	12.56	CA	1	No data	No data	60	Flying N toward LD
Clarisford Park	20/01/2017	PC	13	CA	1	No data	No data	40	Flying S toward Parteen commuting flight
Clarisford Park	20/01/2017	PC	13.02	CA	1	No data	No data	40	Flying S toward Parteen commuting flight
Clarisford Park	20/01/2017	PC	13.17	H	1	No data	No data	4	Flew and landed within view shed
Clarisford Park	20/01/2017	PC	13.46	CA	1	No data	No data	50	Flying N toward LD
Ardcloony	20/02/2017	AB	No data	GG	1	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	MA	2	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	TU	58	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	MS	10	No	No data	No data	No data
Ardcloony	20/02/2017	AB	12:43	TU	4	Yes	35	1-2m	TU flew S, turning E towards far bank@1-2m (35s)
Ardcloony	20/02/2017	AB	12:50	CA	1	Yes	30	10	CA flew NE towards island@10m (30 s)
Ardcloony	20/02/2017	AB	12:53	TU	1	Yes	45	5	TU flew SW, turning back around before looping again & landing. 5m (45s)
Ardcloony	20/02/2017	AB	13:08	BH	12	Yes	90	5	BH flew S@1m alone E bank (90s)
Ardcloony	20/02/2017	AB	13:16	CA	1	Yes	100	5	CA flew E towards island. 10m. Spooked 2nd CA into flight as it continued in an E direction towards bank where it followed the bank S
Ardcloony	20/02/2017	AB	13:16	CA	1	Yes	45	40	CA got spooked from tree on island flies W before looping back E @40m and landed on island again (45s)
Ardcloony	20/02/2017	AB	13:43	TU	2	Yes	10	5	TU flew @1m, raising to 5m (10s) before dropping to 1m again & landing (30s)
Ardcloony	20/02/2017	AB	13:54	BH	9	Yes	40	1	BH flew S along E bank @1m (40s)
Ardcloony	20/02/2017	AB	14:17	BH	9	Yes	10	1	BH flew W from bank @1m, before turning around again 10s)
Ardcloony	20/02/2017	AB	14:39	BH	15	Yes	30	5	BH flew along bank @1m. 10 land, while 5 continue S 7 raise to 20m over weir, before turning W over three out of view
Ardcloony	20/02/2017	AB	14:51	TU	6	Yes	60	2-3m	TU flew @2-3m for 25s before looping around to return flying N direction, 2 land, while other 4 land 20m after (60s)
Ardcloony	20/02/2017	AB	15:10	CA	1	Yes	20	10	CA flew E from island @10m before turning around & landing on island again
Ardcloony	20/02/2017	AB	No data	LB	8	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	MS	12	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	TU	29	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	CO	1	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	GN	2	No	No data	No data	No data
Ardcloony	20/02/2017	AB	No data	CA	1	No	No data	No data	No data

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Ardcloony	20/02/2017	AB	15:46	TU	8	Yes	30	1	TU flew S @1m loop around & land back on the water
Ardcloony	20/02/2017	AB	15:50	ET	1	Yes	20	2-3m	ET flew W from island, behind spit and out of view
Ardcloony	20/02/2017	AB	15:55	TU	3	Yes	35	1-5m	TU flew S @1m loop around, gaining altitude (2m @5s) before landing (35s)
Ardcloony	20/02/2017	AB	15:56	TU	5	Yes	70	2m	TU flew S @1m. Turn around to 2m. Return back N and land behind spit (70s)
Ardcloony	20/02/2017	AB	16:00	BH	15	Yes	30	10	BH landing @10m (30s)
Ardcloony	20/02/2017	AB	16:15	BH	24	Yes	60	20	BH flew along E embankment to L.Derg
Ardcloony	20/02/2017	AB	16:17	TU	9	Yes	30	5-6m	TU flew N@5-6m past island, & out of view (30s)
Ardcloony	20/02/2017	AB	16:32	MA	3	Yes	20	20	MA flew @20m from SW to L.Derg direction (20s)
Ardcloony	20/02/2017	AB	16:34	MA	1	Yes	30	20	MA flew @20m from S to N (30s)
Ardcloony	20/02/2017	AB	16:40	LB	1	Yes	60	10	LB flew SE from island to buoy @10m (60s)
Ardcloony	20/02/2017	AB	16:45	TU	1	Yes	90	6	TU flew S, circled then flew E @6m (90s)
Ardcloony	20/02/2017	AB	16:50	CA	1	Yes	60	20	CA flew from S @20m (60s)
Ardcloony	20/02/2017	AB	16:51	BH	50	Yes	60	40	BH flew N past island @40m (60s)
Ardcloony	20/02/2017	AB	16:56	BH	25	Yes	90	15-20m	BH flew N past island @15-20m (90s)
Ardcloony	20/02/2017	AB	17:05	BH	65	Yes	60	40	BH flew N @40m (60s)
Ardcloony	20/02/2017	AB	17:07	CA	1	Yes	60	2	CA flew SW @2m (60s)
Ardcloony	20/02/2017	AB	17:20	BH	138	Yes	180	40	BH flew N @40m (80s)
Ardcloony	20/02/2017	AB	17:23	CA	1	Yes	60	5	CA flew from SW to E @5m (60s)
Ardcloony	20/02/2017	AB	17:34	BH	90	Yes	180	40	BH flew N past island
Ardcloony	20/02/2017	AB	17:35	CA	1	Yes	60	20	CA flew from SW to N @20m (60s)
Ardcloony	20/02/2017	AB	17:36	TU	4	Yes	60	2	TU flew from E to W to land on gravel bar. 2m (60s)
Ardcloony	20/02/2017	AB	17:39	TU	3	Yes	30	3	TU flew in semi-circle from E to W. 3m (30s)
Ardcloony	20/02/2017	AB	17:50	CA	1	Yes	60	20	CA flew N @20m to land on island (60s)
Ardcloony	20/02/2017	AB	17:51	BH	8	Yes	120	40	BH flew N @40m (120s)
Ardcloony	20/02/2017	AB	18:06	TU	4	Yes	60	3	TU flew from NW to lake @3m (60s)
Ardcloony	20/02/2017	AB	18:20	GJ	29	Yes	120	2	GJ flew N. 4 split to land near island, 25 flew N to fields @2m (120s)
Flanagans	21/02/2017	AB	No data	CA	1	No	No data	No data	No data
Flanagans	21/02/2017	AB	No data	BH	32	No	No data	No data	No data
Flanagans	21/02/2017	AB	No data	MA	6	No	No data	No data	No data
Flanagans	21/02/2017	AB	12:27	MA	1	Yes	20	10	MA flew S over bridge. Takes off from river &increases to 25m
Flanagans	21/02/2017	AB	12:42	H	1	Yes	60	120	H flew NNW over bridge @ 120m & continues over building out of view (60s)
Flanagans	21/02/2017	AB	12:52	MA	2	Yes	20	10	MA flew NNW from water around bend and out of view @10m (20s)
Flanagans	21/02/2017	AB	13:08	CA	1	Yes	60	80	CA flew N/NW following crowd over bridge @80m (60s)
Flanagans	21/02/2017	AB	13:10	MA	1	Yes	15	5	MA flew S from one side of the river @5m (15s)
Flanagans	21/02/2017	AB	13:10	MA	2	Yes	35	70	MA flew SW across river circle around @70m & continue out of view (35s
Flanagans	21/02/2017	AB	13:20	CA	1	Yes	35	0	CA taken off water & follows river NW @0m (35s)
Flanagans	21/02/2017	AB	13:38	BH	16	Yes	40	80	BH flew NW over bridge & continue over trees & around bed & out of view (80m for 40s)
Flanagans	21/02/2017	AB	13:38	CA	1	Yes	50	20	CA flew SE following river @20m, increasing to 30m over bridge &around church
Flanagans	21/02/2017	AB	13:39	MA	1	Yes	30	20	MA flew SE following river @20m, land down behind bridge (30s)
Flanagans	21/02/2017	AB	13:48	MA	3	Yes	30	25	MA flew NW over bridge @25m. 1 MA turns back over bridge while other two follow channel. Reducing height to 3m at bed
Flanagans	21/02/2017	AB	13:51	CA	1	Yes	30	1	CA flew SW around bed @1m, before turning around again & going out of view (30s)
Flanagans	21/02/2017	AB	13:54	MA	1	Yes	25	30	MA flew SW @30m, following river over bridge where she turns over church (25s)
Flanagans	21/02/2017	AB	14:01	CA	1	Yes	25	25	CA flew NW @25m, following river channel over trees & bed out of view (25s)
Flanagans	21/02/2017	AB	14:02	CA	1	Yes	10	5	CA flew SW around bed @ 5m towards jetties & landed in water (10s)
Flanagans	21/02/2017	AB	14:22	MA	2	Yes	30	15	MA flew N across river before looping around @15m (30s)
Flanagans	21/02/2017	AB	14:23	MA	3	Yes	20	10	MA flew E across river over bridge @ 10m & landed (20s)
Flanagans	21/02/2017	AB	14:35	BH	30	Yes	90	60-70m	BH flew NW @25m, following river channel & around bed & out of view
Flanagans	21/02/2017	CW	16:36	H	1	Yes	60	40	H flew downstream over bridge @40m for 60s
Flanagans	21/02/2017	CW	16:36	BH	72	Yes	60	40	BH flew upstream towards L.Derg @40m for 60s.
Flanagans	21/02/2017	CW	16:47	BH	160	Yes	60	40	BH flew upstream towards L.Derg @40m for 60s.
Flanagans	21/02/2017	CW	16:55	BH	180	Yes	60	40	BH flew upstream towards L.Derg @40m for 60s.
Flanagans	21/02/2017	CW	17:08	MA	2	Yes	20	30	MA flew N over/up @30m for 20s
Flanagans	21/02/2017	CW	17:09	MA	3	Yes	10	5	MA flew downstream over bridge @5m for 10s. Towards land
Flanagans	21/02/2017	CW	17:10	MA	3	Yes	40	10	MA flew from below bridge upstream, circled and landed at Marina
Flanagans	21/02/2017	CW	17:13	MA	3	Yes	40	20	MA flew upstream from canal @20m towards L. Derg
Flanagans	21/02/2017	CW	17:14	MA	1	Yes	30	20	MA flew downstream towards bridge then circled and landed at Marina. 20m for 40s
Flanagans	21/02/2017	CW	17:25	BH	62	Yes	60	40	BH flew upstream towards L.Derg @40m for 60s.
Flanagans	21/02/2017	CW	17:33	BH	20	Yes	60	40	Group of 20 BH flew upstream towards L.Derg @40m for 60s. Spread out in groups
Flanagans	21/02/2017	CW	17:40	BH	250	Yes	60	40	BH flew upstream towards L.Derg @40m for 60s.
Flanagans	21/02/2017	CW	17:45	MA	1	Yes	40	30	MA flew upstream from below bridge to L. Derg @30m for 40s
Flanagans	21/02/2017	CW	17:46	BH	43	Yes	60	40	BH flew upstream towards L.Derg @40m for 60s.
Flanagans	21/02/2017	CW	18:17	MA	2	Yes	40	20	MA flew from downstream, circled over bridge to land in canal. 20m for 40s
Clarisford Park	22/02/2017	AB	06:50	H.	1	Yes	15	2	H. Flys S. Lost sight due to poor light.

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Clarisford Park	22/02/2017	AB	07:15	BH	209	Yes	780	1	BH flew S across lake @1m
Clarisford Park	22/02/2017	AB	07:23	WS	12	Yes	40	1	WS flew across lake from behind reed bed @1m
Clarisford Park	22/02/2017	AB	07:31	WS	3	Yes	20	1	WS flew across lake from behind reed bed @1m
Clarisford Park	22/02/2017	AB	07:39	TU	1	Yes	30	0	TU flew S down lake @ 10m
Clarisford Park	22/02/2017	AB	07:46	BH	45	Yes	50	10-12m	BH flew S, turn around at and head back @10-12m
Clarisford Park	22/02/2017	AB	07:47	KF	2	Yes	1	30	KF flew around corner and turn W towards reed bed @1m for 30s
Clarisford Park	22/02/2017	AB	No data	LG	5	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	GG	2	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	TU	80	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	GN	13	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	CA	1	Yes	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	CA	1	Yes	No data	No data	CA flew S down middle of river
Clarisford Park	22/02/2017	AB	No data	CA	1	Yes	No data	No data	CA flew S down E side of river
Clarisford Park	22/02/2017	AB	No data	BH	156	Yes	No data	1	BH flew S across lake @1m
Clarisford Park	22/02/2017	AB	No data	TU	2	Yes	No data	1	TU flew along river @1m
Clarisford Park	22/02/2017	AB	08:17	TU	5	Yes	20	2	TU flew S, turning W around corner @2m
Clarisford Park	22/02/2017	AB	08:19	TU	2	Yes	15	1	TU flew along river @1m landing in water
Clarisford Park	22/02/2017	AB	08:45	LG	1	Yes	20	1	LG flew SE from reedbed to middle of lake @1m for 20s
Clarisford Park	22/02/2017	AB	08:58	TU	1	Yes	10	1	TU flew E across lake @1m to join other flock (10s)
Clarisford Park	22/02/2017	AB	08:59	MA	1	Yes	30	2	MA flew S, turning W around corner to reedbed @2m to land (30s)
Clarisford Park	22/02/2017	AB	09:15	TU	1	Yes	10	1	TU flew across lake to reed bed @1m (10s)
Clarisford Park	22/02/2017	AB	09:15	MA	1	Yes	20	3	MA flew S, turning E & back N @ 3m (20s)
Clarisford Park	22/02/2017	AB	09:21	SN	4	Yes	25	3-4m	SN flew W across lake to reedbed @3-4m (25s)
Clarisford Park	22/02/2017	AB	09:32	TU	44	Yes	60	1	TU flew SW around bed @1m due to disturbance
Clarisford Park	22/02/2017	AB	09:32	GN	20	Yes	60	1	GN flew SW around bed @1m due to disturbance
Clarisford Park	22/02/2017	AB	09:32	GG	2	Yes	60	1	No data
Clarisford Park	22/02/2017	AB	No data	CA	1	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	TUI	41	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	LG	5	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	MS	4	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	GG	2	No	No data	No data	No data
Clarisford Park	22/02/2017	AB	No data	GN	6	No	No data	No data	No data
Clarisford Park	22/02/2017	CW	10:24	KF	2	Yes	60	2	KF flew around corner of VP to reedbed
Clarisford Park	22/02/2017	CW	10:30	CA	1	Yes	60	1-2m	CA flew S towards weir @1-2m for 60s
Clarisford Park	22/02/2017	CW	10:54	LB	7	Yes	60	40	LB flew from S towards L. Derg @ 40m for 60s
Clarisford Park	22/02/2017	CW	10:57	TU	3	Yes	40	20	TU flew from W to E across lake circled & landed. 20m for 40s
Clarisford Park	22/02/2017	CW	10:57	TU	3	Yes	30	15	TU flew N from centre of lake, circled then landed. 15m for 30s
Clarisford Park	22/02/2017	CW	11:06	TU	1	Yes	30	4	TU flew from W E of lake to land. 4m for 30s
Clarisford Park	22/02/2017	CW	11:36	GG	1	Yes	20	2	GG flew N to lake then landed. 2m for 20s
Clarisford Park	22/02/2017	CW	11:45	SH	1	Yes	20	20	SH flew around corner of VP across weed bed. 20s @20m
Clarisford Park	22/02/2017	CW	11:51	KF	1	Yes	20	2	KF flew around corner of VP to reedbed
Clarisford Park	22/02/2017	CW	11:59	TU	1	Yes	15	3	TU flew in circle in middle of lake
Clarisford Park	22/02/2017	CW	12:01	TU	1	Yes	30	3	TU flew N to land with flock in middle of the lake. 3m for 30s
Clarisford Park	22/02/2017	CW	12:04	TU	2	Yes	40	3	TU flew N, one landed, other branched, circled back & landed. 3m for 40s
Clarisford Park	22/02/2017	CW	12:05	MA	1	Yes	15	1	MA flew around corner of VP to reedbed. @1m for 15s
Clarisford Park	22/02/2017	CW	12:07	H	1	Yes	60	15	H flew from W to right of up across lake. 15m for 60s
Clarisford Park	22/02/2017	CW	No data	CO	1	No	No data	No data	No data
Clarisford Park	22/02/2017	CW	12:17	BH	35	Yes	60	40	BH flew S @40m for 60s
Clarisford Park	22/02/2017	CW	12:28	CA	1	Yes	20	1	CA flew SW the length of the lake, 1m 20s
Flanagans	22/03/2017	AB	No data	BH	18	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	MS	4	No	No data	No data	No data
Flanagans	22/03/2017	AB	10:40	BH	2	Yes	15	10	BH flew E @10m (15s)
Flanagans	22/03/2017	AB	10:41	MA	2	Yes	20	20	MA flew S @ 20m, landing behind bridge
Flanagans	22/03/2017	AB	11:00	BH	4	Yes	140	15	BH flew N around corner out of view @15m (140s)
Flanagans	22/03/2017	AB	11:05	LB	1	Yes	110	30	LB flew N @30m. Following water course very slowly & out of view
Flanagans	22/03/2017	AB	11:10	MA	4	Yes	25	70	MA flew E @ 70m turning S over bridge at water & landing in water
Flanagans	22/03/2017	AB	11:12	BH	15	Yes	90	20-30m	BH follow river N @20-30m. Following water course & out of view
Flanagans	22/03/2017	AB	11:29	BH	11	Yes	30	10	BH follow river N @10m. Following water course & out of view
Flanagans	22/03/2017	AB	11:37	BH	14	Yes	20	15-20m	BH follow river @15-20m. Following water course & out of view
Flanagans	22/03/2017	AB	11:55	BH	16	Yes	35	10	BH follow river @10m. Following water course & out of view
Flanagans	22/03/2017	AB	12:05	CA	1	Yes	20	15	CA flew S @15m. Following water course & out of view
Flanagans	22/03/2017	AB	12:05	BH	35	Yes	130	10	BH flew S @10m. Following water course & out of view
Flanagans	22/03/2017	AB	12:28	BH	28	Yes	20	10	BH flew S from near canal around corner & out of view

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Flanagans	22/03/2017	AB	12:43	CA	1	Yes	25	15-20m	CA flew N @15-20m (25s). Following corridor & out of view
Flanagans	22/03/2017	AB	12:49	CA	1	Yes	20	25	CA flew N @25m along river corridor and around the corner. Following corridor & out of view
Flanagans	22/03/2017	AB	12:52	MA	4	Yes	25	60	MA flew E @ 60m, turning S at water over bridge, following corridor & out of view
Flanagans	22/03/2017	AB	13:13	MA	1	Yes	15	20	MA takes off from under bridge & flies N @20m (15s)
Flanagans	22/03/2017	AB	13:15	MA	2	Yes	17	10	MA follow shortly on from one above @ 10m.Following corridor & out of view
Flanagans	22/03/2017	AB	No data	WS	1	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	MS	4	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	TU	30	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	GG	3	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	MH	1	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	MA	2	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	LG	1	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	R	2	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	LT	2	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	B	1	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	WR	1	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	GT	1	No	No data	No data	No data
Flanagans	22/03/2017	AB	No data	SC	6	No	No data	No data	No data
Flanagans	22/03/2017	AB	13:40	MS	1	Yes	30	1	MS flew N into bay area towards other swans before circling around and flying S @1m
Flanagans	22/03/2017	AB	13:41	H	1	Yes	15	3	H flew S from bay area, over corner & followed river @3m (15s)
Flanagans	22/03/2017	AB	13:55	CA	1	Yes	25	30	CA flew in a N direction @30m
Flanagans	22/03/2017	AB	14:25	MS	1	Yes	40	10	MS flew N @10m, dropping to 1m, he lands before circling around & flying back S
Flanagans	22/03/2017	AB	14:25	MS	2	Yes	10	1	MS gets spooked by other & fly N out of view @1m (10s)
Flanagans	22/03/2017	AB	14:38	TU	1	Yes	8	1.5	TU flew N @1.5m, past VP & out of view
Flanagans	22/03/2017	AB	14:52	CA	2	Yes	20	60	CA flew N @60m, around past VP & out of view
Flanagans	22/03/2017	AB	14:53	CA	1	Yes	15	5	2nd CA follows a minute later @5m (15s)
Flanagans	22/03/2017	AB	15:14	CA	1	Yes	10	1	CA flies N @1m, around past VP & out of view
Flanagans	22/03/2017	AB	15:22	BH	4	Yes	15	10	BH flew N @10m. Following river corridor
Flanagans	22/03/2017	AB	15:55	H	1	Yes	35	20	H flew N @20m, following river corridor
Flanagans	22/03/2017	AB	16:13	CA	1	Yes	10	1	CA flew NW across lake @1m (10s)
Flanagans	22/03/2017	AB	16:28	CA	1	Yes	24	10	CA flew NW, before turning back S @ landing on marker in river (24s @10m)
Flanagans	22/03/2017	AB	16:29	MA	1	Yes	10	5	MA flew W @5m, landed in bay (5s)
Flanagans	22/03/2017	AB	16:29	TU	13	Yes	20	5	TU flew N, then turned back S @5m (5s)
Clarisford	22/03/2017	CW	No data	GG	4	No	No data	No data	No data
Clarisford	22/03/2017	CW	No data	TU	23	No	No data	No data	No data
Clarisford	22/03/2017	CW	No data	MA	1	No	No data	No data	No data
Clarisford	22/03/2017	CW	No data	MS	1	No	No data	No data	No data
Clarisford	22/03/2017	CW	No data	LG	1	No	No data	No data	No data
Clarisford	22/03/2017	CW	17:05	MA	2	Yes	30	10	MA flew W across lake to land in reedbed. 10m for 30s
Clarisford	22/03/2017	CW	17:07	TU	8	Yes	No data	1	TU flew @1m for short distance
Clarisford	22/03/2017	CW	17:17	CA	1	Yes	45	20	CA flew from middle of lake N @20m for 45s
Clarisford	22/03/2017	CW	17:18	MA	2	Yes	30	1	MA flew from reedbeds to centre of lake @1m for 30s
Clarisford	22/03/2017	CW	17:22	MA	1	Yes	30	1	MA flew from centre of lake, circled then flew SW towards weir. 1m for 30s
Clarisford	22/03/2017	CW	17:22	MA	1	Yes	20	1	MA flew from centre of lake, West towards reedbed. 1m for 20s.
Clarisford	22/03/2017	CW	17:46	BH	2	Yes	60	20	BH flew S to N for 60s @20m
Clarisford	22/03/2017	CW	17:56	BH	23	Yes	60	20	BH flew S to N for 60s @20m
Clarisford	22/03/2017	CW	18:14	MA	3	Yes	20	10	MA flew from N to land in reedbed @ W edge of the lake. 10m for 30s
Clarisford	22/03/2017	CW	19:12	LG	1	Yes	10	1	LG flew from reedbed, S and out of view. 1m for 10s
Ardcloony	23/03/2017	CW	No data	TU	47	No	No data	No data	No data
Ardcloony	23/03/2017	CW	No data	MS	11	No	No data	No data	No data
Ardcloony	23/03/2017	CW	No data	GG	2	No	No data	No data	No data
Ardcloony	23/03/2017	CW	No data	MA	2	No	No data	No data	No data
Ardcloony	23/03/2017	CW	06:16	H	1	Yes	60	30	H flew from trees on W edge of lake, S over weir downstream. 30m for 60s
Ardcloony	23/03/2017	CW	06:21	CA	1	Yes	120	15	CA flew S along middle of lake over weir. 15m for 120s
Ardcloony	23/03/2017	CW	06:26	BH	1	Yes	30	1	BH flew low across water then landed. 1m for 30s
Ardcloony	23/03/2017	CW	06:32	TU	5	Yes	30	1	TU flew in circle to land back on water again. 1m for 30s
Ardcloony	23/03/2017	CW	06:34	MA	2	Yes	30	15	MA rose from lake edge, circled then flew W over trees. 15m for 30s
Ardcloony	23/03/2017	CW	06:44	TU	7	Yes	30	1	TU flew in large circle to land on lake again. 1m for 30s
Ardcloony	23/03/2017	CW	06:46	MA	2	Yes	60	5	MA flew from E to W across lake, behind island. 5m for 60s
Ardcloony	23/03/2017	CW	06:50	CA	1	Yes	45	30	CA flew along W shore of lake then out of view over trees. 30m for 45s
Ardcloony	23/03/2017	CW	06:52	BH	2	Yes	100	20	BH flew in circular fashion S along lake then out of view over weir. 20m for 100s
Ardcloony	23/03/2017	CW	06:53	CA	1	Yes	60	5	CA began flying N then turned in strong wind and flew downstream. 5m for 60s
Ardcloony	23/03/2017	CW	07:10	CA	2	Yes	120	0.5	CA flew N from weir to land near islands

Location	Date	Observer	Observation Time	Species	Number	Flight (Y/N)	Time Interval (sec)	Height (m)	Notes
Ardcloony	23/03/2017	CW	07:18	TU	4	Yes	30	1	TU flew 400m up the lake to land in flock. 1m for 30s
Ardcloony	23/03/2017	CW	07:23	H	1	Yes	60	1	H flew low along W bank of lake then landed. 1m for 60s
Ardcloony	23/03/2017	CW	07:33	TU	4	Yes	30	1	TU flew low N up lake from weir then landed. 1m for 30s
Ardcloony	23/03/2017	CW	07:36	MA	1	Yes	60	3	MA flew up lake from weir then out of view behind trees. 3m for 60s
Ardcloony	23/03/2017	CW	07:45	CA	1	Yes	120	0.5	CA flew low up the island. 0.5m for 120s
Ardcloony	23/03/2017	CW	07:45	LB	1	Yes	120	30	LB flew along E shore of lake. 30m for 120s
Ardcloony	23/03/2017	CW	07:55	MS	1	Yes	45	15	MS flew from W to E of lake out of view behind embarkment. 15m for 45s
Ardcloony	23/03/2017	CW	08:06	CA	1	Yes	60	2	CA flew N up lake then landed on water. 2m for 60s
Ardcloony	23/03/2017	CW	08:08	MA	2	Yes	60	3	MA flew up lake from weir then out of view behind trees. 3m for 60s
Ardcloony	23/03/2017	CW	08:17	BH	11	Yes	120	5	BH flew along E shore of lake, N and out of view. 5m for 120s
Ardcloony	23/03/2017	CW	No data	MS	8	No	No data	No data	No data
Ardcloony	23/03/2017	CW	No data	TU	97	No	No data	No data	No data
Ardcloony	23/03/2017	CW	No data	H	1	No	No data	No data	No data
Ardcloony	23/03/2017	CW	09:55	CA	1	Yes	60	5	CA began flying N from weir, circled then out of view over trees. 5m for 60s
Ardcloony	23/03/2017	CW	10:06	LB	1	Yes	30	20	LB flew along E shore at embarkment then out of view. 20m for 30s
Ardcloony	23/03/2017	CW	10:25	BH	10	Yes	120	1	BH flew N along middle of lake then out of view behind islands. 1m for 120s
Ardcloony	23/03/2017	CW	10:40	MA	2	Yes	60	15	MA flew from behind trees, down middle of lake, over weir. 15m 60s
Ardcloony	23/03/2017	CW	10:44	CA	1	Yes	80	1	CA flew along middle of lake then out of view behind trees. 1m for 80s
Ardcloony	23/03/2017	CW	10:54	BH	1	Yes	45	1	BH flew along lake then landed on gravel beach. 1m for 45s
Ardcloony	23/03/2017	CW	10:25	MA	No data	Yes	120	1	BH flew N along middle of lake then out of view behind islands. 1m for 120s
Ardcloony	23/03/2017	CW	11:00	MS	1	Yes	30	2	MS flew around island to land again 2m for 30s
Ardcloony	23/03/2017	CW	11:01	BH	16	Yes	180	1	BH began to W shore then crossed lake and continued N out of view. 1m for 180s
Ardcloony	23/03/2017	CW	11:05	BH	6	Yes	180	1	BH flew S to N along middle of lake out of view. 1m for180s
Ardcloony	23/03/2017	CW	11:12	CA	1	Yes	90	1	CA flew up the lake to land on tree on island. 1m for 90s
Ardcloony	23/03/2017	CW	11:18	BH	1	Yes	180	30	BH circling along W shore of lake out of view behind embarkment. 20m for 30s
Ardcloony	23/03/2017	CW	11:28	CA	1	Yes	30	20	CA flew along E embarkment, out of view behind embarkment. 20m for 30s
Ardcloony	23/03/2017	CW	11:32	GJ	6	Yes	90	15	GJ flew along W shore of lake out of view behind trees. 15m for 90s
Ardcloony	23/03/2017	CW	11:33	CA	1	Yes	20	40	CA flew from N over VP and out of view over trees. 40m for 20s
Ardcloony	23/03/2017	CW	11:34	TU	2	Yes	10	1	TU flew short distance between flocks. Landed again. 1m for 10s
Ardcloony	23/03/2017	CW	11:40	GJ	2	Yes	30	1	GJ flew from behind island into bay, out of view behind trees
Ardcloony	23/03/2017	CW	11:44	TU	7	Yes	10	1	TU flew short distance out of view behind trees. 1m for 10
Ardcloony	23/03/2017	CW	12:03	CA	1	Yes	90	0.5	CA flew N up lake and out of view behind islands, 0.5m for 90
Ardcloony	23/03/2017	CW	12:08	MA	1	Yes	45	1-10M	MA flew from behind island, S over weir towards old river. 1-10m for 45s
Ardcloony	23/03/2017	CW	12:15	K	1	Yes	30	5	K flew across lake & began hunting on E bank. Out of view behind bank. 5m for 30s
Ardcloony	23/03/2017	CW	12:35	MS	2	Yes	120	10	MS flew S close to W shore, circled at weir then out of view. 10m for 120s
Flanagans	23/03/2017	AB	No data	BH	40	No	No data	No data	No data
Flanagans	23/03/2017	AB	No data	MA	4	No	No data	No data	No data
Flanagans	23/03/2017	AB	06:00	MA	2	Yes	45	50	MA head N @50m, before circling back around over bridge & flying S out of view
Flanagans	23/03/2017	AB	06:17	BH	20	Yes	90	1-5m	BH flew S @1-5m, landing around bridge & canal area (90s) forage up & down river
Flanagans	23/03/2017	AB	06:19	BH	10	Yes	40	2-3m	BH flew N, following channel @2-3m (40s)
Flanagans	23/03/2017	AB	06:30	MA	2	Yes	20	20	MA flew S @20m. Flew over bridge & continued downstream
Flanagans	23/03/2017	AB	06:43	CA	1	Yes	20	80	CA flew N @80m. Followed river around bed & out of view (70s)
Flanagans	23/03/2017	AB	06:49	MA	1	Yes	85	50	MA flew S @50m in a wide loop around bridge before turning back N & landing at corner
Flanagans	23/03/2017	AB	07:02	MA	1	Yes	17	2	MA took off from water & flew N around corner @2m (17s)
Flanagans	23/03/2017	AB	07:32	MA	1	Yes	15	2	MA flew N along river channel @2m. (15s)
Flanagans	23/03/2017	AB	08:00	MA	2	Yes	10	1	MA flew N from jetties, under bridge @1m & landed
Flanagans	23/03/2017	AB	08:12	MA	4	Yes	20	30	MA flew S @30m. Following river channel over bridge & landing around corner
Flanagans	23/03/2017	AB	08:15	BH	6	Yes	30	25	BH flew N from bridge over Flanagan's pub & out of view @25m
Flanagans	23/03/2017	AB	08:24	CA	1	Yes	10	10	CA flew N over bridge @10m. Landing in water just past it

Winter Bird Survey Results – 2017/2018

November 2017																				
Survey	Species BTO Code	BH	CA	CO	ET	GG	GJ	H.	HH	KF	L.	LB	LG	MA	MH	MS	TU	WA	WE	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great-crested Grebe	Greylag Goose	Grey Heron	Hen harrier	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Water Rail	White tailed Sea Eagle	Whooper Swan
	Subsite Name																			
I-WeBS L. Derg	Ballyheefy		1													12				
I-WeBS L. Derg	Bearoge Island	7								1	264					8	150	1		
I-WeBS L. Derg	Blackrock Point											1				2	75			
I-WeBS L. Derg	Castletown	9																		
I-WeBS L. Derg	Church Bay	55		1			40									2	26			31
I-WeBS L. Derg	Cloonmoylan Harbour	20		1		1								5	1	1	9			
I-WeBS L. Derg	Cloonoolia Bay A		4	2							24					6				
I-WeBS L. Derg	Derryoober east		1			1										1	41			
I-WeBS L. Derg	Dromineer Bay	4												2		3				
I-WeBS L. Derg	Duceys Harbour	20												5		2	2			
I-WeBS L. Derg	Friary	10											1	3		1				
I-WeBS L. Derg	Garrykennedy Harbour		5											2		10				
I-WeBS L. Derg	Gortmore		5	12		4							3			3	32			
I-WeBS L. Derg	Harbour View	6									8									
I-WeBS L. Derg	Kilcooney			20												1				
I-WeBS L. Derg	Kilgarvan	14	11	26		1	9		1				16	2		17	86			1
I-WeBS L. Derg	Knockaphort	22												2						
I-WeBS L. Derg	Knockaphort B	2														2	18			
I-WeBS L. Derg	Luska	42		28									6			6	6			
I-WeBS L. Derg	Old Village	3	13	1																
I-WeBS L. Derg	Parteen		4	6										10		10			1	
I-WeBS L. Derg	Portumna Bay	2	5											3						
I-WeBS L. Derg	Rinmaher Point	12		1									2							
I-WeBS L. Derg	Rinskea		14	8	1	1							2	6			41			
I-WeBS L. Derg	Rossmore Pier		1			2									1		2			
I-WeBS L. Derg	Silver Island												10							
I-WeBS L. Derg	Skehanagh		2											3			8			
I-WeBS L. Derg	Terryglass	15	1			1														
I-WeBS L. Derg	Youghal Harbour	18		29	1			1		1			6			25	85			
	Grand Total[2]	**261**	**67**	**135**	**2**	**11**	**49**	**1**	**1**	**2**	**296**	**1**	**46***	**43**	**2**	**112***	**581***	**1**	**1**	**32**

[2] **An Asterix (*) denotes that a species has met the 1% national threshold. An overview of these thresholds can be found in Appendix E.**
It is important to note that the I-WeBS counts were carried out over a two-day period, and so some species may have been counted twice erroneously.

Jacobs TOBIN

November 2017												
Survey	**Species BTO Code**	**BH**	**CA**	**CO**	**GG**	**GN**	**LG**	**MA**	**MS**	**PO**	**TU**	**T.**
	Species Name	**Black-headed Gull**	**Cormorant**	**Coot**	**Great-crested Grebe**	**Goldeneye**	**Little Grebe**	**Mallard**	**Mute Swan**	**Pochard**	**Tufted Duck**	**Teal**
	Subsite Name											
I-WeBS Parteen	Ardcloony		4			3		6	7		150	8
I-WeBS Parteen	Clarisford Park	18	1	30	1	7	17		11	2	200	
I-WeBS Parteen	O'Briensbridge	15										
	Grand Total[1]	**33**	**5**	**30**	**1**	**10**	**17**	**6**	**18**	**2**	**350***	**8**

December 2017																						
Survey	**Species BTO Code**	**BH**	**BZ**	**CA**	**CO**	**ET**	**GB**	**GJ**	**GN**	**H.**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**SN**	**T.**	**TU**	**WE**	**WS**
	Species Name	**Black-headed Gull**	**Buzzard**	**Cormorant**	**Coot**	**Little Egret**	**Great Black-backed Gull**	**Greylag Goose**	**Goldeneye**	**Grey Heron**	**Kingfisher**	**Lapwing**	**Lesser Black-backed Gull**	**Little Grebe**	**Mallard**	**Moorhen**	**Mute Swan**	**Snipe**	**Teal**	**Tufted Duck**	**White tailed Sea Eagle**	**Whooper Swan**
	Subsite Name																					
I-WeBS L. Derg	Ballycuggeran Bay	26							2				1		12		4			3		
I-WeBS L. Derg	Ballyeiragh	8		1																		
I-WeBS L. Derg	Ballyheefy	1				1									2							
I-WeBS L. Derg	Bearoge Island			1	1										22		2		97			
I-WeBS L. Derg	Bellevue													3								
I-WeBS L. Derg	Church Bay													1								
I-WeBS L. Derg	Cloondadauv 36			2																22		
I-WeBS L. Derg	Cloonmoylan Harbour							12							8					4		
I-WeBS L. Derg	Cloonoolia Bay A																20			4		
I-WeBS L. Derg	Derry Demesne								1													
I-WeBS L. Derg	Derryoober east				1												3			5		
I-WeBS L. Derg	Duceys Harbour			2	1								6	1	2		6			14		51
I-WeBS L. Derg	Friary							5						1	15	1		1		8		
I-WeBS L. Derg	Garrykennedy Harbour	8					4				1					1	4					
I-WeBS L. Derg	Gortmore		1	1											6		9					
I-WeBS L. Derg	Kilcooney																1					
I-WeBS L. Derg	Kilgarvan			4	8									4						5		
I-WeBS L. Derg	Knockaphort	2		1																8	1	
I-WeBS L. Derg	Knockaphort B			1	4															18		
I-WeBS L. Derg	Luska	75	1	2	15												6			3		
I-WeBS L. Derg	Portumna Bay	74		4	1					1					10	1						
I-WeBS L. Derg	Rinmaher Point															2	10				1	
I-WeBS L. Derg	Rossmore Pier											23										

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December 2017																						
Survey	Species BTO Code	BH	BZ	CA	CO	ET	GB	GJ	GN	H.	KF	L.	LB	LG	MA	MH	MS	SN	T.	TU	WE	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great Black-backed Gull	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Teal	Tufted Duck	White tailed Sea Eagle	Whooper Swan
	Subsite Name																					
I-WeBS L. Derg	Ryninch																4					
I-WeBS L. Derg	Silver Island	8													3					5		
I-WeBS L. Derg	Skehanagh														3							
I-WeBS L. Derg	Terryglass				1					1					23					3		
I-WeBS L. Derg	Youghal Harbour				1												11					
	Grand Total[1]	**202**	**2**	**19**	**33**	**1**	**4**	**17**	**3**	**2**	**1**	**23**	**7**	**10**	**106**	**5**	**80**	**1**	**97**	**102**	**2**	**51**

December 2017						
Survey	Species BTO Code	CA	CO	LG	MA	MS	TU
	Species Name	Cormorant	Coot	Little Grebe	Mallard	Mute Swan	Tufted Duck
	Sub-site Name						
I-WeBS Parteen	Ardcloony	2			4	4	200
I-WeBS Parteen	Clarisford Park	1	22	19		8	133
I-WeBS Parteen	O'Briensbridge					3	
	Grand Total[1]	**3**	**22**	**19**	**4**	**15**	**333***

January 2018																								
Survey	Species BTO Code	BH	BZ	CA	CO	CU	GB	GG	GJ	GN	GP	H.	K.	KF	L.	LB	LG	MA	MH	MS	ND	SH	T.	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Curlew	Great Black-backed Gull	Great Crested Grebe	Greylag Goose	Goldeneye	Golden Plover	Grey Heron	Kestrel	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Great Northern Diver	Sparrowhawk	Teal	Tufted Duck	Whooper Swan
	Subsite Name																								
I-WeBS L. Derg	Ballycuggeran Bay	20			1					2						1				4				5	
I-WeBS L. Derg	Ballyeiragh																	2							
I-WeBS L. Derg	Ballyheefy															1					1		1	42	
I-WeBS L. Derg	Bearoge Island																	8		2			10	2	
I-WeBS L. Derg	Bellevue				8			1									1								
I-WeBS L. Derg	Blackrock Point														11									4	
I-WeBS L. Derg	Bunglasha Bay																2		3					5	
I-WeBS L. Derg	Castletown													1											
I-WeBS L. Derg	Church Bay	1			14														1					3	
I-WeBS L. Derg	Cloondadauv 36	150													17			5		1					

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January 2018																								
Survey	Species BTO Code	BH	BZ	CA	CO	CU	GB	GG	GJ	GN	GP	H.	K.	KF	L.	LB	LG	MA	MH	MS	ND	SH	T.	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Curlew	Great Black-backed Gull	Great Crested Grebe	Greylag Goose	Goldeneye	Golden Plover	Grey Heron	Kestrel	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Great Northern Diver	Sparrowhawk	Teal	Tufted Duck	Whooper Swan
	Subsite Name																								
I-WeBS L. Derg	Cloondadauv 36B																		1						
I-WeBS L. Derg	Cloonmoylan Harbour	2																						36	
I-WeBS L. Derg	Cloonoolia Bay A			1																2				8	
I-WeBS L. Derg	Derry Demesne	2																							
I-WeBS L. Derg	Dromineer Bay	10			6										17		1			2				5	
I-WeBS L. Derg	Duceys Harbour			1	4		2																	14	
I-WeBS L. Derg	Friary	8		1			1		5								1		3	2			20	2	
I-WeBS L. Derg	Gortmore	9		7	2													6		2					
I-WeBS L. Derg	Kilgarvan				6														2					8	
I-WeBS L. Derg	Knockaphort	18																							21
I-WeBS L. Derg	Knockaphort B			1	5															1					
I-WeBS L. Derg	Luska	30			2				37				1							7				8	
I-WeBS L. Derg	Old Village																2			2					
I-WeBS L. Derg	Portumna Bay	2		4							33				40					2				2	
I-WeBS L. Derg	Rinmaher Point			24																1		1			
I-WeBS L. Derg	Rinskea			2	7												1			2			1		
I-WeBS L. Derg	Rossmore Pier					10																		4	
I-WeBS L. Derg	Ryninch			2																3					
I-WeBS L. Derg	Silver Island		1															6	1						
I-WeBS L. Derg	Skehanagh	120			4		1										1			3				40	
I-WeBS L. Derg	Terryglass							1				1	1				1	20	5					5	
I-WeBS L. Derg	Youghal Harbour	45			2			2									1	7		9				40	
	Grand Total[1]	**417**	**1**	**43**	**61**	**10**	**4**	**4**	**42**	**2**	**33**	**1**	**2**	**1**	**85**	**2**	**11**	**54**	**16**	**45**	**1**	**1**	**32**	**233**	**21**

January 2018									
Survey	Species BTO Code	BH	CA	GG	L.	LG	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Great-crested Grebe	Lapwing	Little Grebe	Mallard	Mute Swan	Tufted Duck
	Subsite Name								
I-WeBS Parteen	Ardcloony	4	3	1	29			4	140
I-WeBS Parteen	Clarisford Park		2	1		29	2	2	27
I-WeBS Parteen	O'Briensbridge	2	1					2	
	Grand Total[1]	**6**	**6**	**2**	**29**	**29***	**2**	**8**	**167**

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February 2018																				
Survey	Species BTO Code	BH	BZ	CA	CM	CO	GG	GJ	GN	H.	HH	L.	LG	MA	MH	MS	T.	TU	WE	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Great Crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Hen Harrier	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck	White tailed Sea Eagle	Whooper Swan
	Subsite Name																			
I-WeBS L. Derg	Ballycuggeran Bay	57														2				
I-WeBS L. Derg	Ballyeiragh			1																
I-WeBS L. Derg	Ballyheefy													1		2				
I-WeBS L. Derg	Bearoge Island			5		2	2					34	8					5		
I-WeBS L. Derg	Bellevue	4		3		13	2						4		4	2		22		
I-WeBS L. Derg	Blackrock Point	1		2		1	4						4	4	1	1		14		
I-WeBS L. Derg	Bunglasha Bay	3														2				
I-WeBS L. Derg	Church Bay					13				1			3		1			5		
I-WeBS L. Derg	Cloondadauv 36						4						2			4				
I-WeBS L. Derg	Cloonmoylan Harbour	38						1				3								
I-WeBS L. Derg	Cloonoolia Bay	13		1					1					2				2		
I-WeBS L. Derg	Derry Demesne	28														1				
I-WeBS L. Derg	Dromineer Bay	4				5	1			1	1		2			8		15		
I-WeBS L. Derg	Duceys Harbour	18				1	18						1			10		5		20
I-WeBS L. Derg	Friary	14				2		5		1			6	2	1	2		2		
I-WeBS L. Derg	Garrykennedy Harbour	101														2	2			
I-WeBS L. Derg	Gortmore	32				8	2							6		4		11		
I-WeBS L. Derg	Kilcooney															2				
I-WeBS L. Derg	Kilgarvan					1							6		1					
I-WeBS L. Derg	Knockaphort			5		2							2	1		1		6		
I-WeBS L. Derg	Knockaphort B					2	2						2	1		1		15		
I-WeBS L. Derg	Luska	110				22	3	70		2			12		2	4		25		
I-WeBS L. Derg	Parteen	81																45		
I-WeBS L. Derg	Portumna Bay			2			4						4			1		7		
I-WeBS L. Derg	Rinmaher Point			60			1							2						
I-WeBS L. Derg	Rinskea	12		2		1							1		1					
I-WeBS L. Derg	Ryninch	4					1									4		4		
I-WeBS L. Derg	Silver Island		4				2						2	1		5			1	
I-WeBS L. Derg	Skehanagh	46		5	7	24	6						6			9		58		
I-WeBS L. Derg	Terryglass	24												9						
I-WeBS L. Derg	Towards Spa Isd north							13						9			24			
I-WeBS L. Derg	Youghal Harbour	92		2		9	2						4		1	12		8		
	Grand Total[1]	**682**	**4**	**88**	**7**	**106**	**54***	**89***	**1**	**5**	**1**	**37**	**69***	**38**	**12**	**79**	**26**	**249**	**1**	**20**

Jacobs TOBIN

February 2018													
Survey	Species BTO Code	BH	CA	GG	GJ	H.	L.	LB	LG	MA	MS	ND	TU
	Species Name	Black-headed Gull	Cormorant	Great-crested Grebe	Greylag Goose	Grey Heron	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Great Northern Diver	Tufted Duck
	Subsite Name												
I-WeBS Parteen	Ardcloony	9			2	1	34	2			9		76
I-WeBS Parteen	Clarisford Park		3	2					5	3		1	35
I-WeBS Parteen	O'Briensbridge	14								2			
	Grand Total[1]	**23**	**3**	**2**	**2**	**1**	**34**	**2**	**5**	**5**	**9**	**1**	**111**

March 2018																		
Survey	Species BTO Code	BH	CA	CM	CO	GG	GJ	GN	H.	KF	LB	LG	MA	MH	MS	SN	TU	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Great Crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Tufted Duck	Whooper Swan
	Subsite Name																	
I-WeBS L. Derg	Ballycuggeran Bay	19											2		1			
I-WeBS L. Derg	Ballyeiragh		1											2				
I-WeBS L. Derg	Ballyheefy					1									1			
I-WeBS L. Derg	Bearoge Island												2		4			
I-WeBS L. Derg	Bellevue	8	1		11							4	2	1	4		31	
I-WeBS L. Derg	Blackrock Point				2						1	2						
I-WeBS L. Derg	Bunglasha Bay													1			3	
I-WeBS L. Derg	Castletown																4	
I-WeBS L. Derg	Church Bay				5									1	2			
I-WeBS L. Derg	Cloondadauv 36				2	5		2	1		1		2	2		3	10	
I-WeBS L. Derg	Cloonmoylan Harbour	4																
I-WeBS L. Derg	Cloonoolia Bay A				1							1					5	
I-WeBS L. Derg	Dromineer Bay	27	1		3										4		6	
I-WeBS L. Derg	Duceys Harbour				4										2		8	
I-WeBS L. Derg	Friary	9	1		1		4						4					
I-WeBS L. Derg	Garrykennedy Harbour	1													3			
I-WeBS L. Derg	Gortmore				6								9				4	
I-WeBS L. Derg	Kilcooney														3		6	
I-WeBS L. Derg	Kilgarvan		1		8							3			2		10	
I-WeBS L. Derg	Knockaphort	70			3		4	4			1	1			19		9	11
I-WeBS L. Derg	Knockaphort B				2	2							5		2		15	
I-WeBS L. Derg	Luska				2	1	25		3	3	1				3		14	
I-WeBS L. Derg	Parteen				1												7	

Jacobs TOBIN

March 2018																		
Survey	Species BTO Code	BH	CA	CM	CO	GG	GJ	GN	H.	KF	LB	LG	MA	MH	MS	SN	TU	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Great Crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Tufted Duck	Whooper Swan
	Subsite Name																	
I-WeBS L. Derg	Portumna Bay	27			4	1							2				17	
I-WeBS L. Derg	Rinmaher Point		111		1							2	4					
I-WeBS L. Derg	Rossmore Pier	50	1		2				1				1					
I-WeBS L. Derg	Ryninch	80																
I-WeBS L. Derg	Silver Island		2		2	1						2			1			
I-WeBS L. Derg	Skehanagh	28	2	1	10							4			5		30	
I-WeBS L. Derg	Terryglass	34			2	1								1	1			
I-WeBS L. Derg	Youghal Harbour	110			5	1							2		11		6	
	Grand Total[1]	**467**	**121***	**1**	**77**	**13**	**33**	**6**	**5**	**3**	**4**	**19**	**35**	**8**	**68**	**3**	**185**	**11**

March 2018						
Survey	Species BTO Code	BH	GG	LG	MS	TU
	Species Name	Black-headed Gull	Great-crested Grebe	Little Grebe	Mute Swan	Tufted Duck
	Subsite Name					
I-WeBS Parteen	Ardcloony			2	1	80
I-WeBS Parteen	Clarisford Park		1	2		22
I-WeBS Parteen	O'Briensbridge	70				
	Grand Total[1]	**70**	**1**	**4**	**1**	**102**

April 2018																			
Survey	Species BTO Code	BH	CA	CM	CO	GG	GJ	H.	KF	LB	LG	MA	MH	MS	SN	T.	TU	WE	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Great Crested Grebe	Greylag Goose	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Teal	Tufted Duck	White tailed Sea Eagle	Whooper Swan
	Subsite Name																		
I-WeBS L. Derg	Ballyeiragh													2					
I-WeBS L. Derg	Ballyheefy	8	3									8		3			5		
I-WeBS L. Derg	Bearoge Island		2								2		1						
I-WeBS L. Derg	Bellevue		2														10		
I-WeBS L. Derg	Bunglasha Bay		4											2					
I-WeBS L. Derg	Castletown		1									2					3		
I-WeBS L. Derg	Church Bay	23			2			1			4			2					

Jacobs TOBIN

April 2018																			
Survey	Species BTO Code	BH	CA	CM	CO	GG	GJ	H.	KF	LB	LG	MA	MH	MS	SN	T.	TU	WE	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Great Crested Grebe	Greylag Goose	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Teal	Tufted Duck	White tailed Sea Eagle	Whooper Swan
	Subsite Name																		
I-WeBS L. Derg	Cloondadauv 36	1			2	2					1			2					
I-WeBS L. Derg	Cloonoolia Bay A					1						1							
I-WeBS L. Derg	Derry Demesne	1								2		1		2					
I-WeBS L. Derg	Dromineer Bay	6	1	1	8					2		1		11					
I-WeBS L. Derg	Duceys Harbour	6			1					2	4			2			2		
I-WeBS L. Derg	Friary	6	1		5		2	2						5					
I-WeBS L. Derg	Garrykennedy Harbour								2					6					
I-WeBS L. Derg	Gortmore		5		8							2		2			3		
I-WeBS L. Derg	Harbour View						5				2							1	
I-WeBS L. Derg	Kilcooney	11	1			3					2								
I-WeBS L. Derg	Kilgarvan	9	22		8	5			1		6			16			4		
I-WeBS L. Derg	Knockaphort				1	3	1										10		
I-WeBS L. Derg	Knockaphort B	2												5					
I-WeBS L. Derg	Luska	112			5	6	2				4			8			13		
I-WeBS L. Derg	Parteen													3			2		
I-WeBS L. Derg	Portumna Bay	52	1		2	4													
I-WeBS L. Derg	Rinskea		1			2					2	5							
I-WeBS L. Derg	Rossmore Pier		2		2	2		2			2		1	2	2		5		
I-WeBS L. Derg	Ryninch	1																	
I-WeBS L. Derg	Silver Island		77				1				4	4		2					
I-WeBS L. Derg	Skehanagh	65	5		8	6					2	4		13			35		
I-WeBS L. Derg	Terryglass	27			2						1								4
I-WeBS L. Derg	Towards Spa Isd north	35			2		2				4	6		1		2	3		
I-WeBS L. Derg	Youghal Harbour	75	1		4	4						4		13			7		
	Grand Total[1]	**440**	**129***	**1**	**60**	**38**	**13**	**5**	**3**	**6**	**40***	**38**	**2**	**102***	**2**	**2**	**102**	**1**	**4**

April 2018									
Survey	Species BTO Code	CA	GG	GJ	H.	MA	MH	MS	TU
	Species Name	Cormorant	Great-crested Grebe	Greylag Goose	Grey Heron	Mallard	Moorhen	Mute Swan	Tufted Duck
	Subsite Name								
I-WeBS Parteen	Ardcloony	3	3	10	1	3		8	45
I-WeBS Parteen	Clarisford Park		1				1	14	
I-WeBS Parteen	O'Briensbridge	1						1	
	Grand Total[1]	**4**	**4**	**10**	**1**	**3**	**1**	**23**	**45**

November 2017												
Survey	Species BTO Code	BH	CA	ET	H.	MA	MH	MS	SN	SV	WK	WS
	Species Name	Black-headed Gull	Cormorant	Little Egret	Grey Heron	Mallard	Moorhen	Mute Swan	Snipe	Shoveler	Woodcock	Whooper Swan
	Subsite Name											
I-WeBS Corridor	Arclogh Wetland							4				
I-WeBS Corridor	Ardcroney	8										
I-WeBS Corridor	Ballinaderry	21										
I-WeBS Corridor	Ballykilleen		1		2	6		2	1		1	
I-WeBS Corridor	Cloncamon											20
I-WeBS Corridor	Coolderry	84										63
I-WeBS Corridor	K Club (Liffey at Strattan Bridge)	1										
I-WeBS Corridor	Lough Eorna	6				13	4			2		
I-WeBS Corridor	Mount Lucas			2	2							
	Grand Total[1]	**120**	**1**	**2**	**4**	**19**	**4**	**6**	**1**	**2**	**1**	**83**

December 2017													
Survey	Species BTO Code	BH	BZ	ET	GP	H.	K.	L.	MA	MH	MS	TU	WS
	Species Name	Black-headed Gull	Buzzard	Little Egret	Golden Plover	Grey Heron	Kestrel	Lapwing	Mallard	Moorhen	Mute Swan	Tufted Duck	Whooper Swan
	Subsite Name												
I-WeBS Corridor	Ardcroney	20						1					
I-WeBS Corridor	Ballycon Wetland						1						
I-WeBS Corridor	Coolderry				200								30
I-WeBS Corridor	Lough Eorna					2			6	4		5	14
I-WeBS Corridor	Nenagh River Ballyartella Br.			1		1							
I-WeBS Corridor	Phillipstown River (Near Mt. Lucas)										3		
I-WeBS Corridor	R445 near Cappadine						1						

December 2017													
Survey	**Species BTO Code**	**BH**	**BZ**	**ET**	**GP**	**H.**	**K.**	**L.**	**MA**	**MH**	**MS**	**TU**	**WS**
	Species Name	**Black-headed Gull**	**Buzzard**	**Little Egret**	**Golden Plover**	**Grey Heron**	**Kestrel**	**Lapwing**	**Mallard**	**Moorhen**	**Mute Swan**	**Tufted Duck**	**Whooper Swan**
	Subsite Name												
I-WeBS Corridor	Rathmore		1										
	Grand Total[1]	**20**	**1**	**1**	**200**	**3**	**2**	**1**	**6**	**4**	**3**	**5**	**44**

January 2018													
Survey	**Species BTO Code**	**BH**	**BZ**	**CA**	**GP**	**L.**	**MA**	**MS**	**PO**	**SV**	**T.**	**TU**	**WS**
	Species Name	**Black-headed Gull**	**Buzzard**	**Cormorant**	**Golden Plover**	**Lapwing**	**Mallard**	**Mute Swan**	**Pochard**	**Shoveler**	**Teal**	**Tufted Duck**	**Whooper Swan**
	Subsite Name												
I-WeBS Corridor	Ardcroney	20							10	2	47		
I-WeBS Corridor	Ardrass Lower		1										
I-WeBS Corridor	Coolderry				100								3
I-WeBS Corridor	Flooded field north of Lough Eorna 1							2				10	
I-WeBS Corridor	Flooded field north of Lough Eorna 2					18					49		48
I-WeBS Corridor	Little Brosna (Brosna Br)			1									
I-WeBS Corridor	Lough Eorna		2				2	2				25	
I-WeBS Corridor	Phillipstown River (Near Mt. Lucas)							2					
	Grand Total[1]	**20**	**3**	**1**	**100**	**18**	**2**	**6**	**10**	**2**	**96**	**35**	**51**

February 2018												
Survey	**Species BTO Code**	**BH**	**BZ**	**L.**	**MA**	**MH**	**MS**	**SV**	**T.**	**TU**	**WN**	**WS**
	Species Name	**Black-headed Gull**	**Buzzard**	**Lapwing**	**Mallard**	**Moorhen**	**Mute Swan**	**Shoveler**	**Teal**	**Tufted Duck**	**Wigeon**	**Whooper Swan**
	Subsite Name											
I-WeBS Corridor	Ardcroney	66		180			9	12	10	2	12	
I-WeBS Corridor	Ballykilleen		1									
I-WeBS Corridor	Coolderry				2							54
I-WeBS Corridor	Cushaling		2									
I-WeBS Corridor	Gorteenkeel Bog		1									
I-WeBS Corridor	Lough Eorna	80				2	2	4	3	34	7	7
	Grand Total[1]	**146**	**4**	**180**	**2**	**2**	**11**	**16**	**13**	**36**	**19**	**61**

March 2018												
Survey	Species BTO Code	BH	BZ	CO	H.	K.	L.	MS	PO	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Grey Heron	Kestrel	Lapwing	Mute Swan	Pochard	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name											
I-WeBS Corridor	Ardcroney	120					1				46	
I-WeBS Corridor	Ballysteena		1									
I-WeBS Corridor	Coolderry											6
I-WeBS Corridor	Derrinboy		1									
I-WeBS Corridor	Georges Bridge							2				
I-WeBS Corridor	Gorteenkeel Bog		1		1	1						
I-WeBS Corridor	Kilmaine		1									
I-WeBS Corridor	Lough Eorna	100		2				2	4	24		
I-WeBS Corridor	Loughawn					1						
I-WeBS Corridor	Nr Newtown		1									
I-WeBS Corridor	Rathlumber		1									
I-WeBS Corridor	Rathmore		1									
	Grand Total[1]	**220**	**7**	**2**	**1**	**2**	**1**	**4**	**4**	**24**	**46**	**6**

April 2018												
Survey	Species BTO Code	BH	CO	GG	K.	L.	MA	MH	MS	T.	TU	WN	WS
	Species Name	Black-headed Gull	Coot	Great Crested Grebe	Kestrel	Lapwing	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name												
I-WeBS Corridor	Ardcroney		6			3	2		6	3		2	
I-WeBS Corridor	Kilurane				1								
I-WeBS Corridor	Lisnasoolmoy				1								
I-WeBS Corridor	Lough Eorna	50	10	4			7	2	1		30		33
I-WeBS Corridor	Monsea				1								
	Grand Total[1]	**50**	**16**	**4**	**3**	**3**	**9**	**2**	**7**	**3**	**30**	**2**	**33**

November 2017							
Survey	**Species BTO Code**	**BZ**	**H.**	**PE**	**SH**	**SN**	**WK**
	Species Name	**Buzzard**	**Heron**	**Peregrine**	**Sparrowhawk**	**Snipe**	**Woodcock**
	Subsite Name						
Hen Harrier Survey	Kilcomber		2		2	2	
Hen Harrier Survey	Mount Lucas	1			1		
Hen Harrier Survey	NE of Drehid				2		1
Hen Harrier Survey	Timahoe East			1			
	Grand Total[1]	**1**	**2**	**1**	**5**	**2**	**1**

December 2017										
Survey	**Species BTO Code**	**BZ**	**CA**	**GP**	**HH**	**K.**	**L.**	**SH**	**SN**	**WS**
	Species Name	**Buzzard**	**Cormorant**	**Golden Plover**	**Hen Harrier**	**Kestrel**	**Lapwing**	**Sparrowhawk**	**Snipe**	**Whooper Swan**
	Subsite Name									
Hen Harrier Survey	Kilcomber	1								
Hen Harrier Survey	Kilkeaskin					1				
Hen Harrier Survey	Kinnitty				1		72			
Hen Harrier Survey	Mount Lucas	1								
Hen Harrier Survey	NE of Drehid								1	
Hen Harrier Survey	Sharavogue		9	70				1		5
Hen Harrier Survey	Timahoe East	1								
	Grand Total[1]	**3**	**9**	**70**	**1**	**1**	**72**	**1**	**1**	**5**

January 2018						
Survey	**Species BTO Code**	**CA**	**KF**	**SH**	**SN**	**WS**
	Species Name	**Cormorant**	**Kingfisher**	**Sparrowhawk**	**Snipe**	**Whooper Swan**
	Subsite Name					
Hen Harrier Survey	Kinnitty		1	1		
Hen Harrier Survey	Sharavogue	3		1		2
Hen Harrier Survey	Timahoe East				1	
	Grand Total[1]	**3**	**1**	**2**	**1**	**2**

February 2018			
Survey	**Species BTO Code**	**KF**	**SH**
	Species Name	**Kingfisher**	**Sparrowhawk**
	Subsite Name		
Hen Harrier Survey	Sharavogue	1	1
	Grand Total[1]	**1**	**1**

March 2018				
Survey	**Species BTO Code**	**CA**	**GP**	**SH**
	Species Name	**Cormorant**	**Golden Plover**	**Sparrowhawk**
	Subsite Name			
Hen Harrier Survey	Kinnitty		120	
Hen Harrier Survey	Sharavogue	2		1
	Grand Total[1]	**2**	**120**	**1**

Vantage Point survey results 2017/2018:

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Ardcloony	16/11/2017	PC	BH	13	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	BH	18	Yes	12:22:00	Commuting across basin	No data	Yes	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	BH	36	Yes	16:33:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	BH	48	Yes	16:04:00	Commuting into basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	11/12/2017	PC	BH	12	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	BH	14	Yes	16:18:00	Commuting within basin	N	Yes	Yes	No data	No data	No data
Ardcloony	11/12/2017	PC	BH	34	Yes	16:47:00	Commuting within basin	N	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	BH	9	No data	14:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	BH	40	Yes	12:34:00	Commuting	NE	Yes	Yes	Yes	No data	No data
Ardcloony	15/01/2018	PC	BH	17	Yes	14:47:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	BH	109	Yes	15:56:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	BH	144	Yes	16:38:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	BH	58	Yes	16:05:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	BH	56	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	BH	48	Yes	07:09:00	Commuting	S	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	BH	26	Yes	07:03:00	Commuting	SW	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	BH	33	Yes	09:01:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	BH	7	Yes	09:31:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	BH	16	Yes	12:04:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	16/03/2018	PC	BH	12	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	BH	22	Yes	08:38:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	2	Yes	06:22:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	4	Yes	06:46:00	Commuting N towards island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	4	Yes	06:48:00	Commuting NE to island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	1	Yes	09:47:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	1	Yes	10:01:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	1	Yes	10:25:00	Commuting N towards island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	1	Yes	10:59:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	1	Yes	11:18:00	Commuting S	No data	No data	No data	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Ardcloony	13/04/2018	AB	BH	1	Yes	11:34:00	Commuting	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	3	Yes	11:39:00	Foraging	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	1	Yes	11:42:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	2	Yes	11:57:00	Commuting SSW	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BH	3	Yes	12:25:00	Foraging	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	BH	4	No data	11:15:00	On arrival. Foraging throughout view shed, low numbers, <10.	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	BH	72	Yes	16:49:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Clarisford	15/12/2017	PC	BH	16	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	BH	18	Yes	10:48:00	Commuting	NW	Yes	Yes	Yes	No data	No data
Clarisford	19/01/2018	PC	BH	11	Yes	08:04:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Clarisford	23/02/2018	PC	BH	22	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	BH	17	Yes	06:44:00	Commuting	SW	Yes	Yes	No data	Yes	No data
Clarisford	20/03/2018	PC	BH	15	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	BH	15	Yes	14:34:00	Commuting	NW	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	BH	58	Yes	14:47:00	Commuting	NW	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	BH	84	Yes	17:44:00	Commuting	N	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	BH	150	Yes	18:48:00	Commuting	NE	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	BH	30	Yes	18:53:00	Commuting	NE	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	BH	10	Yes	18:56:00	Commuting	NE	Yes	Yes	No data	No data	No data
Clarisford	12/04/2018	AB	BH	1	Yes	06:56:00	Commuting S	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	BH	2	Yes	06:56:00	Flew S for short distance	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	BH	1	Yes	06:57:00	Flushed	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	BH	1	Yes	07:32:00	Commuting S	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	BH	1	Yes	11:46:00	Flew E	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	BH	1	Yes	12:10:00	Commuting N	No data	No data	No data	No data	No data	No data
Flanagans	17/11/2017	PC	BH	24	No data	07:00:00	On arrival. Foraging flights throughout view shed for duration	No data	No data	No data	No data	No data	No data
Flanagans	17/11/2017	PC	BH	35	Yes	07:06:00	Flying S	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	BH	22	Yes	07:14:00	Flying S	No data	No data	Yes	No data	No data	No data
Flanagans	14/12/2017	PC	BH	18	No data	No data	On arrival, 20 Bh circling/foraging within view shed for duration	No data	No data	No data	No data	No data	No data
Flanagans	14/12/2017	PC	BH	16	Yes	11:00:00		NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	BH	23	Yes	16:13:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	BH	65	Yes	16:23:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	BH	149	Yes	16:32:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	BH	30	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	18/01/2018	PC	BH	120	Yes	07:53:00	Commuting	E	No data	Yes	No data	No data	No data
Flanagans	18/01/2018	PC	BH	32	Yes	11:11:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	30	No data	12:01:00	Foraging throughout view shed for duration	No data	No data	No data	No data	No data	No data
Flanagans	20/02/2018	PC	BH	22	No data	13:14:00	Commuting	N	No data	Yes	No data	No data	No data
Flanagans	20/02/2018	PC	BH	30	No data	16:34:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	78	No data	16:49:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	103	No data	17:07:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	85	No data	17:26:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	57	No data	17:38:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	73	No data	17:47:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	186	No data	17:53:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	BH	32	No data	18:12:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	21/03/2018	PC	BH	15	No data	05:04:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	21/03/2018	PC	BH	18	Yes	06:58:00	Commuting	S	No data	Yes	No data	No data	No data
Flanagans	21/03/2018	PC	BH	8	Yes	08:16:00	Commuting	S	No data	Yes	No data	No data	No data
Flanagans	11/04/2018	AB	BH	16	Yes	14:46:00	Ascending and circling over river	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	24	Yes	14:50:00	Flew NE over trees and began circling over bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	18	Yes	14:58:00	Flew south around the corner	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	4	Yes	15:00:00	Flew NE then jarred to begin foraging	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	4	Yes	15:09:00	Commuting N	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	3	Yes	15:31:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	9	Yes	15:31:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	5	Yes	15:46:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	5	Yes	15:54:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	3	Yes	16:23:00	Flew N towards the bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	4	Yes	16:46:00	Flew North circling	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	7	Yes	16:50:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	5	Yes	17:12:00	Flew south over the channel	No data	No data	No data	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Flanagans	11/04/2018	AB	BH	7	Yes	18:46:00	Circling over bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	5	Yes	18:57:00	Flew over VP	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	7	Yes	19:35:00	Flew S towards bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	4	Yes	20:03:00	Flew N under bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	BH	10	Yes	20:31:00	Flew N towards river	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	BZ	1	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	BZ	1	Yes	11:57:00	Hunting	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	3	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	2	Yes	14:04:00	Commuting S within basin and left to S	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	15:02:00	Commuting into basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	15:03:00	Commuting out of basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	15:41:00	Commuting out of basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	15:49:00	Commuting out of basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	16:01:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	16:01:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	2	Yes	16:22:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	CA	1	Yes	16:33:00	Commuting into basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	12:01:00	Commuting within basin	NE	Yes	No data	Yes	No data	No data
Ardcloony	11/12/2017	PC	CA	2	Yes	13:02:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	13:11:00	Commuting within basin	NE	Yes	No data	Yes	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	13:13:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	2	Yes	13:24:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	3	Yes	13:03:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	14:23:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	14:24:00	No data	W	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	4	Yes	14:48:00	Circling	W	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	15:39:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	CA	1	Yes	15:39:00	Commuting within basin	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	11:38:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	15/01/2018	PC	CA	1	Yes	12:01:00	Commuting	NE	Yes	No data	Yes	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	12:05:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	12:06:00	Commuting	SW	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	3	Yes	12:55:00	No data	W	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	13:09:00	Commuting	NW	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	13:35:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	13:45:00	No data	NE	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	14:03:00	Commuting	SW	Yes	No data	No data	No data	Yes
Ardcloony	15/01/2018	PC	CA	1	Yes	14:03:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	1	Yes	14:43:00	Commuting	SW	Yes	No data	No data	No data	Yes
Ardcloony	15/01/2018	PC	CA	1	Yes	14:44:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	6	Yes	14:47:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	2	Yes	14:53:00	No data	SW	Yes	Yes	No data	No data	Yes
Ardcloony	15/01/2018	PC	CA	2	Yes	14:53:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	3	Yes	15:22:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	3	Yes	16:35:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	CA	10	Yes	16:05:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	CA	2	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	CA	1	Yes	07:48:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	CA	2	Yes	08:08:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	CA	2	Yes	08:14:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	CA	1	Yes	09:32:00	Commuting	NE	Yes	Yes	No data	Yes	No data
Ardcloony	22/02/2018	PC	CA	1	Yes	11:09:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	CA	1	Yes	11:13:00	Commuting	NE	Yes	Yes	No data	Yes	No data
Ardcloony	22/02/2018	PC	CA	1	Yes	11:34:00	Commuting	NE	Yes	Yes	No data	Yes	No data
Ardcloony	16/03/2018	PC	CA	3	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	CA	2	Yes	06:21:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	16/03/2018	PC	CA	1	Yes	06:22:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	CA	3	Yes	06:38:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	16/03/2018	PC	CA	1	Yes	06:44:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	16/03/2018	PC	CA	1	Yes	07:11:00	Commuting	E	Yes	Yes	No data	No data	Yes
Ardcloony	16/03/2018	PC	CA	1	Yes	07:42:00	Commuting	NE	Yes	No data	No data	No data	Yes

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Ardcloony	16/03/2018	PC	CA	1	Yes	08:34:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	CA	1	Yes	08:38:00	Commuting	SW	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	CA	1	Yes	11:13:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	06:00:00	Flying NNE along the surface	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	2	Yes	06:22:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	2	Yes	06:30:00	Flew S then N until out of sight	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	06:38:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	06:53:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	07:00:00	Commuting SW	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	07:36:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	08:11:00	Commuting N towards island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	08:30:00	Commuting N towards island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	10:00:00	Commuting NE	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	10:13:00	Ascends and commutes SW	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	10:39:00	Ascends and commutes SW	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	2	Yes	11:06:00	Commuting SW	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	11:23:00	Commuting NNW along water	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	11:52:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	11:57:00	Commuting NNE	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	12:06:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	12:24:00	Flew NW towards island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CA	1	Yes	12:24:00	Flew S from island	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	CA	5	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	CA	1	Yes	12:48:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	CA	1	Yes	13:25:00	Commuting towards LD	No data	Yes	Yes	No data	No data	No data
Clarisford	13/11/2017	PC	CA	1	Yes	14:15:00	Commuting within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	CA	4	Yes	14:47:00	Commuting towards LD	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	CA	1	Yes	15:03:00	Commuting, out of view	No data	Yes	Yes	No data	No data	No data
Clarisford	13/11/2017	PC	CA	1	Yes	15:05:00	Commuting, out of view	No data	Yes	Yes	No data	No data	No data
Clarisford	13/11/2017	PC	CA	2	Yes	15:57:00	Commuting towards LD	No data	Yes	Yes	No data	No data	No data
Clarisford	15/12/2017	PC	CA	2	Yes	08:31:00	Commuting	NW	Yes	Yes	Yes	No data	No data
Clarisford	15/12/2017	PC	CA	1	Yes	09:03:00	Commuting	SW	No data	No data	No data	No data	Yes
Clarisford	15/12/2017	PC	CA	1	Yes	11:51:00	Commuting	N	Yes	Yes	Yes	No data	No data
Clarisford	15/12/2017	PC	CA	1	Yes	12:05:00	Commuting	N	Yes	Yes	Yes	No data	No data
Clarisford	19/01/2018	PC	CA	1	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	CA	1	Yes	10:03:00	No data	S	Yes	Yes	No data	No data	No data
Clarisford	19/01/2018	PC	CA	3	Yes	10:04:00	No data	S	Yes	Yes	No data	No data	No data
Clarisford	23/02/2018	PC	CA	1	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	07:23:00	No data	N	Yes	Yes	Yes	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	07:54:00	No data	SW	Yes	Yes	Yes	No data	No data
Clarisford	23/02/2018	PC	CA	2	Yes	08:47:00	No data	E	Yes	No data	No data	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	09:01:00	No data	S	Yes	No data	No data	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	10:27:00	No data	N	Yes	Yes	Yes	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	10:33:00	No data	E	Yes	No data	No data	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	10:59:00	No data	N	Yes	Yes	Yes	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	11:31:00	No data	W	Yes	No data	No data	No data	No data
Clarisford	23/02/2018	PC	CA	1	Yes	12:03:00	No data	S	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	CA	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	CA	1	Yes	15:01:00	Commuting	SW	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	CA	1	Yes	15:09:00	Commuting	SW	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	CA	2	Yes	15:03:00	Commuting within viewshed	W	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	CA	2	Yes	16:03:00	Commuting	W	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	CA	1	Yes	16:28:00	Commuting	NE	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	CA	1	Yes	17:22:00	Commuting	NE	Yes	Yes	No data	No data	No data
Clarisford	20/03/2018	PC	CA	1	Yes	17:44:00	Commuting	N	Yes	Yes	No data	No data	No data
Clarisford	12/04/2018	AB	CA	3	Yes	07:04:00	Flew E	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	07:05:00	Flew S	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	07:11:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	08:00:00	Flew N over VP	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	08:33:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	08:34:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	10:47:00	Flew S turning W	No data	No data	No data	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Clarisford	12/04/2018	AB	CA	1	Yes	11:12:00	Flew N along the surface	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	CA	1	Yes	11:15:00	Flew N along the surface	No data	No data	No data	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	07:08:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	2	Yes	07:27:00	Flying S	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	07:38:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	08:08:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	08:28:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	08:34:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	09:16:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	17/11/2017	PC	CA	1	Yes	12:17:00	Flying S	No data	No data	Yes	No data	No data	No data
Flanagans	14/12/2017	PC	CA	2	No data	No data	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	14/12/2017	PC	CA	1	Yes	12:47:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	CA	1	Yes	13:27:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	CA	1	Yes	14:00:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	CA	1	Yes	14:23:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	CA	1	Yes	16:23:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	14/12/2017	PC	CA	1	Yes	16:35:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	1	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	07:55:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	4	Yes	07:56:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	1	Yes	07:56:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	1	Yes	09:15:00	Commuting	E	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	1	Yes	09:19:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	09:28:00	Commuting	E	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	1	Yes	09:04:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	10:38:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	CA	2	Yes	11:31:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	11:04:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	12:02:00	Commuting	E	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	1	Yes	11:04:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	12:02:00	Commuting	E	No data	Yes	No data	Yes	No data
Flanagans	18/01/2018	PC	CA	2	Yes	12:24:00	Commuting	E	No data	Yes	No data	No data	No data
Flanagans	18/01/2018	PC	CA	1	Yes	12:43:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	CA	1	No data	12:01:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	CA	1	No data	12:41:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	CA	1	No data	13:58:00	Commuting	N	No data	Yes	No data	No data	No data
Flanagans	20/02/2018	PC	CA	1	No data	15:43:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	21/03/2018	PC	CA	1	No data	05:04:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	21/03/2018	PC	CA	3	Yes	06:01:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	21/03/2018	PC	CA	2	Yes	06:42:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	21/03/2018	PC	CA	1	Yes	06:45:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	21/03/2018	PC	CA	1	Yes	06:53:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	21/03/2018	PC	CA	1	Yes	07:17:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	21/03/2018	PC	CA	1	Yes	07:33:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	21/03/2018	PC	CA	5	Yes	07:47:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	21/03/2018	PC	CA	1	Yes	08:01:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	21/03/2018	PC	CA	1	Yes	10:46:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	11/04/2018	AB	CA	1	Yes	15:27:00	Flew W over river and turned over bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	CA	1	Yes	16:56:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	CM	2	Yes	17:18:00	flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	CM	2	Yes	20:26:00	Flew S towards bridge	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	CO	42	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	CO	1	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	CO	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	CU	6	Yes	14:51:00	E embankment	No data	No data	Yes	No data	No data	No data
Ardcloony	13/04/2018	AB	CU	1	Yes	06:21:00	Flew S turned E then N until out of sight	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	CU	1	Yes	06:30:00	Commuting NE to island	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	ET	1	Yes	11:05:00	Commuting across basin	No data	Yes	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	ET	1	Yes	15:35:00	Commuting within basin	No data	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	ET	1	Yes	16:53:00	No data	SW	No data	Yes	No data	No data	Yes
Clarisford	13/11/2017	PC	ET	1	Yes	13:01:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	ET	1	Yes	15:08:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	ET	1	Yes	15:59:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	ET	1	Yes	08:46:00	No data	S	Yes	Yes	No data	No data	Yes

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Flanagans	14/12/2017	PC	ET	1	Yes	15:39:00	Commuting	NW	No data	Yes	Yes	No data	No data
Ardcloony	15/01/2018	PC	G	1	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	GA	1	Yes	07:23:00	Commuting	N	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	GB	1	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	GB	3	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	GB	1	Yes	09:02:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	GB	1	Yes	09:25:00	Commuting	NE	Yes	Yes	No data	Yes	No data
Ardcloony	16/11/2017	PC	GE	2	Yes	14:44:00	Within basin	No data	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	GE	1	Yes	16:22:00	Commuting	N	Yes	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	GE	1	Yes	08:01:00	Foraging on sand bar	MA	Yes	No data	No data	No data	Yes
Ardcloony	16/11/2017	PC	GG	1	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	GG	1	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	GG	2	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	GG	2	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	GG	2	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	GG	1	Yes	08:32:00	Commuting	W	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	GG	2	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	GG	1	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	GG	2	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	GG	1	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	GG	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	GJ	38	Yes	13:44:00	Commuting from lower Shannon into basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	GJ	3	Yes	15:35:00	Commuting out of basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	GJ	8	Yes	15:49:00	Commuting out of basin to S	No data	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	GJ	14	Yes	17:22:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	GJ	1	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	GJ	2	Yes	08:14:00	Commuting	S	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	GJ	2	Yes	08:23:00	Commuting	S	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	GJ	2	Yes	09:11:00	Commuting	S	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	GJ	2	Yes	10:05:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	16/03/2018	PC	GJ	5	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	GJ	2	Yes	08:12:00	Commuting	S	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	GJ	2	Yes	08:14:00	Commuting	E	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	GJ	1	Yes	08:54:00	Commuting	NE	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	GJ	2	Yes	08:55:00	Commuting	SW	Yes	Yes	No data	No data	No data
Flanagans	21/03/2018	PC	GJ	1	Yes	07:42:00	Commuting	E	No data	Yes	Yes	No data	No data
Ardcloony	11/12/2017	PC	GN	2	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	GN	10	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	GN	16	Yes	14:14:00	Flushed by boat, circled within basin	No data	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	GN	21	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	GN	7	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	GS	4	Yes	06:38:00	Commuting S	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	GS	2	Yes	08:23:00	Commuting N towards island	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	GS	1	Yes	10:55:00	V short flight W	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	GS	1	Yes	12:05:00	Short flight SW	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	H	2	Yes	14:01:00	Commuting S within basin and left to E	No data	Yes	Yes	No data	No data	No data
Ardcloony	11/12/2017	PC	H	1	Yes	14:36:00	Commuting	SW	Yes	No data	No data	No data	Yes
Ardcloony	22/02/2018	PC	H	1	Yes	10:12:00	Commuting	E	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	H	1	Yes	11:18:00	Commuting	NE	Yes	Yes	No data	Yes	No data
Ardcloony	16/03/2018	PC	H	1	Yes	07:23:00	Commuting	N	No data	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	H	1	Yes	08:36:00	Commuting	N	No data	Yes	No data	No data	No data
Clarisford	13/11/2017	PC	H	2	Yes	13:09:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	H	2	Yes	14:57:00	Short flight within basin	No data	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	H	1	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	H	1	Yes	08:42:00	Flushed	SW	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	H	1	Yes	11:08:00	Flushed	W	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	H	1	Yes	11:33:00	Flushed	W	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	H	1	Yes	11:33:00	Commuting	W	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	H	1	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	H	1	Yes	08:21:00	No data	W	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	H	1	Yes	09:02:00	No data	S	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	H	2	Yes	13:47:00	Commuting	W	Yes	No data	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Clarisford	23/02/2018	PC	H	1	Yes	08:34:00	No data	E	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	H	1	Yes	15:34:00	Commuting within viewshed	W	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	H	1	Yes	17:01:00	Commuting	E	Yes	No data	No data	No data	No data
Flanagans	21/03/2018	PC	H	1	Yes	06:53:00	Commuting	W	No data	Yes	No data	No data	No data
Ardcloony	13/04/2018	AB	H.	1	Yes	07:40:00	Flew NW	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	H.	1	Yes	11:21:00	Flew NW across water	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	H.	1	Yes	11:53:00	Commuting SW	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	H.	1	Yes	06:25:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	H.	2	Yes	08:03:00	Flew W across river	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	H.	1	Yes	10:18:00	Flew S turning W	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	H.	1	Yes	11:20:00	Flew N along waters edge	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	H.	1	Yes	07:14:00	Commuting N	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	HG	1	Yes	15:38:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	HG	1	Yes	17:14:00	Flew N under bridge	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	KF	1	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	KF	1	Yes	06:57:00	Flying to perch on shoreline	N	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	KF	2	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	KF	1	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	KF	2	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	KF	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	KF	1	Yes	15:54:00	Commuting	E	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	KF	1	Yes	16:01:00	Commuting	W	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	KF	1	Yes	16:04:00	Commuting	E	Yes	No data	No data	No data	No data
Clarisford	12/04/2018	AB	KF	1	Yes	10:51:00	Flew W along the surface	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	KF	1	Yes	11:11:00	Flew E across the surface	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	L	17	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	L	27	Yes	13:58:00	Commuting into basin circled and left to SW along Shannon	No data	Yes	Yes	No data	No data	No data
Ardcloony	16/11/2017	PC	L	13	Yes	15:04:00	Within basin	No data	Yes	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	L	71	Yes	16:26:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Ardcloony	11/12/2017	PC	L	6	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	L	32	Yes	14:03:00	No data	Circling	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	L	14	Yes	15:02:00	Circling	N	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	L	18	Yes	15:13:00	Circling	N	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	L	9	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	L	25	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	LB	1	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	LB	2	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	LB	1	Yes	06:20:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	LB	1	Yes	07:24:00	No data	SW	Yes	Yes	No data	Yes	No data
Clarisford	20/03/2018	PC	LB	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	LB	2	Yes	07:22:00	Commuting	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	LB	1	Yes	07:28:00	Flew NE over reeds	No data	No data	No data	No data	No data	No data
Flanagans	18/01/2018	PC	LB	2	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	21/03/2018	PC	LB	5	Yes	06:44:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	11/04/2018	AB	LB	8	Yes	14:58:00	Flying NE	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	LB	1	Yes	15:31:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	LB	3	Yes	15:46:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	LB	1	Yes	15:59:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	LB	1	Yes	19:15:00	Flew south along channel	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	LG	28	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	LG	10	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	LG	13	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	LG	2	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	LG	3	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	MA	2	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	MA	2	Yes	14:51:00	Commuting across basin	No data	Yes	Yes	No data	No data	No data
Ardcloony	11/12/2017	PC	MA	8	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	MA	3	Yes	15:26:00	No data	NE	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	MA	2	Yes	08:23:00	Commuting	SW	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	MA	2	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	MA	3	Yes	07:31:00	Commuting	W	Yes	Yes	No data	No data	No data
Ardcloony	16/03/2018	PC	MA	3	Yes	09:51:00	Commuting	W	Yes	Yes	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Ardcloony	13/04/2018	AB	MA	2	Yes	07:26:00	Flew N but mobbed by HC	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	MA	7	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	MA	3	Yes	12:37:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	MA	2	Yes	10:28:00	Commuting	NW	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	MA	6	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	MA	2	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	20/03/2018	PC	MA	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	3	Yes	06:00:00	Flew E over VP	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	2	Yes	06:12:00	Flew E then turned N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	1	Yes	07:12:00	Commuting S	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	1	Yes	07:53:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	13	Yes	08:19:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	1	Yes	09:34:00	Flew E	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MA	1	Yes	10:58:00	Flew SW	No data	No data	No data	No data	No data	No data
Flanagans	17/11/2017	PC	MA	1	No data	07:00:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	14/12/2017	PC	MA	6	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	14/12/2017	PC	MA	5	Yes	11:22:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	MA	8	Yes	13:11:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	MA	4	Yes	12:28:00	No data	NW	No data	Yes	Yes	No data	No data
Flanagans	20/02/2018	PC	MA	4	No data	13:57:00	No data	N	No data	Yes	No data	No data	No data
Flanagans	21/03/2018	PC	MA	4	No data	05:04:00	On arrival	No data	No data	No data	No data	No data	No data
Flanagans	21/03/2018	PC	MA	4	Yes	06:58:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	11/04/2018	AB	MA	4	Yes	14:54:00	Flying south	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	18	Yes	15:15:00	Flew south around the corner	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	15:16:00	Flew W over river	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	4	Yes	15:23:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	15:56:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	2	Yes	16:03:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	2	Yes	16:05:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	2	Yes	16:05:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	3	Yes	16:20:00	Flew south along the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	16:22:00	Flew N towards the bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	16:25:00	Flew N towards the bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	16:27:00	Flew N towards the bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	16:32:00	Flew N towards the bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	4	Yes	16:44:00	Flew N over Flanagans	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	16:59:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	17:17:00	Flew S towards bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	3	Yes	17:18:00	Flew south over the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	18:45:00	Flew S	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	3	Yes	19:10:00	Flew N along river	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	19:20:00	Flew N towards VP	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	19:55:00	Flew south along channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	19:57:00	Flew North circling	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	20:15:00	Flew N across the channel	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	2	Yes	20:27:00	Flew N towards river	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	2	Yes	20:28:00	Flew N towards river	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	2	Yes	20:40:00	Flew N towards river	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	10	Yes	20:53:00	Flew N towards bridge	No data	No data	No data	No data	No data	No data
Flanagans	11/04/2018	AB	MA	1	Yes	21:15:00	Flew N under bridge	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	MH	2	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	MH	1	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	MH	1	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	MS	7	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	MS	3	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	MS	2	Yes	13:24:00	Flew over lip of basin	NE	Yes	Yes	No data	No data	No data
Ardcloony	15/01/2018	PC	MS	5	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	MS	1	Yes	13:11:00	No data	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	MS	1	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	MS	8	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	MS	2	Yes	11:17:00	Short flight out of basin	E	Yes	Yes	No data	No data	No data
Ardcloony	13/04/2018	AB	MS	2	Yes	10:20:00	Short flight E	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	MS	1	Yes	10:55:00	V short flight W	No data	No data	No data	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Ardcloony	13/04/2018	AB	MS	1	Yes	10:57:00	Short flight N	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	MS	12	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	MS	2	Yes	14:04:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	MS	8	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	MS	3	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	MS	1	Yes	07:08:00	No data	S	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	MS	1	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MS	2	Yes	07:36:00	Flew S	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MS	1	Yes	08:35:00	Commuting N	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	MS	1	Yes	09:39:00	Short flight NE	No data	No data	No data	No data	No data	No data
Flanagans	17/11/2017	PC	MS	1	Yes	11:03:00	Flying N	No data	No data	Yes	No data	No data	No data
Flanagans	18/01/2018	PC	MS	1	Yes	11:12:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	18/01/2018	PC	MS	3	Yes	13:03:00	No data	No data	No data	No data	No data	No data	No data
Flanagans	20/02/2018	PC	MS	2	No data	14:02:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	21/03/2018	PC	MS	1	Yes	08:04:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	11/04/2018	AB	MS	1	Yes	15:16:00	Flew N across the channel	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	ND	1	Yes	08:49:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	11/12/2017	PC	RK	1	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	SH	1	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	SH	1	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	SN	9	Yes	13:44:00	Flushed by H	W	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	SN	5	Yes	19:25:00	Flushed by H from NW foraging	W	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	SN	1	Yes	19:26:00	Commuting across basin	E	Yes	No data	No data	No data	No data
Clarisford	12/04/2018	AB	SN	1	Yes	05:58:00	Flew E across lake	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	T	14	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	T	2	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	T	1	Yes	12:06:00	Commuting	No data	Yes	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	TU	8	Yes	10:12:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	13/04/2018	AB	TU	7	Yes	10:14:00	Commuting N	No data	No data	No data	No data	No data	No data
Ardcloony	16/11/2017	PC	TU	120	No data	11:01:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	TU	443	No data	10:03:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	TU	230	Yes	14:15:00	Circling	SW	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	TU	100	Yes	14:48:00	Circling	SW	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	TU	100	Yes	15:22:00	Circling	S	Yes	No data	No data	No data	No data
Ardcloony	11/12/2017	PC	TU	100	Yes	15:25:00	Circling	S	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	TU	68	No data	11:00:00	No data	No data	No data	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	TU	1	Yes	12:14:00	Commuting	No data	Yes	No data	No data	No data	No data
Ardcloony	15/01/2018	PC	TU	90	Yes	14:03:00	No data	W	Yes	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	TU	59	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	TU	25	Yes	10:24:00	Commuting	NE	Yes	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	TU	8	Yes	11:21:00	Commuting	S	Yes	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	TU	41	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	16/03/2018	PC	TU	24	No data	05:55:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	220	No data	11:15:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	250	Yes	13:24:00	Within basin, flushed in S section of PB by boat	No data	No data	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	450	Yes	13:54:00	Flushed by boat, circled within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	2350	Yes	14:15:00	Flushed by boat, circled within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	2250	Yes	14:53:00	Flushed by boat, circled within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	2250	Yes	15:11:00	Flushed by boat, circled within basin	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	TU	150	Yes	16:53:00	Within basin	No data	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	TU	320	No data	07:45:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	15/12/2017	PC	TU	100	Yes	09:31:00	Flushed	W	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	TU	250	Yes	11:51:00	No data	W	Yes	No data	No data	No data	No data
Clarisford	15/12/2017	PC	TU	7	Yes	12:57:00	Flushed by other	W	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	TU	52	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	TU	8	Yes	13:02:00	Flying into another location within basin	W	Yes	No data	No data	No data	No data
Clarisford	19/01/2018	PC	TU	2	Yes	13:41:00	Flying into another location within basin	W	Yes	No data	No data	No data	No data
Clarisford	23/02/2018	PC	TU	36	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	23/02/2018	PC	TU	12	Yes	08:23:00	No data	S	Yes	No data	No data	No data	No data
Clarisford	20/03/2018	PC	TU	17	No data	13:03:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	TU	1	Yes	06:22:00	Commuting S	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	TU	11	Yes	07:11:00	Flew N over reeds	No data	No data	No data	No data	No data	No data

Location	Date	Observer	BTO code	Number	Flight (Yes/No)	Observation Time	Notes	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon
Clarisford	12/04/2018	AB	TU	1	Yes	09:31:00	Short flight E	No data	No data	No data	No data	No data	No data
Clarisford	12/04/2018	AB	TU	7	Yes	11:00:00	Short flight SW	No data	No data	No data	No data	No data	No data
Flanagans	14/12/2017	PC	TU	1	Yes	12:02:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	14/12/2017	PC	WE	1	Yes	11:31:00	Commuting	NW	No data	Yes	Yes	No data	No data
Flanagans	14/12/2017	PC	WE	1	Yes	13:19:00	Commuting	NW	No data	Yes	Yes	No data	No data
Ardcloony	22/02/2018	PC	WO	7	Yes	07:32:00	Commuting	SW	Yes	Yes	No data	No data	Yes
Ardcloony	22/02/2018	PC	WS	23	No data	06:33:00	On arrival	No data	No data	No data	No data	No data	No data
Ardcloony	22/02/2018	PC	WS	21	Yes	07:14:00	Commuting	E	Yes	Yes	No data	No data	No data
Ardcloony	22/02/2018	PC	WS	4	Yes	07:21:00	Commuting	E	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	WS	9	Yes	15:15:00	Commuting into basin from S	No data	Yes	No data	No data	No data	No data
Clarisford	13/11/2017	PC	WS	3	Yes	16:36:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Clarisford	13/11/2017	PC	WS	7	Yes	16:42:00	Commuting into basin from S	No data	Yes	Yes	No data	No data	No data
Clarisford	19/01/2018	PC	WS	7	No data	07:04:00	On arrival	No data	No data	No data	No data	No data	No data
Clarisford	19/01/2018	PC	WS	2	Yes	08:04:00	No data	SE	Yes	Yes	No data	No data	Yes
Clarisford	19/01/2018	PC	WS	1	Yes	11:22:00	Commuting	SE	Yes	Yes	No data	No data	Yes
Flanagans	19/02/2018	PC	CA	1	Yes	12:01:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	CA	1	Yes	12:41:00	Commuting	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	22	Yes	13:14:00	Commuting	W	No data	Yes	No data	No data	No data
Flanagans	19/02/2018	PC	MA	4	Yes	13:57:00	Commuting	N	No data	Yes	No data	No data	No data
Flanagans	19/02/2018	PC	CA	1	Yes	13:58:00	Commuting as 2	N	No data	Yes	No data	No data	No data
Flanagans	19/02/2018	PC	MS	2	Yes	14:02:00	Commuting	S	No data	Yes	No data	Yes	No data
Flanagans	19/02/2018	PC	CA	1	Yes	15:43:00	Commuting as 6	S	No data	Yes	No data	Yes	No data
Flanagans	19/02/2018	PC	BH	20	Yes	16:34:00	Commuting as1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	78	Yes	16:49:00	Commuting as 1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	105	Yes	17:07:00	Commuting as 1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	85	Yes	17:26:00	Commuting as 1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	57	Yes	17:38:00	Commuting as 1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	73	Yes	17:47:00	Commuting as 1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	186	Yes	17:53:00	Commuting as 1	N	No data	Yes	Yes	No data	No data
Flanagans	19/02/2018	PC	BH	32	Yes	18:12:00	Commuting as 1	N	No data	Yes	Yes	No data	No data

Winter Bird Survey Results – 2018/2019

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November 2018																							
Survey	Species BTO Code	BH	CA	CO	CU	ET	GG	GJ	GN	H.	HW	K.	L.	LG	MA	MH	MS	SN	T.	TU	WA	WN	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Curlew	Little Egret	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Great White Egret	Kestrel	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Teal	Tufted Duck	Water Rail	Wigeon	Whooper Swan
	Subsite Name																						
I-WeBS L. Derg	Ballycuggeran Bay	15	4				1								17		7			1			
I-WeBS L. Derg	Ballyheefy		6														7						
I-WeBS L. Derg	Bearoge Island		2											2			1						
I-WeBS L. Derg	Blackrock Point	2	22	3										3			22			2			
I-WeBS L. Derg	Bunglasha Bay		8		1									3	2					1			
I-WeBS L. Derg	Castlelough Public Park	1	1												2		4						
I-WeBS L. Derg	Church Bay	1												1									
I-WeBS L. Derg	Clery's Point		27	3					19			1	14	9			2			7			
I-WeBS L. Derg	Cloondadauv		10									1					7						
I-WeBS L. Derg	Cloonoolia Bay A						3							2			1	4		36			
I-WeBS L. Derg	Cloonoolia Bay B		3				2							3			3						
I-WeBS L. Derg	Derry Demesne	1															2			10			
I-WeBS L. Derg	Dromineer Bay	12		9									32	4			4			60			
I-WeBS L. Derg	Duceys Harbour	10	4	4											11		5						
I-WeBS L. Derg	Garrykennedy Harbour	9	26							1				2	16		8						
I-WeBS L. Derg	Gortmore		2														3						
I-WeBS L. Derg	Illanboe		1	1			3										2			4			
I-WeBS L. Derg	Kilcooney	3							1								4		2				5
I-WeBS L. Derg	Kilgarvan		13	2											2								
I-WeBS L. Derg	Knockaphort		2				4										4						
I-WeBS L. Derg	Luska		3	8			2		4	1				2	4		3			50			
I-WeBS L. Derg	Mota	3	2				2						30			1	4			8			
I-WeBS L. Derg	Mountshannon	6				1									2		1						
I-WeBS L. Derg	Old Village		5					59						3	1		4						
I-WeBS L. Derg	Portumna Bay		2	1													3				1		
I-WeBS L. Derg	Rossmore Pier		8	1										1	5		7						11
I-WeBS L. Derg	Ryninch	3		20													3						
I-WeBS L. Derg	Skehanagh	4	1				4							2	2		13	1		20			
I-WeBS L. Derg	Still Island	1	3														2						
I-WeBS L. Derg	Terryglass	40												3	10		4			10			
I-WeBS L. Derg	Towards spa isd north												38	1			4					100	
I-WeBS L. Derg	Youghal Harbour	32	1						3		2						13			15			
	Grand Total[3]	**143**	**156***	**52**	**1**	**1**	**21**	**59***	**27**	**2**	**2**	**2**	**114**	**41***	**74**	**1**	**147***	**5**	**2**	**224**	**1**	**100**	**16**

[3] **An Asterix (*) denotes that a species has met the 1% national threshold. An overview of these thresholds can be found in Appendix E.**
It is important to note that the I-WeBS counts were carried out over a two-day period (November- April inclusive), and so some species may have been counted twice erroneously.

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November 2018													
Survey	Species BTO Code	BH	CA	CO	GG	GN	L.	LG	MA	MH	MS	RK	TU
	Species Name	Black-headed Gull	Cormorant	Coot	Great-crested Grebe	Goldeneye	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Redshank	Tufted Duck
	Subsite Name												
I-WeBS Parteen	Ardcloony		7	2	1	2			14		11		380
I-WeBS Parteen	Clarisford	2	6			2		14			5		7
I-WeBS Parteen	O'Briensbridge	8					55		1	1	12	1	
	Grand Total	**10**	**13**	**2**	**1**	**4**	**55**	**14**	**15**	**1**	**28**	**1**	**387***

December 2018																			
Survey	Species BTO Code	BH	CA	CO	ET	GG	GN	L.	LB	LG	MA	MH	MS	SN	SP	T.	TU	WN	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great- crested Grebe	Goldeneye	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Scaup	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name																		
I-WeBS L. Derg	Ballycuggeran Bay	22	2								10		2						
I-WeBS L. Derg	Ballyeiragh							37									43		
I-WeBS L. Derg	Ballyheefy	130	5										10						
I-WeBS L. Derg	Bearoge Island	8	13								12		5						
I-WeBS L. Derg	Blackrock Point		1	2	1					2			1						
I-WeBS L. Derg	Bunglasha Bay	1		1						2			3				5		
I-WeBS L. Derg	Castlelough Public Park	26	2		6						4		5						
I-WeBS L. Derg	Church Bay			1						1			2						
I-WeBS L. Derg	Clery's Point						1						2						
I-WeBS L. Derg	Cloonmoylan Harbour	1																	
I-WeBS L. Derg	Cloonoolia Bay A			1									2				25		2
I-WeBS L. Derg	Cloonoolia Bay B		1														15		
I-WeBS L. Derg	Derry Demesne	1	1										3						
I-WeBS L. Derg	Dromineer Bay	18	3	1		1		7		8			3				21		
I-WeBS L. Derg	Duceys Harbour	4	3	11					2				7				168		
I-WeBS L. Derg	Friary	155	3								4	2	4						
I-WeBS L. Derg	Garrykennedy Harbour	30	10			1				1	9		5						
I-WeBS L. Derg	Gortmore		16	2		1		2			1		9			7	10		
I-WeBS L. Derg	Illanboe		2	2						4	2		1				1		
I-WeBS L. Derg	Kilcooney	23					11										6		14
I-WeBS L. Derg	Kilgarvan		17	9						2			1		1				
I-WeBS L. Derg	Knockaphort		1	4			9						4			6	10		
I-WeBS L. Derg	Luska		1	9		7	1			10			1				62		

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December 2018																		
Survey	Species BTO Code	BH	CA	CO	ET	GG	GN	L.	LB	LG	MA	MH	MS	SN	SP	T.	TU	WN	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great- crested Grebe	Goldeneye	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Scaup	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name																		
I-WeBS L. Derg	Mota		1	11		3					2		1				4	3	
I-WeBS L. Derg	Mountshannon	2									2		7				1		
I-WeBS L. Derg	Old Village		4							1									
I-WeBS L. Derg	Portumna Bay	1	4								2		4			2			
I-WeBS L. Derg	Rossmore Pier		1	1									2						
I-WeBS L. Derg	Ryninch	16	1										4						
I-WeBS L. Derg	Silver Island	5																	
I-WeBS L. Derg	Skehanagh		2	32		4				4			2				70		
I-WeBS L. Derg	Still Island	1								3				2					
I-WeBS L. Derg	Terryglass	57		2			6			3	16		1				10		
I-WeBS L. Derg	Towards spa isd north	1						130		1							93		
I-WeBS L. Derg	Williamstown		6													1	7		
I-WeBS L. Derg	Youghal Harbour	26	3	1	2	1	3			1			9				8		9
	Grand Total	**528**	**103**	**90**	**9**	**19**	**32**	**176**	**2**	**43***	**64**	**2**	**100***	**2**	**1**	**16**	**559***	**3**	**25**

December 2018											
Survey	Species BTO Code	BH	CA	GG	GN	H.	L.	LG	MS	SH	T.	TU	WS
	Species Name	Black-headed Gull	Cormorant	Great- crested Grebe	Goldeneye	Grey Heron	Lapwing	Little Grebe	Mute Swan	Sparrowhawk	Teal	Tufted Duck	Whooper Swan
	Subsite Name												
I-WeBS Parteen	Ardcloony	8	1						3		9	505	
I-WeBS Parteen	Clarisford		1		2		23	7	3	1		123	
I-WeBS Parteen	O'Briensbridge	9					17						6
I-WeBS Parteen	O'Briensbridge Montpelier		1	1		1							
	Grand Total	**17**	**3**	**1**	**2**	**1**	**40**	**7**	**6**	**1**	**9**	**628***	**6**

January 2019																			
Survey	Species BTO Code	BH	CA	CO	GG	GN	H.	HG	L.	LG	MA	MH	MS	PO	SV	Swans	T.	TU	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Great-crested Grebe	Goldeneye	Grey Heron	Herring Gull	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Pochard	Shoveler	UnID Swans	Teal	Tufted Duck	Whooper Swan
	Subsite Name																		
I-WeBS L. Derg	Ballycuggeran Bay	90						5			9								

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January 2019																			
Survey	Species BTO Code	BH	CA	CO	GG	GN	H.	HG	L.	LG	MA	MH	MS	PO	SV	Swans	T.	TU	WS
	Species Name	Black-headed Gull	Cormorant	Coot	Great-crested Grebe	Goldeneye	Grey Heron	Herring Gull	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Pochard	Shoveler	UnID Swans	Teal	Tufted Duck	Whooper Swan
	Subsite Name																		
I-WeBS L. Derg	Ballyheefy	1	1		2														
I-WeBS L. Derg	Blackrock Point		12	4	1					4		3	1						
I-WeBS L. Derg	Bunglasha Bay				1								1					6	
I-WeBS L. Derg	Castlelough Public Park		1																
I-WeBS L. Derg	Church Bay			6	1	3				2									
I-WeBS L. Derg	Clery's Point		2	1						1									
I-WeBS L. Derg	Cloondadauv	5	6	7	8						2		4	8	10			35	2
I-WeBS L. Derg	Cloonoolia Bay A				2						4							1	
I-WeBS L. Derg	Cloonoolia Bay B	1			2														
I-WeBS L. Derg	Derrymaceggan Bay	80	9										2						
I-WeBS L. Derg	Dromineer Bay	22		13	1		1			5								51	
I-WeBS L. Derg	Duceys Harbour	1			1				1				1						
I-WeBS L. Derg	Friary	8	4	1			2			2	2		4					10	
I-WeBS L. Derg	Garrykennedy Harbour	30		1						3	28		2					4	
I-WeBS L. Derg	Gortmore			1												7			
I-WeBS L. Derg	Illanboe				4								1					24	
I-WeBS L. Derg	Kilcooney												2						
I-WeBS L. Derg	Kilgarvan		9	1						4			2						
I-WeBS L. Derg	Knockaphort												2					5	2
I-WeBS L. Derg	Luska			2									2					50	
I-WeBS L. Derg	Mota	3	2	24	2					1						2		14	
I-WeBS L. Derg	Mountshannon	1								1			6					5	
I-WeBS L. Derg	Old Village	4	9				2						4						
I-WeBS L. Derg	Portumna Bay	80	9										2						
I-WeBS L. Derg	Rossmore Pier		2		1						4	1						1	
I-WeBS L. Derg	Skehanagh			2									5					5	
I-WeBS L. Derg	Still Island		4		2								1						2
I-WeBS L. Derg	Terryglass	3		5						4	19		2						
I-WeBS L. Derg	Towards spa isd north		4	7	2												2	24	
I-WeBS L. Derg	Williamstown	15	4		1		1						1						
I-WeBS L. Derg	Youghal Harbour	1	1		2								10						
	Grand Total	**345**	**79**	**75**	**33***	**3**	**6**	**5**	**1**	**27***	**68**	**4**	**55**	**8**	**10**	**9**	**2**	**235**	**6**

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January 2019								
Survey	Species BTO Code	BH	H.	LG	MA	MH	MS	TU
	Species Name	Black-headed Gull	Grey Heron	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck
	Subsite Name							
I-WeBS Parteen	Ardcloony	11	1				6	80
I-WeBS Parteen	Clarisford	2	1	1			2	12
I-WeBS Parteen	O'Briensbridge		1	1	5	2	4	
I-WeBS Parteen	O'Briensbridge Montpelier						3	
	Grand Total	**13**	**3**	**2**	**5**	**2**	**15**	**92**

February 2019																	
Survey	Species BTO Code	BH	CA	CO	ET	GG	GN	HW	L.	LG	MA	MH	MS	PO	SP	TU	WE
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great-crested Grebe	Goldeneye	Great White Egret	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Pochard	Scaup	Tufted Duck	White tailed Sea Eagle
	Subsite Name																
I-WeBS L. Derg	Ballycuggeran Bay	40			2		2				8		2				
I-WeBS L. Derg	Ballyheefy		1		1	1											1
I-WeBS L. Derg	Bearoge Island		74														
I-WeBS L. Derg	Blackrock Point			3									2				
I-WeBS L. Derg	Bunglasha Bay		1	1		1											
I-WeBS L. Derg	Church Bay		3	11		1				1			2			6	
I-WeBS L. Derg	Clery's Point			1						1	2					3	
I-WeBS L. Derg	Cloondadauv	20	1	120		5									2	250	
I-WeBS L. Derg	Cloonoolia Bay A			3													
I-WeBS L. Derg	Cloonoolia Bay B			3												6	
I-WeBS L. Derg	Derrymaceggan Bay	30	1										2				
I-WeBS L. Derg	Dromineer Bay	11	2	21						7			5			25	
I-WeBS L. Derg	Duceys Harbour		3	5					80				1			30	
I-WeBS L. Derg	Friary	50	4	1													
I-WeBS L. Derg	Garrykennedy Harbour	60	2			2					23		5				
I-WeBS L. Derg	Gortmore	1											3				
I-WeBS L. Derg	Illanboe			1							2		4			5	
I-WeBS L. Derg	Kilcooney					1										60	
I-WeBS L. Derg	Kilgarvan		1							1							
I-WeBS L. Derg	Knockaphort	7					1				2		2			14	
I-WeBS L. Derg	Luska		3	6		4				2			4	4		42	
I-WeBS L. Derg	Mota			5		2										53	
I-WeBS L. Derg	Mountshannon												2			5	
I-WeBS L. Derg	Old Village											1					

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February 2019																	
Survey	Species BTO Code	BH	CA	CO	ET	GG	GN	HW	L.	LG	MA	MH	MS	PO	SP	TU	WE
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Great-crested Grebe	Goldeneye	Great White Egret	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Pochard	Scaup	Tufted Duck	White tailed Sea Eagle
	Subsite Name																
I-WeBS L. Derg	Rossmore Pier		1														
I-WeBS L. Derg	Ryninch				3												
I-WeBS L. Derg	Skehanagh		1	17		1				1			5			2	
I-WeBS L. Derg	Terryglass	300		1		1				3	21						
I-WeBS L. Derg	Towards spa isd north		1						120		4				10		
I-WeBS L. Derg	Youghal Harbour	11	4	5		4		1		1			6			12	
	Grand Total	**530**	**103**	**204***	**6**	**23**	**3**	**1**	**200**	**17**	**62**	**1**	**45**	**4**	**12**	**513***	**1**

February 2019										
Survey	Species BTO Code	BH	CA	HG	L.	LG	MA	MS	RK	TU
	Species Name	Black-headed Gull	Cormorant	Herring Gull	Lapwing	Little Grebe	Mallard	Mute Swan	Redshank	Tufted Duck
	Subsite Name									
I-WeBS Parteen	Ardcloony	6	1					6		360
I-WeBS Parteen	Clarisford	1	2			2		4		
I-WeBS Parteen	O'Briensbridge	4						5	1	
I-WeBS Parteen	O'Briensbridge Montpelier	40		1	36		3			
	Grand Total	**51**	**3**	**1**	**36**	**2**	**3**	**15**	**1**	**360***

March 2019																				
Survey	BTO Species Codes	BH	CA	CO	CU	ET	GA	GG	GJ	GN	H.	HG	L.	LB	LG	MA	MH	MS	TU	WN
	Species name	Black-headed Gull	Cormorant	Coot	Curlew	Little Egret	Gadwall	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Herring Gull	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Wigeon
	Subsite Name																			
I-WeBS L. Derg	Ballycuggeran Bay	58						2				1				16		5		
I-WeBS L. Derg	Ballyheefy					3		3												
I-WeBS L. Derg	Bearoge Island		160					4								2	1	5		
I-WeBS L. Derg	Blackrock Point	0	3	5				6										2		
I-WeBS L. Derg	Bunglasha Bay	70		1																
I-WeBS L. Derg	Castlelough Public Park	20																4		
I-WeBS L. Derg	Clery's Point		1	3				2							1					
I-WeBS L. Derg	Cloondadauv	40	2	60				1							4			4	50	
I-WeBS L. Derg	Cloonoolia Bay A	14	1							2								1		
I-WeBS L. Derg	Cloonoolia Bay B							1										8	10	

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March 2019																				
Survey	BTO Species Codes	BH	CA	CO	CU	ET	GA	GG	GJ	GN	H.	HG	L.	LB	LG	MA	MH	MS	TU	WN
	Species name	Black-headed Gull	Cormorant	Coot	Curlew	Little Egret	Gadwall	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Herring Gull	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Wigeon
	Subsite Name																			
I-WeBS L. Derg	Derry Demesne	30	3			2												2		
I-WeBS L. Derg	Derrymaceggan Bay	0	5	3											2	5		1	1	
I-WeBS L. Derg	Dromineer Bay	20	2	8				5				2			3			1	2	
I-WeBS L. Derg	Duceys Harbour		3											1		3		1		
I-WeBS L. Derg	Friary	0						2			1				1		1	2		
I-WeBS L. Derg	Garrykennedy Harbour	160	1													5		1		
I-WeBS L. Derg	Gortmore	20	6	5														13		
I-WeBS L. Derg	Illanboe	40	2	6	22	4		4										1	8	
I-WeBS L. Derg	Kilcooney																		10	
I-WeBS L. Derg	Kilgarvan	6		3				1							1			2	20	
I-WeBS L. Derg	Knockaphort		3	5				6		3					7			5	37	
I-WeBS L. Derg	Luska	8	2	11				10										4	34	
I-WeBS L. Derg	Mota		1	14				1							3				14	
I-WeBS L. Derg	Mountshannon		3	2				1										2	33	
I-WeBS L. Derg	Old Village		5																	
I-WeBS L. Derg	Rossmore Pier	100						3							4			12		
I-WeBS L. Derg	Ryninch	2				1												2		
I-WeBS L. Derg	Skehanagh	20		12				4										2	18	
I-WeBS L. Derg	Terryglass	70		1				1								2		5	5	
I-WeBS L. Derg	Towards spa isd north	20	2				12		14				42		4			2		2
I-WeBS L. Derg	Williamstown	100	3	3				4	2											
I-WeBS L. Derg	Youghal Harbour	30		2											2			1		
	Grand Total	**828**	**208***	**144**	**22**	**10**	**12**	**61***	**16**	**5**	**1**	**3**	**42**	**1**	**32***	**33**	**2**	**88**	**242**	**2**

March 2019												
Survey	BTO Species Codes	BH	CA	GG	GJ	GN	H.	KF	MA	MS	RK	TU
	Species name	Black-headed Gull	Cormorant	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Mallard	Mute Swan	Redshank	Tufted Duck
	Subsite Name											
I-WeBS Parteen	Ardcloony	48	2	1			1		2	11		153
I-WeBS Parteen	Clarisford	4	1	4		5		1	1	2		10
I-WeBS Parteen	O'Briensbridge	14								2	1	
I-WeBS Parteen	O'Briensbridge Montpelier	1	1		1				3			
	Grand Total	**67**	**4**	**5**	**1**	**5**	**1**	**1**	**6**	**15**	**1**	**163**

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April 2019																			
Survey	Species BTO Code	BH	CA	CO	ET	GA	GG	GJ	GN	H.	HG	HW	K.	LB	LG	MA	MS	RM	TU	WE
	Species Name	Black-headed Gull	Cormorant	Coot	Little Egret	Gadwall	Great-crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Herring Gull	Great White Egret	Kestrel	Lesser Black-backed Gull	Little Grebe	Mallard	Mute Swan	Red Breasted Merganser	Tufted Duck	White tailed Sea Eagle
	Subsite Name																			
I-WeBS L. Derg	Ballycuggeran Bay	8			2		2				1					2				
I-WeBS L. Derg	Ballyheefy						2								1					
I-WeBS L. Derg	Bearoge Island		150				2										5			1
I-WeBS L. Derg	Blackrock Point		1	7			4								3	2				
I-WeBS L. Derg	Bunglasha Bay			1									1						4	
I-WeBS L. Derg	Castlelough Public Park																1			
I-WeBS L. Derg	Church Bay		3	2			5	5		1		1				5				
I-WeBS Parteen	Clarisford			1			2									2	1			
I-WeBS L. Derg	Clery's Point	1		1											1					
I-WeBS L. Derg	Cloondadauv	51					2										1		14	
I-WeBS L. Derg	Cloonoolia Bay A	3					3		2								2		11	
I-WeBS L. Derg	Cloonoolia Bay B	3	1														3		6	
I-WeBS L. Derg	Derrymaceggan Bay	20	3				8												9	
I-WeBS L. Derg	Dromineer Bay	6		4			2								2		4		110	
I-WeBS L. Derg	Duceys Harbour		3	3			2									5				
I-WeBS L. Derg	Friary	180		4												2	3			
I-WeBS L. Derg	Garrykennedy Harbour	100					8					1					10			
I-WeBS L. Derg	Gortmore	40	100				1										20			2
I-WeBS L. Derg	Illanboe			2	1		2										2		8	
I-WeBS L. Derg	Kilcooney							2												
I-WeBS L. Derg	Kilgarvan	4		1															8	2
I-WeBS L. Derg	Knockaphort						2										3		19	
I-WeBS L. Derg	Luska		3				8		5							2	5			
I-WeBS L. Derg	Mota	6	100	8			3								1		3		12	
I-WeBS L. Derg	Mountshannon			2	1		3							2					5	
I-WeBS Parteen	O'Briensbridge Montpelier		4					1								4	2			
I-WeBS L. Derg	Old Village	10					1										2			
I-WeBS L. Derg	Rossmore Pier	12					1									2			14	
I-WeBS L. Derg	Ryninch		1	1							1						1			
I-WeBS L. Derg	Skehanagh	13	3		1		3						1			2	6	2	23	
I-WeBS L. Derg	Terryglass	13	3	1			4			1					4	6	9		4	
I-WeBS L. Derg	Towards spa isd north		6			7	1	12												
I-WeBS L. Derg	Williamstown	38	2				2				2									
I-WeBS L. Derg	Youghal Harbour	10	1	3			1								1		15			
	Grand Total	**518**	**380***	**40**	**5**	**7**	**72***	**19**	**7**	**3**	**4**	**2**	**2**	**2**	**13**	**28**	**95***	**2**	**247**	**5**

April 2019											
Surveys	**Species BTO Code**	**CA**	**CO**	**GG**	**GJ**	**H.**	**KF**	**MA**	**MH**	**MS**	**TU**
	Species Name	**Cormorant**	**Coot**	**Great-crested Grebe**	**Greylag Goose**	**Grey Heron**	**Kingfisher**	**Mallard**	**Moorhen**	**Mute Swan**	**Tufted Duck**
	Subsite Name										
I-WeBS Parteen	Ardcloony	1				1				8	38
I-WeBS Parteen	Clarisford		1	2			1	2	1	1	
I-WeBS Parteen	O'Briensbridge Montpelier	4			1			4		2	
	Grand Total	**5**	**1**	**2**	**1**	**1**	**1**	**6**	**1**	**11**	**38**

November 2018																	
Survey	**Species BTO Code**	**BG**	**BH**	**BZ**	**CO**	**H.**	**L.**	**LG**	**MA**	**MH**	**MS**	**SN**	**SV**	**TU**	**WM**	**WN**	**WS**
	Species Name	**Brent Goose**	**Black-headed Gull**	**Buzzard**	**Coot**	**Grey Heron**	**Lapwing**	**Little Grebe**	**Mallard**	**Moorhen**	**Mute Swan**	**Snipe**	**Shoveler**	**Tufted Duck**	**Whimbrel**	**Wigeon**	**Whooper Swan**
	Subsite Name																
I-WeBS Corridor	Ardcrony						33										
I-WeBS Corridor	Ballybeg Lane				1	1			3	3							
I-WeBS Corridor	Ballycon Wetland						25				1						
I-WeBS Corridor	Coolderry		1														
I-WeBS Corridor	Cushaling	12			8			15	21					70			25
I-WeBS Corridor	Gorteenkeel Bog											2			1		
I-WeBS Corridor	Grand Canal at Ardclogh (34)							3	2					4			
I-WeBS Corridor	K Club (Liffey at Strattan Br)								2		4						
I-WeBS Corridor	Lisnasoolmoy		1														
I-WeBS Corridor	Little Brosna (Brosna Bridge)			1	1				1	2							
I-WeBS Corridor	Little Brosna (Sharavogue Bridge)						10										
I-WeBS Corridor	Lough Eorna		16		1				8		2		15			25	
I-WeBS Corridor	Lough Nahinch								5								
I-WeBS Corridor	Nenagh River Ballyartella Br.		45														
I-WeBS Corridor	North of Cushaling								2								
I-WeBS Corridor	Pallas Lough						16		11								
	Grand Total	**12**	**63**	**1**	**11**	**1**	**84**	**18**	**55**	**5**	**7**	**2**	**15**	**74**	**1**	**25**	**25**

December 2018															
Survey	Species BTO Codes	BH	GG	GL	GP	K.	L.	LG	MA	MH	MS	SN	T.	TU	WS
	Species Name	Black-headed Gull	Great-crested Grebe	Greylag Goose	Golden Plover	Kestrel	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Teal	Tufted Duck	Whooper Swan
	Subsite Name														
I-WeBS Corridor	Ballycon Wetland											1			
I-WeBS Corridor	Cushaling														60
I-WeBS Corridor	Derrinboy						4				3				
I-WeBS Corridor	Gorteenkeel Bog										2	5			
I-WeBS Corridor	Grand Canal at Ardclogh (34)							4			2				
I-WeBS Corridor	Kilurane											5			
I-WeBS Corridor	Lisnasoolmoy				23										
I-WeBS Corridor	Little Brosna (Sharavogue Bridge)			2											
I-WeBS Corridor	Lough Eorna	67	11					13	35	2			20	132	
I-WeBS Corridor	Lough Nahinch					1									
I-WeBS Corridor	Pallas Lough								27		4				
	Grand Total	**67**	**11**	**2**	**23**	**1**	**4**	**17**	**62**	**2**	**11**	**11**	**20**	**132**	**60**

January 2019												
Survey	Species BTO Code	BH	CO	ET	H.	LB	LG	MA	MH	MS	SN	TU
	Species Name	Black-headed Gull	Coot	Little Egret	Grey Heron	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Snipe	Tufted Duck
	Subsite Name											
I-WeBS Corridor	Ballybeg Lane		5					6				
I-WeBS Corridor	Coolderry				1							
I-WeBS Corridor	Drehid					12						
I-WeBS Corridor	Gorteenkeel Bog										4	
I-WeBS Corridor	Grand Canal at Ardclogh (34)						4	2				
I-WeBS Corridor	Little Brosna (Sharavogue Bridge)			1								
I-WeBS Corridor	Lough Eorna	178	15					18	1	9		31
I-WeBS Corridor	Pallas Lough				1			8		4		3
	Grand Total	**178**	**20**	**1**	**2**	**12**	**4**	**34**	**1**	**13**	**4**	**34**

February 2019													
Survey	Species BTO Code	BH	BZ	CO	H.	L.	LG	MA	MH	MS	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name												
I-WeBS Corridor	Ardcrony	210				231						19	

Jacobs TOBIN

February 2019													
Survey	Species BTO Code	BH	BZ	CO	H.	L.	LG	MA	MH	MS	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name												
I-WeBS Corridor	Ballybeg Lane			5			1	2		2			
I-WeBS Corridor	Coolderry												113
I-WeBS Corridor	Grand Canal at Ardclogh (34)							5	1	2			
I-WeBS Corridor	Lough Eorna	12		2	1		2	6	6	10	15	12	27
I-WeBS Corridor	Lough Nahinch	35						2					
I-WeBS Corridor	Nenagh River Ballyartella Br.						1						
I-WeBS Corridor	Pallas Lough				1			5		2			
I-WeBS Corridor	Rathlumber		1										
	Grand Total	**257**	**1**	**7**	**2**	**231**	**4**	**20**	**7**	**16**	**15**	**31**	**140**

March 2019																			
Survey	Species BTO Code	BH	BZ	CA	CO	GL	GP	H.	HG	KF	L.	LG	MA	MS	SV	T.	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Grey Wagtail	Golden Plover	Grey Heron	Herring Gull	Kingfisher	Lapwing	Little Grebe	Mallard	Mute Swan	Shoveler	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name																		
I-WeBS Corridor	Ardcrony	42					220				6				4	73	3	61	
I-WeBS Corridor	Ballybeg Lane				4							2							
I-WeBS Corridor	Coolderry	410																	81
I-WeBS Corridor	Drehid								1										
I-WeBS Corridor	Grand Canal at Ardclogh (34)													2					
I-WeBS Corridor	Little Brosna (Brosna Bridge)			1									2	2					
I-WeBS Corridor	Lough Eorna	230			2			2				2	4	5			15		25
I-WeBS Corridor	Lough Nahinch		1																
I-WeBS Corridor	Nenagh River Ballyartella Br.					1				1									
I-WeBS Corridor	Pallas Lough													4					
	Grand Total	**682**	**1**	**1**	**6**	**1**	**220**	**2**	**1**	**1**	**6**	**4**	**6**	**13**	**4**	**73**	**18**	**61**	**106**

April 2019																	
Survey	Species BTO Code	BH	BZ	CO	GG	GL	GP	H.	L.	LG	MA	MH	MS	T.	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Great-crested Grebe	Grey Wagtail	Golden Plover	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name																
I-WeBS Corridor	Ardcrony	44		5			10	1	8					26		14	
I-WeBS Corridor	Ballybeg Lane			2								2					

April 2019																	
Survey	Species BTO Code	BH	BZ	CO	GG	GL	GP	H.	L.	LG	MA	MH	MS	T.	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Great-crested Grebe	Grey Wagtail	Golden Plover	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck	Wigeon	Whooper Swan
	Subsite Name																
I-WeBS Corridor	Coolderry		1														
I-WeBS Corridor	K Club (Liffey at Strattan Br)										3						
I-WeBS Corridor	Lough Eorna	360						2		1					8		5
I-WeBS Corridor	Nenagh River Ballyartella Br.					1							2				
I-WeBS Corridor	Pallas Lough				1						3		3				
I-WeBS Corridor	Rathlumber		0														
	Grand Total	**404**	**1**	**7**	**1**	**1**	**10**	**3**	**8**	**1**	**6**	**2**	**5**	**26**	**8**	**14**	**5**

November 2019								
Survey	Species BTO Code	BZ	HG	K.	LB	MA	MS	SN
	Species Name	Buzzard	Herring Gull	Kestrel	Lesser Black-backed Gull	Mallard	Mute Swan	Snipe
	Subsite Name							
Hen Harrier Survey	Kilcomber			3			2	
Hen Harrier Survey	NE of Drehid	1	1		6			
Hen Harrier Survey	Sharavogue	1		1			3	
Hen Harrier Survey	Timahoe East					2		2
	Grand Total	**2**	**1**	**4**	**6**	**2**	**5**	**2**

December 2018								
Survey	Species BTO Code	BZ	ET	HG	MA	SH	SN	WS
	Species Name	Buzzard	Little Egret	Herring Gull	Mallard	Sparrowhawk	Snipe	Whooper Swan
	Subsite Name							
Hen Harrier Survey	Kilcomber							5
Hen Harrier Survey	Kinnitty	1						
Hen Harrier Survey	Mount Lucas	1				1		
Hen Harrier Survey	NE of Drehid			182			2	
Hen Harrier Survey	Sharavogue		2		2			
	Grand Total	**2**	**2**	**182**	**2**	**1**	**2**	**5**

January 2019					
Survey	Species BTO Codes	H.	K.	L.	
	Species Name	Grey Heron	Kestrel	Lapwing	UnID Swan
	Subsite Name				
Hen Harrier Survey	Kinnitty	1			3
Hen Harrier Survey	Mount Lucas			20	
Hen Harrier Survey	Timahoe East		1		
	Grand Total	**1**	**1**	**20**	**3**

February 2019					
Survey	Species BTO Codes	BH	BZ	HH	MS
	Species Name	Black-headed Gull	Buzzard	Hen Harrier	Mute Swan
	Subsite Name				
Hen Harrier Survey	Kilcomber		4		1
Hen Harrier Survey	Mount Lucas			1	
Hen Harrier Survey	Timahoe East				
Hen Harrier Survey	West of Drehid	8	2		
	Grand Total	**8**	**6**	**1**	**1**

March 2019									
Survey	Species BTO Codes	BH	BZ	CA	H.	K.	LB	MA	
	Species Name	Black-headed Gull	Buzzard	Cormorant	Grey Heron	Kestrel	Lesser Black-backed Gull	Mallard	UnID Swan
	Subsite Name								
Hen Harrier Survey	Kilcomber		4						
Hen Harrier Survey	Mount Lucas					1			
Hen Harrier Survey	NE of Drehid				1			3	10
Hen Harrier Survey	Sharavogue		1	3		1			
Hen Harrier Survey	Timahoe East	146			1		20		
Hen Harrier Survey	West of Drehid		3		3	1			
	Grand Total	**146**	**8**	**3**	**5**	**3**	**20**	**3**	**10**

April 2019							
Survey	Species BTO Code	BZ	HG	K.	LB	MA	SH
	Species Name	Buzzard	Herring Gull	Kestrel	Lesser Black-backed Gull	Mallard	Sparrowhawk
	Subsite Name						
Hen Harrier Survey	NE of Drehid				3	2	1
Hen Harrier Survey	Timahoe East	1	1	2	1	7	
	Grand Total	**1**	**1**	**2**	**4**	**9**	**1**

Vantage Point Surveys 2018/2019:

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	19/11/2018	AB SC	Day	No data	MA	16	No data	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Flanagans	19/11/2018	AB SC	Day	No data	BH	41	No data	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Flanagans	19/11/2018	AB SC	Day	No data	BH	11	Yes	11:02	No data	N	No data	Yes	Yes	No data	No data	Calling. Foraging over river beside VP
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	11:22	No data	SE/NW	No data	Yes	No data	No data	No data	Flew low around corner. Foraging in area
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	11:24	No data	N	No data	Yes	Yes	No data	No data	Commuting N over treeline towards LD
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	11:27	No data	SW	No data	Yes	Yes	No data	No data	Commuting SW over pub towards river
Flanagans	19/11/2018	AB SC	Day	No data	WS	4	Yes	11:03	No data	S/SW	No data	Yes	No data	No data	No data	Commuting S turning SW out of view
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	11:34	No data	SW	No data	Yes	No data	No data	No data	Calling. Commuting S, turning SW over pub to water
Flanagans	19/11/2018	AB SC	Day	No data	MA	3	Yes	11:39	No data	SE	No data	Yes	No data	No data	No data	Short commuting flight in front of VP
Flanagans	19/11/2018	AB SC	Day	No data	MA	3	Yes	11:42	No data	SE	No data	Yes	No data	No data	No data	Calling. Short commuting flight in front of VP
Flanagans	19/11/2018	AB SC	Day	No data	MA	2	Yes	11:05	No data	S	No data	No data	No data	No data	No data	Calling. Flew S over bridge towards canal
Flanagans	19/11/2018	AB SC	Day	No data	MA	2	Yes	11:54	No data	N	No data	No data	No data	No data	No data	Flew N back over bridge towards VP
Flanagans	19/11/2018	AB SC	Day	No data	BH	3	Yes	11:57	No data	S	No data	No data	No data	Yes	No data	Commuting S around corner towards Parteen
Flanagans	19/11/2018	AB SC	Day	No data	MA	1	Yes	12:02	No data	NW	No data	No data	Yes	No data	No data	Commuting NW along corridor
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	12:08	No data	N	No data	No data	Yes	No data	No data	Commuting N over treeline towards LD
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	12:09	No data	N	No data	No data	Yes	No data	No data	Commuting N over river and around the bend
Flanagans	19/11/2018	AB SC	Day	No data	MA	2	Yes	12:02	No data	SW/W	No data	No data	No data	No data	No data	Flew from VP towards jetty across river
Flanagans	19/11/2018	AB SC	Day	No data	BH	3	Yes	12:03	No data	S	No data	No data	No data	Yes	No data	Flew S around corner towards Parteen
Flanagans	19/11/2018	AB SC	Day	No data	BH	4	Yes	12:39	No data	N	No data	No data	Yes	No data	No data	Commuting N along river and around corner
Flanagans	19/11/2018	AB SC	Day	No data	CA	1	Yes	12:48	No data	N	No data	No data	Yes	No data	No data	Commuting N along river and around corner
Flanagans	19/11/2018	AB SC	Day	No data	MA	3	No data	12:49	No data	N	No data	No data	No data	No data	No data	Flew N over bridge towards VP
Flanagans	19/11/2018	AB SC	Day	No data	BH	8	Yes	12:53	No data	N	No data	No data	Yes	No data	No data	Commuting N along river and around bend
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	13:00	No data	S	No data	No data	No data	Yes	No data	Commuting S towards Parteen
Flanagans	19/11/2018	AB SC	Day	No data	MA	3	Yes	13:03	No data	N	No data	No data	No data	No data	No data	Flew N over VP towards bridge
Flanagans	19/11/2018	AB SC	Day	No data	H.	1	Yes	13:19	No data	N	No data	No data	Yes	No data	No data	Commuting N along river and around bend
Flanagans	19/11/2018	AB SC	Day	No data	MA	2	Yes	13:02	No data	S	No data	No data	No data	Yes	No data	Pair commuting along river

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
																towards VP
Flanagans	19/11/2018	AB SC	Day	No data	MA	3	Yes	13:36	No data	W	No data	No data	No data	No data	No data	Flew W from quay wall towards corner
Flanagans	19/11/2018	AB SC	Day	No data	MA	1	Yes	13:36	No data	W	No data	No data	No data	No data	No data	Flew W across river and landed
Flanagans	19/11/2018	AB SC	Day	No data	CA	1	Yes	13:04	No data	S	No data	No data	No data	No data	No data	Commuting S along river towards Parteen
Flanagans	19/11/2018	AB SC	Day	No data	BH	1	Yes	13:56	No data	N	No data	No data	No data	No data	No data	Commuting N along river and around bend
Flanagans	19/11/2018	AB SC	Day	No data	MA	1	Yes	13:57	No data	N	No data	No data	No data	No data	No data	Flew N over bridge towards VP
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	3	No data	14:03	No data	No data	No data	No data	No data	No data	No data	No data
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	24	No data	14:03	No data	No data	No data	No data	No data	No data	No data	No data
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	1	Yes	14:41	No data	N	No data	Yes	Yes	No data	No data	Over bridge and round corner to LD
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	2	Yes	14:45	No data	N	No data	Yes	No data	No data	No data	Over bridge and landed in front of VP
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	4	Yes	14:45	No data	S	No data	Yes	No data	Yes	No data	Round corner towards Parteen
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	1	Yes	14:48	No data	N	No data	Yes	Yes	No data	No data	Towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	2	Yes	14:52	No data	S	No data	Yes	No data	No data	No data	To VP
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	3	Yes	14:53	No data	S	No data	Yes	No data	Yes	No data	Round corner towards Parteen
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	3	Yes	14:58	No data	S	No data	Yes	No data	Yes	No data	Round corner towards Parteen
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	1	Yes	15:01	No data	N	No data	Yes	No data	No data	No data	Over bridge and landed in front of VP
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	1	Yes	15:15	No data	S	No data	Yes	No data	No data	No data	Round corner towards Parteen
Flanagans	19/11/2018	AB SC	Dusk	No data	CA	1	Yes	15:16	No data	S	No data	Yes	No data	Yes	No data	Flew S along river, then curved SW
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	3	Yes	15:35	No data	N	No data	Yes	No data	No data	No data	Over bridge and landed in front of VP
Flanagans	19/11/2018	AB SC	Dusk	No data	KF	1	Yes	15:32	No data	S	No data	Yes	No data	No data	No data	Flew S along E bank of river
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	2	Yes	15:34	No data	N	No data	Yes	No data	No data	No data	Over bridge and landed in front of VP
Flanagans	19/11/2018	AB SC	Dusk	No data	MA	5	Yes	15:04	No data	S	No data	Yes	No data	No data	No data	Fle s across bridge and landed in canal
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	11	Yes	16:00	No data	N	No data	Yes	No data	No data	No data	Commuting N over Flanagans
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	7	Yes	16:01	No data	N	No data	Yes	No data	No data	No data	Commuting N and turned NW behind Flanagans
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	17	Yes	16:02	No data	N	No data	Yes	Yes	No data	No data	Commuting N over treeline towards LD
Flanagans	19/11/2018	AB SC	Dusk	No data	CA	1	Yes	16:01	No data	S	No data	Yes	No data	Yes	No data	Turned SW over canal
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	42	Yes	16:14	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	3	Yes	16:24	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	30	Yes	16:32	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	45	Yes	16:38	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	18	Yes	16:41	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	52	Yes	16:45	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	54	Yes	16:53	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Flanagans	19/11/2018	AB SC	Dusk	No data	BH	21	Yes	17:00	No data	N	No data	Yes	Yes	No data	No data	Flew N towards LD and out of view
Clarisford	12/12/2018	KM	Dawn	No data	LG	30	Yes	09:45	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	20/11/2018	AB SC	Day	No data	GN	8	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	WS	5	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	CA	3	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	MS	5	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	GG	2	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	TU	680	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	11:03	No data	SW	Yes	Yes	No data	No data	Yes	Commuting SW
Clarisford	20/11/2018	AB SC	Day	No data	WS	1	Yes	11:03	No data	S	Yes	Yes	No data	No data	Yes	Commuting S along E bank

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
																from others
Clarisford	20/11/2018	AB SC	Day	No data	BH	4	Yes	11:03	No data	N	No data	No data	Yes	No data	No data	Wandering flight N
Clarisford	20/11/2018	AB SC	Day	No data	GN	1	Yes	11:41	No data	E	Yes	No data	No data	No data	No data	Flew across basin to edge of conifers
Clarisford	20/11/2018	AB SC	Day	No data	MA	1	Yes	11:48	No data	E. N	No data	No data	Yes	No data	No data	Flew E around corner commuting
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	11:52	No data	N	No data	No data	Yes	No data	No data	Commuting N along E edge
Clarisford	20/11/2018	AB SC	Day	No data	MH	1	Yes	11:55	No data	SW	No data	No data	No data	No data	No data	Flew around corner into reedbed
Clarisford	20/11/2018	AB SC	Day	No data	BH	12	Yes	12:07	No data	W	No data	No data	No data	No data	Yes	Flew from ESB works in an W direction
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	12:09	No data	S	No data	No data	No data	No data	Yes	Commuting S
Clarisford	20/11/2018	AB SC	Day	No data	MA	1	Yes	12:11	No data	N	No data	No data	No data	No data	No data	Commuting N and landing in reeds
Clarisford	20/11/2018	AB SC	Day	No data	K.	1	Yes	12:25	No data	N. NW	No data	No data	No data	No data	No data	Mobbed by HC. Flew over reedbed
Clarisford	20/11/2018	AB SC	Day	No data	WS	9	Yes	12:25	No data	W	No data	No data	No data	No data	No data	Flew W along basin around corner
Clarisford	20/11/2018	AB SC	Day	No data	WS	1	Yes	12:28	No data	N	No data	No data	Yes	No data	No data	Branched off from group and flew N
Clarisford	20/11/2018	AB SC	Day	No data	ET	1	Yes	12:38	No data	N	Yes	No data	No data	No data	No data	Flew N along W side
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	12:38	No data	N	No data	No data	No data	No data	No data	Commuting N to LD
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	TU	520	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	WS	7	Yes	12:45	No data	N. NNE	No data	Yes	No data	No data	No data	Flew N turning E behind conifers
Clarisford	20/11/2018	AB SC	Day	No data	BH	2	Yes	12:53	No data	N	No data	No data	Yes	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Day	No data	BH	1	Yes	13:00	No data	N	No data	No data	Yes	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Day	No data	BH	1	Yes	13:01	No data	S	No data	No data	No data	Yes	No data	Commuting S towards weir
Clarisford	20/11/2018	AB SC	Day	No data	MA	2	Yes	13:13	No data	E	Yes	No data	No data	No data	No data	Flew across basin
Clarisford	20/11/2018	AB SC	Day	No data	BH	4	Yes	13:13	No data	N	No data	No data	No data	No data	No data	Commuting
Clarisford	20/11/2018	AB SC	Day	No data	BZ	1	Yes	13:19	No data	W	No data	Yes	No data	No data	No data	Flew W being mobbed by crows
Clarisford	20/11/2018	AB SC	Day	No data	MA	1	Yes	13:19	No data	N	No data	No data	No data	No data	No data	Flew N around corner
Ardcloony	12/12/2018	AB	Day	No data	TU	320	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	WS	8	Yes	13:26	No data	N	No data	No data	No data	No data	No data	Flew N turning E behind conifers
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	13:32	No data	W-E	Yes	No data	No data	No data	No data	Commuting across basin
Clarisford	20/11/2018	AB SC	Day	No data	BH	1	Yes	13:35	No data	N	Yes	No data	No data	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Day	No data	BH	1	Yes	13:36	No data	N	Yes	No data	No data	No data	No data	Commuting N
Ardcloony	12/12/2018	AB	Day	No data	TU	320	Yes	10:55	No data	N	Yes	No data	Yes	No data	No data	Commuted around corner
Ardcloony	12/12/2018	AB	Day	No data	TU	320	Yes	12:43	No data	E/W	Yes	No data	No data	No data	No data	Flushed by man landing kayak
Clarisford	20/11/2018	AB SC	Day	No data	KF	1	Yes	13:43	No data	NE-N	No data	No data	No data	No data	No data	Flew NE turning N around corner
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	13:49	No data	S. E	No data	No data	No data	No data	No data	Commuting S. Turning E over canal
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	13:49	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	12/12/2018	AB	Dusk	16.18	TU	250	No data	14:18	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	MA	6	Yes	14:07	No data	N	No data	No data	No data	No data	No data	Flew N around corner
Ardcloony	12/12/2018	AB	Dusk	16.18	TU	240	Yes	15:03	No data	S	Yes	No data	No data	No data	Yes	Flushed S by kayak towards weir, continued
Clarisford	20/11/2018	AB SC	Day	No data	MA	1	No data	14:09	No data	N	No data	No data	No data	No data	No data	Flew N
Clarisford	20/11/2018	AB SC	Day	No data	H.	1	Yes	14:09	No data	S-N	No data	No data	No data	No data	No data	Commuted S, circling back N
Clarisford	20/11/2018	AB SC	Day	No data	CA	1	Yes	14:13	No data	S-N	No data	No data	No data	No data	No data	Commuting S towards weir
Clarisford	20/11/2018	AB SC	Day	No data	BH	2	Yes	14:15	No data	SW	No data	No data	No data	No data	No data	Commuting. Turned SW over bend
Ardcloony	12/12/2018	AB	Dusk	16.18	TU	200	Yes	15:03	No data	S/N	Yes	No data	No data	No data	No data	Part of flock which flew S. 420 in total
Clarisford	20/11/2018	AB SC	Dawn	8	GN	28	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Dawn	8	CO	1	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Dawn	8	MS	8	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Dawn	8	MH	2	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Dawn	8	LG	22	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Dawn	8	MA	7	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Dawn	8	CA	7	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	20/11/2018	AB SC	Dawn	8	WS	6	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival (4 Juv.)
Clarisford	20/11/2018	AB SC	Dawn	8	SN	1	Yes	07:08	No data	S	No data	Yes	No data	No data	No data	Calling. Chipping flight.
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	TU	140	Yes	09:04	No data	W/E	Yes	No data	No data	No data	No data	Short circling flight
Clarisford	20/11/2018	AB SC	Dawn	8	BH	1	Yes	07:11	No data	S-E	Yes	No data	No data	No data	No data	Wandering flight S, turning E
Clarisford	20/11/2018	AB SC	Dawn	8	H.	1	Yes	07:14	No data	N-S	Yes	No data	No data	No data	No data	Flew N toward VP. Startled and flew back
Clarisford	20/11/2018	AB SC	Dawn	8	BH	10	Yes	07:16	No data	S	Yes	No data	No data	No data	Yes	Commuting S towards weir
Clarisford	20/11/2018	AB SC	Dawn	8	MA	3	Yes	07:18	No data	E	Yes	No data	No data	No data	No data	Flight across basin
Clarisford	20/11/2018	AB SC	Dawn	8	MA	1	Yes	07:19	No data	E-W	Yes	No data	No data	No data	No data	Flight across basin
Clarisford	20/11/2018	AB SC	Dawn	8	H.	1	Yes	07:19	No data	S	Yes	No data	No data	No data	No data	Commuting flight around corner
Clarisford	20/11/2018	AB SC	Dawn	8	BH	4	Yes	07:23	No data	S	Yes	No data	No data	No data	Yes	Commuting S
Clarisford	20/11/2018	AB SC	Dawn	8	BH	8	Yes	07:27	No data	N	Yes	No data	No data	No data	No data	Commuting N along bank
Clarisford	20/11/2018	AB SC	Dawn	8	KF	1	Yes	07:27	No data	N	Yes	No data	No data	No data	No data	Commuting N along bank
Clarisford	20/11/2018	AB SC	Dawn	8	BH	1	Yes	07:32	No data	N	Yes	No data	No data	No data	No data	Commuting N along bank
Clarisford	20/11/2018	AB SC	Dawn	8	KF	1	Yes	07:32	No data	S-N	Yes	No data	No data	No data	No data	Calling. Flew around corner Toward VP. Returned
Clarisford	20/11/2018	AB SC	Dawn	8	BH	1	Yes	07:33	No data	S	Yes	No data	No data	No data	No data	Commuting S towards weir
Clarisford	20/11/2018	AB SC	Dawn	8	WS	4	Yes	07:04	No data	N. E	Yes	Yes	No data	No data	Yes	Commuting N along edge. Turned E behind conifers
Clarisford	20/11/2018	AB SC	Dawn	8	BH	16	Yes	07:42	No data	S	Yes	Yes	No data	No data	No data	Commuting
Clarisford	20/11/2018	AB SC	Dawn	8	BH	8	Yes	07:05	No data	S	Yes	Yes	No data	No data	Yes	Commuting
Clarisford	20/11/2018	AB SC	Dawn	8	BH	5	Yes	07:05	No data	N	No data	No data	No data	No data	No data	Flew N. Turning E and landing near canal
Clarisford	20/11/2018	AB SC	Dawn	8	MS	2	Yes	07:51	No data	N-E	No data	No data	No data	No data	No data	Flew N, turning E and landing near canal
Clarisford	20/11/2018	AB SC	Dawn	8	MA	2	No data	08:00	No data	E-W returning	No data	No data	No data	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Dawn	8	CA	2	No data	08:00	No data	N	No data	No data	No data	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Dawn	8	BH	7	No data	08:00	No data	N	No data	No data	No data	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Dawn	8	CA	1	No data	08:03	No data	N	No data	No data	No data	No data	No data	Commuted E-W
Clarisford	20/11/2018	AB SC	Dawn	8	MA	2	Yes	08:12	No data	E-W	No data	No data	No data	No data	No data	Flew N and landed
Clarisford	20/11/2018	AB SC	Dawn	8	CA	2	Yes	08:13	No data	N	No data	No data	No data	No data	No data	Flew S turning W beside VP
Clarisford	20/11/2018	AB SC	Dawn	8	MA	4	Yes	08:14	No data	S. W	Yes	No data	No data	No data	No data	Flew S, turning W. Looped back N and returned
Clarisford	20/11/2018	AB SC	Dawn	8	MA	1	Yes	08:18	No data	S. W. N. S	Yes	No data	No data	No data	No data	Flew S, turning W before continuing SW
Clarisford	20/11/2018	AB SC	Dawn	8	MA	1	Yes	08:18	No data	S.W.N.W	Yes	No data	No data	No data	No data	Commuted N from where they went loafing
Clarisford	20/11/2018	AB SC	Dawn	8	CA	3	Yes	08:19	No data	N	Yes	No data	No data	No data	No data	Flew N and circled back around
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	TU	100	Yes	09:04	No data	W/E	Yes	No data	No data	No data	No data	Short circling flight
Clarisford	20/11/2018	AB SC	Dawn	8	CA	1	Yes	08:23	No data	N	Yes	No data	No data	No data	No data	Flew N and circled back around
Clarisford	20/11/2018	AB SC	Dawn	8	GN	2	Yes	08:34	No data	N returned	Yes	No data	No data	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Dawn	8	BH	1	Yes	08:38	No data	N	Yes	No data	No data	No data	No data	Foraging around river edge
Clarisford	20/11/2018	AB SC	Dawn	8	MA	2	Yes	08:42	No data	S/SW	Yes	No data	No data	No data	No data	Flew S around corner
Clarisford	20/11/2018	AB SC	Dawn	8	BH	3	Yes	08:52	No data	N	No data	No data	No data	No data	No data	Calling. Flying N along river
Clarisford	20/11/2018	AB SC	Dawn	8	T.	10	Yes	09:00	No data	E	No data	No data	No data	No data	No data	Calling. Short flight around corner
Clarisford	20/11/2018	AB SC	Dawn	8	MS	3	Yes	09:00	No data	SE	No data	No data	No data	No data	No data	Flew from canal towards Parteen edge
Clarisford	20/11/2018	AB SC	Dawn	8	H.	1	Yes	09:17	No data	N-S	No data	No data	No data	No data	No data	Flying N . Returns S after seeing other 2
Clarisford	20/11/2018	AB SC	Dawn	8	BH	3	Yes	09:17	No data	No data	No data	No data	No data	No data	No data	Foraging along edge
Clarisford	20/11/2018	AB SC	Dawn	8	H.	1	Yes	09:18	No data	W	No data	No data	No data	No data	No data	Flew across basin and chased off other h.
Clarisford	20/11/2018	AB SC	Dawn	8	CA	1	Yes	09:24	No data	N	No data	No data	Yes	No data	No data	Flew N along edge and towards VP
Clarisford	20/11/2018	AB SC	Dawn	8	MS	2	No data	09:31	No data	W	Yes	No data	No data	No data	No data	Flew W across basin, around corner
Clarisford	20/11/2018	AB SC	Dawn	8	CA	1	Yes	09:35	No data	N	No data	No data	No data	No data	No data	Flew N along far bank from VP
Clarisford	20/11/2018	AB SC	Dawn	8	CA	1	Yes	09:45	No data	W	No data	No data	No data	No data	No data	Flew W across lake to E
Clarisford	20/11/2018	AB SC	Dawn	8	CA	2	Yes	10:00	No data	N	No data	No data	No data	No data	No data	Flew N up middle of river

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	12	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	24	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MS	13	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Dusk	16.18	TU	85	Yes	14:35	No data	S/N	Yes	No data	No data	No data	No data	Circled S then N again
Clarisford	12/12/2018	KM	Day	No data	LG	22	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival, fog burned off
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	GN	22	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	H.	1	Yes	07:31	No data	W/S	Yes	No data	No data	No data	No data	Commuted across corridor
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	2	Yes	07:38	No data	N/S	Yes	No data	No data	No data	No data	Flying around basin (regularly)
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MA	2	Yes	07:04	No data	N	Yes	No data	No data	No data	No data	Commuted
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	26	Yes	07:46	No data	S	No data	No data	No data	No data	Yes	Commuted S over weir
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	WS	7	Yes	07:55	No data	S/SE	No data	Yes	No data	No data	No data	Flew across basin, turning over WD4
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	18	Yes	07:55	No data	S	No data	Yes	No data	No data	Yes	Commuting S from island
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	3	Yes	08:02	No data	S/N	Yes	No data	No data	No data	No data	Flew S from island, circling back
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	2	Yes	08:03	No data	SW	No data	No data	No data	No data	No data	Commuting SW from island over weir
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MS	1	Yes	08:04	No data	N	No data	No data	No data	No data	No data	Commuting N over weir and along basin
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	2	Yes	08:04	No data	S	No data	No data	No data	No data	No data	Commuting S from island
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	3	Yes	08:04	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	3	Yes	08:15	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	3	Yes	08:17	No data	SW	No data	No data	No data	No data	Yes	Commuting SW from island over weir
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	08:18	No data	S	No data	No data	Yes	No data	Yes	Commuting S over weir
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	2	Yes	08:18	No data	N	No data	No data	No data	No data	No data	Commuted N from loafing
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	2	Yes	08:27	No data	S	No data	No data	No data	No data	No data	Commuted S from island
Clarisford	20/11/2018	AB SC	Dawn	8	TU	75	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MA	6	Yes	08:35	No data	S	No data	No data	No data	No data	No data	Commuting S
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MA	3	Yes	08:35	No data	SW	No data	No data	No data	No data	No data	Commuting SW- branched off from others
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	08:35	No data	S	No data	No data	No data	No data	No data	Commuting S
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	3	Yes	08:35	No data	N	No data	No data	No data	No data	No data	Foraging N along W bank-regular
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MA	2	Yes	08:41	No data	N	Yes	No data	No data	No data	No data	Commuting N. Landed at spit
Ardcloony	13/02/2019	AB	Dawn	7.55	TU	75	Yes	08:04	20	S	Yes	No data	No data	No data	Yes	Short flight S
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	08:47	No data	N	No data	No data	No data	No data	No data	Commuted N over weir
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	08:53	No data	N	No data	No data	No data	No data	No data	Commuted N over weir to island
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	3	Yes	08:57	No data	S	No data	No data	No data	No data	No data	Commuting S over weir
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	1	Yes	09:25	No data	N	No data	No data	Yes	No data	No data	Foraging N
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	09:25	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	09:35	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	1	Yes	09:36	No data	N	No data	No data	No data	No data	No data	Commuting N around corner
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	TU	62	Yes	09:55	No data	S/N	Yes	No data	No data	No data	No data	Flew S circling back N to shore
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	TU	60	Yes	08:27	No data	E	Yes	No data	No data	No data	No data	Short commuting flight
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	2	Yes	09:04	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CU	3	Yes	09:48	No data	N	Yes	No data	No data	No data	No data	Flushed by ESB personnel
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MA	2	Yes	09:48	No data	S	Yes	Yes	No data	No data	No data	Commuting S
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	CA	2	Yes	09:52	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	BH	3	Yes	09:52	No data	N	No data	No data	No data	No data	No data	Commuting N
Clarisford	12/12/2018	KM	Day	No data	TU	60	Yes	13:09	No data	N, turning S	Yes	No data	No data	Yes	No data	No data
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	MS	2	Yes	09:55	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Day	No data	MS	12	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	4	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	TU	60	Yes	13:18	No data	N	Yes	No data	No data	Yes	No data	No data
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	8	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	MS	16	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	GN	2	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	MA	6	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	GG	1	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	21/11/2018	AB SC KM	Day	No data	WN	4	No data	11:02	No data	No data	No data	No data	No data	No data	No data	On arrival

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Ardcloony	21/11/2018	AB SC KM	Day	No data	ET	1	Yes	11:29	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	1	Yes	11:03	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	1	Yes	11:04	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Day	No data	L.	4	Yes	11:04	No data	SW	No data	No data	No data	No data	No data	Commuting SW
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	3	Yes	11:43	No data	N	No data	No data	No data	No data	No data	Commuting to island
Ardcloony	21/11/2018	AB SC KM	Day	No data	MA	1	Yes	11:43	No data	N	Yes	No data	No data	No data	No data	Flew over weir into basin
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	1	Yes	11:44	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Day	No data	LB	1	Yes	11:56	No data	SW	No data	No data	No data	No data	No data	Commuting SW
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	1	Yes	11:56	No data	W	No data	No data	No data	No data	No data	Flew W around bend from island
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	3	Yes	12:00	No data	S	No data	No data	No data	No data	No data	Commuting S
Ardcloony	21/11/2018	AB SC KM	Day	No data	CU	4	No data	12:03	No data	No data	No data	No data	No data	No data	No data	Audible on E shore
Clarisford	12/12/2018	KM	Dawn	No data	TU	56	Yes	09:05	No data	SW	Yes	No data	No data	Yes	No data	No data
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	3	Yes	12:39	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	21/11/2018	AB SC KM	Day	No data	MA	4	Yes	12:45	No data	S/N	Yes	No data	No data	No data	No data	Similar flight line
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	1	Yes	12:49	No data	N	No data	No data	No data	No data	No data	Commuted N
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	6	Yes	12:49	No data	S/N	No data	No data	No data	No data	No data	Commuted S
Ardcloony	21/11/2018	AB SC KM	Day	No data	WS	3	Yes	12:51	No data	S/N	Yes	No data	No data	No data	No data	Flew across basin and landed
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	2	Yes	13:09	No data	E	Yes	No data	No data	No data	No data	Commuting to island
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	1	Yes	13:09	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	13/02/2019	AB	Dawn	7.55	TU	51	Yes	09:02	10	S	Yes	No data	No data	No data	No data	Short flight to others
Ardcloony	21/11/2018	AB SC KM	Day	No data	WS	3	Yes	13:22	No data	S	Yes	No data	No data	No data	No data	Same 3. Flew S, turning W
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	1	Yes	13:37	No data	S/N	Yes	No data	No data	No data	No data	Flew from island and circled back at weir
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	1	Yes	13:37	No data	N	No data	No data	No data	No data	No data	Commuting N
Clarisford	20/11/2018	AB SC	Dawn	8	TU	45	Yes	08:22	No data	N returned	Yes	No data	No data	No data	No data	Commuting N from where they were loafing
Ardcloony	21/11/2018	AB SC KM	Day	No data	RK	1	Yes	13:49	No data	N	Yes	No data	No data	No data	No data	Flew over weir landing beside bank
Ardcloony	21/11/2018	AB SC KM	Day	No data	ET	1	Yes	13:54	No data	E	Yes	No data	No data	No data	No data	Flew across basin
Ardcloony	21/11/2018	AB SC KM	Day	No data	CA	1	Yes	13:54	No data	N	No data	No data	No data	No data	No data	Commuting
Ardcloony	21/11/2018	AB SC KM	Day	No data	BH	1	Yes	13:54	No data	S/N	No data	No data	No data	No data	No data	Commuting
Ardcloony	21/11/2018	AB SC KM	Day	No data	CU	1	Yes	14:15	No data	N/S	No data	No data	No data	No data	No data	Flew N and circled back over weir
Ardcloony	21/11/2018	AB SC KM	Day	No data	CU	1	Yes	15:15	No data	N/E	Yes	No data	No data	No data	No data	Flew N and circled back E to ESB
Ardcloony	09/01/2019	KM	Day	No data	TU	40	No data	10:04	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	TU	31	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Dawn	No data	BH	2	Yes	08:06	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	BH	8	Yes	08:08	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	BH	89	Yes	08:01	No data	No data	No data	No data	No data	Yes	No data	30 MIN PERIOD- 89 records
Clarisford	12/12/2018	KM	Dawn	No data	MA	2	Yes	08:12	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	MH	1	Yes	08:28	No data	No data	No data	No data	No data	Yes	No data	Calling
Clarisford	12/12/2018	KM	Dawn	No data	GG	6	Yes	08:03	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	LG	22	Yes	11:06	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	CO	15	Yes	08:55	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	GN	4	Yes	08:55	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	LG	21	Yes	13:21	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	TU	31	No	11:13	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	BH	168	Yes	09:03	No data	No data	No data	No data	No data	Yes	No data	30 min period. 168 records
Clarisford	12/12/2018	KM	Dawn	No data	MS	6	Yes	09:03	No data	S	Yes	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	BH	1	Yes	09:04	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	LG	21	No	16:44	No data	No data	Yes	No data	No data	No data	No data	Perched. Swam into view
Clarisford	12/12/2018	KM	Dawn	No data	MS	7	Yes	10:00	No data	W	Yes	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	GN	3	Yes	10:01	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	20/11/2018	AB SC	Day	No data	TU	30	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Dawn	No data	BH	2	Yes	10:12	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	20/11/2018	AB SC	Day	No data	LG	18	No data	11:03	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	GG	4	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	20/11/2018	AB SC	Day	No data	TU	28	Yes	13:04	No data	N	Yes	No data	No data	No data	No data	2 groups flew N within basin
Clarisford	12/12/2018	KM	Day	No data	MS	8	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	CA	4	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	12/12/2018	KM	Day	No data	GN	2	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	MA	7	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	MH	1	No	11:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	MS	8	No	11:00	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Dawn	No data	LG	12	Yes	08:41	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	CA	2	Yes	11:11	No data	No data	Yes	No data	No data	No data	No data	No data
Ardcloony	21/11/2018	AB SC KM	Day	No data	TU	26	Yes	13:41	No data	E	Yes	No data	No data	No data	No data	Short flight
Clarisford	12/12/2018	KM	Day	No data	GN	2	Yes	11:21	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	MA	7	Yes	11:33	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	MH	1	Yes	11:47	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	GG	4	Yes	11:56	No data	No data	Yes	No data	No data	No data	No data	No data
Clarisford	20/11/2018	AB SC	Day	No data	TU	25	Yes	14:08	No data	E, circling back W	No data	No data	No data	No data	No data	Flew E circling back W
Clarisford	12/12/2018	KM	Day	No data	CA	1	Yes	12:16	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	CA	1	Yes	12:02	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	5	Yes	12:25	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	01/04/2019	AB	Day	No data	TU	25	Yes	13:02	No data	S	Yes	No data	No data	Yes	No data	25 TU fly S around corner @ 0m
Clarisford	12/12/2018	KM	Day	No data	GN	1	Yes	12:31	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	1	Yes	12:32	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	8	Yes	12:39	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	LG	10	Yes	12:42	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	1	Yes	12:53	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	TU	23	Yes	08:45	No data	S/N	Yes	No data	No data	No data	No data	Flew S and circled back N towards island
Clarisford	12/12/2018	KM	Day	No data	MS	1	Yes	13:03	No data	N	No data	No data	Yes	No data	No data	No data
Ardcloony	21/11/2018	AB SC KM	Day	No data	TU	22	Yes	13:11	No data	S/N	Yes	No data	No data	No data	No data	Flew S, circling back N around corner
Clarisford	12/12/2018	KM	Day	No data	H.	1	Yes	13:12	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	TU	21	Yes	10:48	No data	NE	Yes	No data	Yes	No data	No data	No data
Ardcloony	21/11/2018	AB SC KM	Dawn	No data	LG	8	No data	07:00	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	12/12/2018	KM	Day	No data	BH	1	Yes	13:21	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	CO	1	Yes	13:26	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	1	Yes	13:28	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	MS	4	Yes	13:33	No data	SE	Yes	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	2	Yes	13:33	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	1	Yes	13:35	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	12/12/2018	KM	Day	No data	CA	1	Yes	13:43	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	BH	2	Yes	13:51	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	12/12/2018	AB	Dusk	16.18	MS	6	No data	14:18	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	4	No data	14:18	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	10/01/2019	KM	Dusk	No data	TU	18	No data	14:04	No data	No data	No data	No data	No data	No data	No data	Wading for most of survey
Ardcloony	12/12/2018	AB	Dusk	16.18	L.	15	No data	14:18	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	18	No data	14:18	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Dusk	16.18	MA	3	Yes	14:03	No data	N	Yes	No data	No data	No data	No data	Commuting N
Clarisford	10/01/2019	KM	Day	No data	TU	18	No data	11:34	No data	No data	Yes	No data	No data	Yes	No data	Perched
Clarisford	10/01/2019	KM	Dusk	No data	TU	16	No	15:56	No data	No data	Yes	No data	No data	No data	No data	Perched and calling., new group emerged into view
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	3	Yes	14:45	No data	N	Yes	No data	No data	No data	No data	Commuted N
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	Yes	14:05	No data	N/E	Yes	No data	No data	No data	No data	Commuted N, turning E towards channel
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	Yes	14:05	No data	S/E	Yes	No data	No data	No data	No data	Commuted N, turning E towards channel
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	1	Yes	14:05	No data	N	Yes	Yes	Yes	No data	No data	Commuted N
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	Yes	14:52	No data	N	Yes	No data	No data	No data	No data	Commuted N towards island
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	Yes	15:06	No data	N	Yes	No data	Yes	No data	No data	Commuted N towards island
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	Yes	15:16	No data	N	Yes	No data	No data	No data	No data	Commuted N behind spit
Ardcloony	12/12/2018	AB	Dusk	16.18	L.	27	Yes	15:16	No data	N	Yes	Yes	No data	No data	No data	Commuted N to spit
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	Yes	15:21	No data	N	No data	No data	No data	No data	No data	Commuted N to island
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	4	Yes	15:21	No data	S	No data	No data	No data	No data	No data	Commuted S
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	3	Yes	15:33	No data	N	No data	No data	No data	No data	No data	Commuted N to island
Clarisford	10/01/2019	KM	Dusk	No data	TU	16	Yes	16:11	No data	SSW	Yes	No data	No data	Yes	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Ardcloony	12/12/2018	AB	Dusk	16.18	L.	30	Yes	15:03	No data	N	No data	No data	Yes	No data	No data	Flushed by kayak
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	6	No data	15:03	No data	S	No data	No data	No data	No data	No data	Flushed by kayak. Landed in water before commuting
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	9	No data	15:03	No data	S/N	No data	No data	No data	No data	No data	Flushed by kayak. Commuted S, then turning
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	30	No data	15:03	No data	E/W	No data	No data	No data	No data	No data	Flushed by kayak. Looped around to spit
Ardcloony	12/12/2018	AB	Dusk	16.18	L.	12	No data	15:03	No data	N/S	No data	No data	No data	No data	No data	Flushed by kayak. Looped around to spit
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	1	No data	15:43	No data	S	Yes	Yes	No data	No data	Yes	Commuted S over weir
Clarisford	12/12/2018	KM	Dawn	No data	TU	12	No data	No data	No data	No data	No data	No data	No data	No data	No data	On arrival, very foggy, very limited views, short viewshed
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	2	Yes	15:53	No data	N	No data	No data	No data		No data	Commuted N towards island
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	3	Yes	15:53	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	12/12/2018	AB	Dusk	16.18	CA	2	Yes	16:01	No data	N	No data	No data	No data	No data	No data	Commuted N towards island
Ardcloony	12/12/2018	AB	Dusk	16.18	MS	2	Yes	16:01	No data	N	No data	No data	No data	No data	No data	Commuted N towards island
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	1	Yes	16:33	No data	N	No data	No data	No data	No data	No data	Commuted N towards island
Ardcloony	12/12/2018	AB	Dusk	16.18	BH	1	Yes	16:04	No data	N	No data	No data	Yes	No data	No data	Commuted N towards LD
Ardcloony	12/12/2018	AB	Dusk	16.18	GJ	10	Yes	17:04	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	12/12/2018	AB	Dusk	16.18	GJ	18	Yes	17:09	No data	N	No data	No data	No data	No data	No data	Commuting N
Clarisford	12/12/2018	KM	Dawn	No data	TU	12	Yes	10:03	No data	S	Yes	No data	Yes	No data	No data	No data
Ardcloony	12/12/2018	AB	Day	No data	SP	1	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	CA	2	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	MS	4	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	BH	28	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	L.	42	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	T.	11	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	MA	4	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	WN	19	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	MA	4	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	WN	19	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	GN	3	No data	10:05	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	12/12/2018	AB	Day	No data	BH	2	Yes	10:05	No data	S	Yes	Yes	No data	No data	Yes	Calling. Commuting S over weir
Clarisford	10/01/2019	KM	Dusk	No data	TU	12	Yes	15:27	No data	S, turning N	Yes	No data	No data	Yes	No data	No data
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	10:55	No data	S	Yes	Yes	No data	No data	Yes	Commuted S over weir
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	10:57	No data	E	Yes	No data	No data	No data	No data	Commuted E to island
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	11:12	No data	SW	No data	No data	No data	No data	No data	Commuted SW to island
Ardcloony	12/12/2018	AB	Day	No data	BH	16	Yes	11:16	No data	E/S	Yes	Yes	No data	No data	Yes	Commuted for sand bank, across channel, then S
Ardcloony	12/12/2018	AB	Day	No data	H.	1	Yes	11:26	No data	N	Yes	No data	No data	No data	No data	Flew N from spit
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	11:28	No data	E	Yes	No data	No data	No data	No data	Commuted E to island
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	11:47	No data	N	No data	Yes	Yes	No data	No data	Commuted N
Ardcloony	12/12/2018	AB	Day	No data	MA	1	Yes	11:49	No data	N	No data	Yes	Yes	No data	No data	Commuted N
Ardcloony	12/12/2018	AB	Day	No data	BH	1	Yes	12:13	No data	N	Yes	No data	No data	Yes	No data	Commuted N, turning into spit
Ardcloony	12/12/2018	AB	Day	No data	BH	3	Yes	12:15	No data	N	Yes	No data	No data	Yes	No data	Commuted N, turning into spit
Ardcloony	12/12/2018	AB	Day	No data	ET	1	Yes	12:15	No data	SE	Yes	No data	No data	No data	No data	Commuting SE along edge of river
Ardcloony	12/12/2018	AB	Day	No data	BZ	1	Yes	12:16	No data	N/NE	Yes	No data	No data	No data	No data	Commuting N, turned E towards WD4
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	12:22	No data	N	Yes	No data	No data	No data	No data	Commuted over weir to island
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	12:23	No data	N	Yes	Yes	No data	No data	No data	Commuted N
Ardcloony	12/12/2018	AB	Day	No data	L.	42	Yes	12:29	No data	S	No data	No data	No data	No data	Yes	Flushed by man landing kayak
Ardcloony	12/12/2018	AB	Day	No data	BH	30	Yes	12:29	No data	E/W	Yes	No data	No data	No data	No data	Flushed by man landing kayak
Ardcloony	12/12/2018	AB	Day	No data	T.	11	Yes	12:29	No data	E/W	Yes	No data	No data	No data	No data	Flushed by man landing kayak
Ardcloony	12/12/2018	AB	Day	No data	L.	1	Yes	12:33	No data	N	Yes	No data	No data	No data	No data	Commuted N to spit
Ardcloony	12/12/2018	AB	Day	No data	BH	5	Yes	12:33	No data	N	Yes	No data	No data	No data	No data	Commuted N to spit
Ardcloony	12/12/2018	AB	Day	No data	BH	35	Yes	12:35	No data	N	Yes	Yes	Yes	No data	No data	Flushed by man landing kayak
Ardcloony	13/02/2019	AB	Dawn	7.55	TU	12	Yes	08:18	10	E/NW	Yes	No data	Yes	No data	No data	Short flight around spit
Ardcloony	12/12/2018	AB	Day	No data	L.	41	Yes	12:45	No data	N	No data	No data	No data	No data	No data	Commuting N
Ardcloony	12/12/2018	AB	Day	No data	BH	1	Yes	13:09	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	12/12/2018	AB	Day	No data	BH	2	Yes	13:13	No data	N	No data	No data	No data	Yes	No data	Commuting N to spit
Ardcloony	12/12/2018	AB	Day	No data	L.	12	Yes	13:17	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	12/12/2018	AB	Day	No data	CA	1	Yes	13:17	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	12/12/2018	AB	Day	No data	L.	29	Yes	13:25	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Ardcloony	12/12/2018	AB	Day	No data	BH	19	Yes	13:35	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	12/12/2018	AB	Day	No data	MA	2	Yes	13:04	No data	N	No data	No data	Yes	No data	No data	Commuting N from over weir
Flanagans	13/12/2018	KM	Dusk	No data	BH	27	No data	14:18	No data	No data	No data	No data	No data	No data	No data	On arrival
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	14:02	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	14:21	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	14:23	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	14:24	No data	No data	No data	No data	No data	Yes	No data	Circling then departed to Parteen
Flanagans	13/12/2018	KM	Dusk	No data	BH	9	Yes	14:24	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	14:28	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	3	Yes	14:31	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	14:36	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	14:38	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	14:04	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	14:41	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	14:45	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	MA	3	Yes	14:46	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	14	Yes	14:48	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	14:48	No data	No data	No data	No data	No data	No data	Yes	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	6	Yes	14:05	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	9	Yes	14:51	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	14:53	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	4	Yes	14:57	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	20	Yes	14:59	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	21	Yes	14:59	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	21	Yes	15:01	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	4	Yes	15:03	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	63	Yes	15:09	No data	No data	No data	No data	Yes	No data	No data	From Parteen, circled the bridge, back toward Parteen
Flanagans	13/12/2018	KM	Dusk	No data	CA	1	Yes	15:01	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	CM	1	Yes	15:18	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	3	Yes	15:25	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	15:26	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	15:03	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	15:33	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	9	Yes	15:38	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	15:44	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	5	Yes	15:47	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	MA	1	Yes	15:51	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	9	Yes	15:56	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	4	Yes	15:59	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	4	Yes	16:01	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	15	Yes	16:03	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	16:06	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	5	Yes	16:01	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	1	Yes	16:18	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	7	Yes	16:02	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	8	Yes	16:23	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	3	Yes	16:24	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	2	Yes	16:26	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	6	Yes	16:27	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	4	Yes	16:29	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	6	Yes	16:03	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	9	Yes	16:32	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Dusk	No data	BH	38	Yes	16:38	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	23	No data	10:48	No data	No data	No data	No data	No data	No data	No data	On arrival
Flanagans	13/12/2018	KM	Day	No data	MA	4	No data	10:48	No data	No data	No data	No data	No data	No data	No data	On arrival
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	10:51	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	12	Yes	10:53	No data	No data	No data	No data	No data	Yes	No data	Same birds circling bridge who left and headed to Parteen. 11.33- all birds dispersed to Parteen

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	10:59	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	MA	1	Yes	11:05	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:11	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:13	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	2	Yes	11:15	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:18	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:18	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:18	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	MA	1	Yes	11:18	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:02	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:22	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:23	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:24	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:03	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:31	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:32	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:36	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	9	Yes	11:41	No data	No data	No data	No data	No data	Yes	No data	Birds returned to circle bridge and Anchor Inn
Flanagans	13/12/2018	KM	Day	No data	BH	5	Yes	11:43	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	3	Yes	11:45	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:46	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	3	Yes	11:48	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	9	Yes	11:49	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	4	Yes	11:05	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	3	Yes	11:51	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	11:54	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	3	Yes	11:58	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:01	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:05	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:01	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:12	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:19	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:24	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	4	Yes	12:03	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:31	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	4	Yes	12:37	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	2	Yes	12:46	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	2	Yes	12:05	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	4	Yes	12:55	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:57	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	12:59	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	6	Yes	13:03	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	8	Yes	13:05	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	2	Yes	13:08	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	13:11	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	2	Yes	13:12	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	3	Yes	13:02	No data	No data	No data	No data	Yes	No data	No data	Mobbed by rooks over bread
Flanagans	13/12/2018	KM	Day	No data	BH	2	Yes	13:23	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	3	Yes	13:28	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	13:32	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	13:39	No data	No data	No data	No data	Yes	No data	No data	No data
Flanagans	13/12/2018	KM	Day	No data	BH	1	Yes	13:44	No data	No data	No data	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	100	No data	07:47	No data	No data	No data	No data	No data	No data	No data	On arrival, calling and perching
Flanagans	09/01/2019	SC	Dawn	8.43	BH	10	Yes	07:53	No data	SE	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	1	Yes	08:07	No data	NNW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	30	Yes	08:01	No data	NNW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	5	Yes	08:15	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	32	Yes	08:23	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	7	Yes	08:26	No data	NW	Yes	No data	Yes	No data	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	09/01/2019	SC	Dawn	8.43	MA	2	Yes	08:29	No data	SE	Yes	No data	No data	Yes	No data	Calling
Flanagans	09/01/2019	SC	Dawn	8.43	BH	6	Yes	08:03	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	7	Yes	08:34	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	SH	1	Yes	08:38	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	31	Yes	08:39	No data	NNW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	31	Yes	08:41	No data	NW, then N	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	45	Yes	08:46	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	9	Yes	08:05	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	3	Yes	08:51	No data	W, N then NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	4	Yes	08:53	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	7	Yes	09:06	No data	SW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	10	Yes	09:07	No data	SSW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	2	Yes	09:14	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	1	Yes	09:25	No data	SW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	2	Yes	09:27	No data	SSW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	CA	2	Yes	09:58	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	2	Yes	10:07	No data	SW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	2	Yes	10:08	No data	S	Yes	No data	No data	Yes	No data	Flew S over bridge and landed
Flanagans	09/01/2019	SC	Dawn	8.43	BH	3	Yes	10:13	No data	SW	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	2	Yes	10:15	No data	NNW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	CA	1	Yes	10:15	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	2	Yes	10:21	No data	NWNNW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	BH	1	Yes	10:25	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MA	5	Yes	10:26	No data	NW, then N	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Dawn	8.43	MS	1	Yes	10:29	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	20	No data	11:03	No data	No data	Yes	No data	No data	No data	No data	On arrival -perched on bollards by bridge
Flanagans	09/01/2019	SC	Day	No data	BH	3	Yes	11:31	No data	No data	Yes	No data	No data	No data	No data	Circling bridge
Flanagans	09/01/2019	SC	Day	No data	CA	2	Yes	11:04	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	CA	1	Yes	11:42	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	CA	1	Yes	12:04	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	CA	3	Yes	12:07	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	1	Yes	12:09	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Day	No data	MA	3	Yes	12:11	No data	No data	Yes	No data	No data	No data	No data	Circling below bridge
Flanagans	09/01/2019	SC	Day	No data	CA	1	Yes	12:02	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	5	Yes	12:36	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Day	No data	MA	4	Yes	12:37	No data	N, then turned NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	1	Yes	12:44	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	1	Yes	12:53	No data	NE	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	1	Yes	12:55	No data	SE	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	CA	1	Yes	13:04	No data	NE	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	MA	2	Yes	13:09	No data	No data	Yes	No data	No data	Yes	No data	Landed by VP
Flanagans	09/01/2019	SC	Day	No data	CA	1	Yes	13:01	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	MS	1	Yes	13:25	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	2	Yes	13:35	No data	SE	Yes	No data	No data	Yes	No data	No data
Flanagans	09/01/2019	SC	Day	No data	MA	2	Yes	13:37	No data	S	Yes	No data	No data	No data	No data	Disturbed by pedestrians
Flanagans	09/01/2019	SC	Day	No data	MA	2	Yes	14:00	No data	E	Yes	No data	Yes	No data	No data	Landed on water in front of VP
Flanagans	09/01/2019	SC	Day	No data	MA	2	Yes	14:18	No data	N, then W	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	BH	1	Yes	14:02	No data	NW	Yes	No data	Yes	No data	No data	No data
Flanagans	09/01/2019	SC	Day	No data	GB	1	Yes	14:25	No data	N, then W	Yes	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	MS	8	No data	14:04	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	09/01/2019	KM	Dusk	No data	BH	2	No data	14:04	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	No data	14:04	No data	No data	No data	No data	No data	No data	No data	On arrival
Ardcloony	09/01/2019	KM	Dusk	No data	BH	2	Yes	14:41	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	MS	4	Yes	14:59	No data	N	Yes	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CU	1	No data	15:08	No data	No data	Yes	No data	No data	No data	No data	Calling
Ardcloony	09/01/2019	KM	Dusk	No data	BH	1	Yes	15:01	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	MS	1	Yes	15:18	No data	NE	Yes	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	MS	2	Yes	15:22	No data	SSW	Yes	No data	No data	Yes	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Ardcloony	09/01/2019	KM	Dusk	No data	MA	4	Yes	15:25	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	MA	1	Yes	15:27	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:03	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:31	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:32	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	5	Yes	15:35	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:32	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	8	Yes	15:37	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	SG	60	Yes	15:37	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	4	Yes	15:37	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CU	1	Yes	15:04	No data	No data	Yes	No data	No data	No data	No data	Calling
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:04	No data	No data	No data	No data	Yes	No data	No data	Calling
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:41	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	10	Yes	15:42	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	1	Yes	15:56	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	15:56	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	LB	1	Yes	16:00	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	15	Yes	16:03	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	1	Yes	16:06	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	L.	40	Yes	16:07	No data	No data	No data	No data	Yes	No data	No data	Circling throughout survey
Ardcloony	09/01/2019	KM	Dusk	No data	BH	1	Yes	16:12	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	16:18	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	1	Yes	16:18	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	20	Yes	16:02	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	L.	40	Yes	16:34	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	11	Yes	16:37	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	CA	1	Yes	16:37	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	BH	13	Yes	16:41	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	L.	4	Yes	17:01	No data	No data	No data	No data	No data	No data	No data	No data
Ardcloony	09/01/2019	KM	Dusk	No data	WS	1	No data	17:28	No data	No data	Yes	No data	Yes	No data	No data	Perched
Ardcloony	09/01/2019	KM	Dusk	No data	BH	15	Yes	17:28	No data	No data	No data	Yes	Yes	No data	No data	Perched
Ardcloony	09/01/2019	KM	Dusk	No data	L.	40	Yes	17:03	No data	No data	No data	No data	No data	No data	No data	Last sighting
Clarisford	05/03/2019	SC	Dawn	6.12	TU	12	No data	07:04	No data	No data	No data	No data	No data	No data	No data	Floating on lake
Ardcloony	09/01/2019	KM	Day	No data	MS	1	No data	10:04	No data	No data	No data	No data	No data	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	MA	2	No data	10:04	No data	No data	No data	No data	No data	No data	No data	No data
Ardcloony	13/02/2019	AB	Dawn	7.55	TU	10	Yes	08:09	10	S	Yes	No data	No data	No data	Yes	Joined other flock
Ardcloony	09/01/2019	KM	Day	No data	MS	9	No data	11:03	No data	No data	Yes	No data	No data	No data	No data	Perched
Ardcloony	09/01/2019	KM	Day	No data	MS	6	No data	11:41	No data	No data	Yes	No data	No data	No data	No data	Perched
Ardcloony	09/01/2019	KM	Day	No data	MA	1	Yes	11:52	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	CA	1	Yes	11:57	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	2	Yes	11:59	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	MA	1	Yes	12:00	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	21/11/2018	AB SC KM	Day	No data	TU	9	Yes	12:36	No data	S/N	Yes	No data	No data	No data	No data	Flew S, turning back N
Ardcloony	09/01/2019	KM	Day	No data	GB	1	Yes	12:18	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	1	Yes	12:19	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	MA	1	Yes	12:02	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	H.	1	Yes	12:21	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	3	Yes	12:27	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	1	Yes	12:55	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	1	Yes	12:59	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	1	Yes	13:02	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	GB	3	Yes	13:18	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	H.	1	Yes	13:26	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	BH	4	Yes	13:29	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	09/01/2019	KM	Day	No data	MS	5	Yes	13:36	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	K.	1	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	TU	8	Yes	12:55	No data	SSE	Yes	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	CA	4	No data	14:04	No data	No data	No data	No data	No data	No data	No data	Wading for most of survey
Clarisford	10/01/2019	KM	Dusk	No data	MS	82	No data	14:04	No data	No data	No data	No data	No data	No data	No data	Wading for most of survey
Clarisford	10/01/2019	KM	Dusk	No data	BH	2	No data	14:04	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	2	Yes	14:53	No data	No data	No data	No data	No data	Yes	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	10/01/2019	KM	Dusk	No data	MA	5	Yes	15:06	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	CA	1	Yes	15:13	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	4	Yes	15:16	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	9	Yes	15:17	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	4	Yes	15:18	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	6	Yes	15:21	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	13/02/2019	AB	Dawn	7.55	TU	8	Yes	07:42	12	E/W	Yes	No data	No data	No data	No data	Circled and rejoined flock
Clarisford	10/01/2019	KM	Dusk	No data	BH	5	Yes	15:29	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	MS	4	Yes	15:03	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	10	Yes	15:36	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	CA	1	Yes	15:41	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	5	Yes	15:41	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	TU	8	Yes	08:35	No data	S	No data	No data	No data	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	CA	1	Yes	16:00	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	MS	3	Yes	16:06	No data	No data	No data	No data	No data	Yes	No data	No data
Ardcloony	13/02/2019	AB	Day	7.55	TU	6	Yes	12:41	30	N	Yes	No data	No data	No data	No data	Flew N, circled and landed with other flock
Clarisford	10/01/2019	KM	Dusk	No data	BH	5	Yes	16:19	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	SN	2	Yes	16:21	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	CA	2	Yes	16:03	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	70	Yes	16:33	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	L.	16	Yes	16:39	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	27	Yes	16:42	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	GG	9	No	16:44	No data	No data	Yes	No data	No data	No data	No data	Perched. Swam into view
Clarisford	12/12/2018	KM	Dawn	No data	LG	1	Yes	08:57	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	37	Yes	16:49	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	BH	55	Yes	16:49	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Dusk	No data	MS	12	No	16:55	No data	No data	Yes	No data	No data	No data	No data	Perched. Moved into reeds
Clarisford	10/01/2019	KM	Day	No data	CA	8	No data	10:04	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	10/01/2019	KM	Day	No data	MS	1	No data	10:04	No data	No data	No data	No data	No data	No data	No data	On arrival
Clarisford	10/01/2019	KM	Day	No data	CA	1	Yes	10:45	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	1	Yes	10:58	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	1	Yes	11:07	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Day	No data	CA	1	Yes	11:11	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	1	Yes	11:24	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Day	No data	MA	4	Yes	11:29	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	1	Yes	11:32	No data	No data	No data	No data	Yes	No data	No data	No data
Ardcloony	11/03/2019	AB	Day	No data	TU	6	Yes	13:49	No data	SE	Yes	No data	No data	No data	No data	Short flight from behind spit to others
Ardcloony	11/03/2019	AB	Dusk	18.3	TU	6	Yes	17:39	No data	S/N	Yes	No data	No data	No data	No data	Circling flight back to others
Clarisford	10/01/2019	KM	Day	No data	MA	4	Yes	11:41	No data	No data	No data	No data	Yes	No data	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	6	Yes	11:56	No data	No data	Yes	No data	No data	No data	No data	Circling conifer woodland
Clarisford	10/01/2019	KM	Day	No data	BH	1	Yes	12:01	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Day	No data	MA	2	Yes	12:02	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	10/01/2019	KM	Day	No data	MS	5	No data	12:05	No data	No data	Yes	No data	No data	No data	No data	Perched
Clarisford	10/01/2019	KM	Day	No data	BH	2	Yes	12:11	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	35	No data	12:02	No data	No data	Yes	No data	No data	Yes	No data	Perched, Flew over to bank to loaf.
Clarisford	10/01/2019	KM	Day	No data	CU	1	No data	12:03	No data	No data	Yes	No data	No data	No data	No data	Calling
Clarisford	10/01/2019	KM	Day	No data	CA	3	Yes	12:36	No data	No data	No data	No data	No data	Yes	No data	From perches to basin
Clarisford	10/01/2019	KM	Day	No data	LB	1	Yes	12:51	No data	No data	No data	No data	No data	Yes	No data	No data
Clarisford	10/01/2019	KM	Day	No data	CU	1	No data	12:58	No data	No data	Yes	No data	No data	Yes	No data	Calling. Same bird?
Clarisford	10/01/2019	KM	Day	No data	H.	1	Yes	13:05	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	10/01/2019	KM	Day	No data	BH	3	Yes	13:08	No data	No data	No data	No data	No data	No data	No data	From bank to conifers
Clarisford	10/01/2019	KM	Day	No data	BH	6	Yes	13:22	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/02/2019	SC	Day	No data	MS	1	No	10:05	No data	NE	No data	No data	Yes	No data	No data	Foraging on lake
Clarisford	05/02/2019	SC	Day	No data	BH	2	Yes	11:00	No data	No data	No data	Yes	No data	No data	No data	Flew N, circled and landed to W of VP
Clarisford	05/02/2019	SC	Day	No data	MA	2	Yes	11:06	No data	No data	No data	No data	No data	No data	No data	Flew N
Clarisford	05/02/2019	SC	Day	No data	BH	2	Yes	11:01	No data	No data	No data	No data	Yes	No data	No data	Flew N, circled and landed to W of VP
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	11:11	No data	SW	No data	No data	No data	No data	Yes	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	11:24	No data	NE	No data	No data	Yes	No data	No data	Curved into bay by VP and then N
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	11:04	No data	SW	No data	No data	No data	No data	Yes	No data
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	11:46	No data	NE	No data	No data	Yes	No data	No data	Curved into bay by VP and then N
Clarisford	05/02/2019	SC	Day	No data	MA	1	Yes	12:05	No data	NE	No data	No data	Yes	No data	No data	From W to VP
Clarisford	05/02/2019	SC	Day	No data	BH	4	Yes	12:14	No data	W	No data	No data	No data	No data	No data	Across lake
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	12:22	No data	SW	No data	No data	No data	No data	Yes	No data
Clarisford	05/02/2019	SC	Day	No data	BH	3	Yes	12:33	No data	E	No data	No data	No data	No data	No data	Across the lake and then N
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	12:39	No data	E	No data	No data	No data	No data	No data	Across the lake and then N
Clarisford	05/02/2019	SC	Day	No data	MA	1	Yes	12:41	No data	W	No data	No data	No data	No data	No data	Flew W across VP and landed just beyond
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	12:43	No data	N	No data	No data	Yes	No data	No data	Across the lake and then N
Clarisford	05/02/2019	SC	Day	No data	BH	5	Yes	12:47	No data	N	No data	No data	Yes	No data	No data	Circling flight N
Clarisford	05/02/2019	SC	Day	No data	CA	1	Yes	12:05	No data	E	No data	No data	No data	No data	No data	Flew E and landed on water
Clarisford	05/02/2019	SC	Day	No data	BH	2	Yes	12:58	No data	S	No data	No data	No data	No data	Yes	Flew S and landed on water
Clarisford	05/02/2019	SC	Day	No data	ET	1	Yes	13:08	No data	N	No data	No data	Yes	No data	No data	No data
Clarisford	05/02/2019	SC	Day	No data	MS	2	No data	13:01	No data	E	No data	No data	No data	No data	No data	Foraging across lake
Clarisford	05/02/2019	SC	Day	No data	BH	1	Yes	13:02	No data	NE	No data	No data	Yes	No data	No data	Flew N
Clarisford	05/02/2019	SC	Day	No data	KF	1	Yes	13:26	No data	W	No data	No data	No data	No data	No data	Across VP
Clarisford	05/02/2019	SC	Day	No data	BH	2	Yes	13:03	No data	N	No data	No data	Yes	No data	No data	Circling flight N
Clarisford	05/02/2019	SC	Day	No data	KF	2	Yes	13:32	No data	No data	No data	No data	No data	No data	No data	Return flight E
Clarisford	05/02/2019	SC	Day	No data	KF	1	Yes	13:37	No data	No data	No data	No data	No data	No data	No data	Across VP
Clarisford	05/02/2019	SC	Dusk	17.33	MS	1	No data	15:03	No data	No data	No data	No data	No data	No data	No data	Foraging on lake
Clarisford	05/02/2019	SC	Dusk	17.33	CA	1	No data	15:03	No data	No data	No data	No data	No data	No data	No data	On rock
Clarisford	05/02/2019	SC	Dusk	17.33	KF	1	Yes	15:45	No data	No data	No data	No data	No data	No data	No data	Across VP W
Clarisford	05/02/2019	SC	Dusk	17.33	CA	1	Yes	15:46	No data	N	No data	No data	Yes	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	MA	1	Yes	15:47	No data	NW	No data	No data	No data	No data	No data	Flew across VP and landed in vegetation
Clarisford	05/02/2019	SC	Dusk	17.33	KF	1	Yes	15:53	No data	W	No data	No data	No data	No data	No data	Returning across VP
Clarisford	05/02/2019	SC	Dusk	17.33	BH	2	Yes	15:05	No data	SW	No data	No data	No data	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	BH	1	Yes	16:07	No data	N	No data	No data	Yes	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	MH	1	No data	16:13	No data	No data	No data	No data	No data	No data	No data	From vegetation to W
Clarisford	05/02/2019	SC	Dusk	17.33	BH	2	Yes	16:15	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	KF	1	Yes	16:23	No data	No data	No data	No data	No data	No data	No data	Across VP W
Clarisford	05/02/2019	SC	Dusk	17.33	LG	1	No data	16:24	No data	No data	No data	No data	No data	No data	No data	Amongst vegetation, floating to W of VP
Clarisford	05/02/2019	SC	Dusk	17.33	LG	1	Yes	16:27	No data	E	No data	No data	No data	No data	No data	Across in front of VP and landed
Clarisford	05/02/2019	SC	Dusk	17.33	CA	1	Yes	16:32	No data	No data	No data	No data	No data	No data	No data	Same CA from 15.30. Took off from rock and flew SW OOV
Clarisford	05/02/2019	SC	Dusk	17.33	MA	2	Yes	16:36	No data	No data	No data	No data	No data	No data	No data	Across front of VP and N
Clarisford	05/02/2019	SC	Dusk	17.33	MA	2	Yes	16:45	No data	No data	No data	No data	No data	No data	No data	Circling Lake
Clarisford	05/02/2019	SC	Dusk	17.33	KF	1	Yes	16:46	No data	No data	No data	No data	No data	No data	No data	Across VP W
Clarisford	20/11/2018	AB SC	Day	No data	TU	4	Yes	12:45	No data	N	Yes	No data	No data	No data	No data	Flew around corner and landed
Clarisford	05/02/2019	SC	Dusk	17.33	WS	10	Yes	16:05	No data	NW	No data	No data	No data	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	BH	50	Yes	17:02	No data	NW	No data	No data	No data	No data	No data	Circling then went N
Clarisford	05/02/2019	SC	Dusk	17.33	BH	30	Yes	17:05	No data	NW	No data	No data	No data	No data	No data	Circling then went N
Clarisford	05/02/2019	SC	Dusk	17.33	MA	1	Yes	17:07	No data	NE	No data	No data	No data	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	BH	8	Yes	17:19	No data	N	No data	No data	No data	No data	No data	Circling then went N
Clarisford	05/02/2019	SC	Dusk	17.33	MS	6	Yes	17:22	No data	SW	No data	No data	No data	No data	No data	Circled round lake and landed at the start
Clarisford	05/02/2019	SC	Dusk	17.33	BH	40	Yes	17:29	No data	N	No data	No data	No data	No data	No data	Circling then went N
Clarisford	05/02/2019	SC	Dusk	17.33	BH	30	Yes	17:31	No data	N	No data	No data	No data	No data	No data	Circling then went N
Clarisford	05/02/2019	SC	Dusk	17.33	BH	12	Yes	17:04	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/02/2019	SC	Dusk	17.33	MA	2	Yes	17:46	No data	W	No data	No data	No data	No data	No data	From behind VP flew W across lake
Flanagans	06/02/2019	SC	Dawn	8.11	BH	55	Yes	07:03	No data	No data	No data	No data	No data	No data	No data	On arrival- circling round bridge and landing
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	No data	07:03	No data	No data	No data	No data	No data	No data	No data	Floating on water
Flanagans	06/02/2019	SC	Dawn	8.11	BH	5	Yes	07:45	No data	S	No data	No data	No data	Yes	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	55	Yes	07:52	No data	S	No data	No data	No data	Yes	No data	Flew down to bridge

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	06/02/2019	SC	Dawn	8.11	BH	11	Yes	07:55	No data	S	No data	No data	No data	Yes	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	10	Yes	07:56	No data	S	No data	No data	No data	Yes	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	MA	4	Yes	08:00	No data	S	No data	No data	No data	Yes	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	40	Yes	08:02	No data	No data	No data	No data	No data	Yes	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	30	Yes	08:04	No data	No data	No data	No data	No data	Yes	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	150	Yes	08:01	No data	N + S	No data	No data	Yes	No data	No data	Heavy rain shower, within space for 10mins, all dispersed. 70 N and 70 S
Flanagans	06/02/2019	SC	Dawn	8.11	MA	5	Yes	08:15	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	08:19	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	08:24	No data	S	No data	No data	No data	Yes	No data	Flew S over bridge and landed
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	08:25	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	08:29	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	08:34	No data	N	No data	No data	Yes	No data	No data	Took off from water upstream and landed
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	08:37	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	08:45	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	08:49	No data	S	No data	No data	No data	No data	No data	Over bridge and landed. Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	1	Yes	09:00	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	09:06	No data	S	No data	No data	No data	No data	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	09:25	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	CA	1	Yes	09:04	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	09:44	No data	S	No data	No data	No data	No data	No data	Landed other side of the bridge
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	09:47	No data	N	No data	No data	Yes	No data	No data	Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	BH	2	Yes	09:53	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	10:02	No data	S	No data	No data	No data	Yes	No data	Up from other side of bridge and circled before heading S
Flanagans	06/02/2019	SC	Dawn	8.11	MA	1	Yes	10:01	No data	N	No data	No data	Yes	No data	No data	Up from other side of bridge and over bridge heading W
Flanagans	06/02/2019	SC	Dawn	8.11	MA	1	Yes	10:16	No data	S	No data	No data	No data	No data	No data	over bridge and landed. Flew down to bridge
Flanagans	06/02/2019	SC	Dawn	8.11	MA	2	Yes	10:21	No data	S	No data	No data	No data	No data	No data	over bridge and landed. Flew down to bridge
Flanagans	06/02/2019	SC	Day	No data	CA	1	Yes	11:36	No data	S	No data	No data	No data	No data	No data	Flew in from N and landed
Flanagans	06/02/2019	SC	Day	No data	MA	4	Yes	11:46	No data	N	No data	No data	No data	No data	No data	Over bridge and landed by boat yard
Flanagans	06/02/2019	SC	Day	No data	CA	2	Yes	11:05	No data	No data	No data	No data	Yes	No data	No data	Took off from water and then N
Flanagans	06/02/2019	SC	Day	No data	BH	2	Yes	12:01	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	12:14	No data	No data	No data	No data	No data	No data	No data	BH mobbed by HC
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	12:02	No data	No data	No data	No data	No data	No data	No data	BH mobbed by HC
Flanagans	06/02/2019	SC	Day	No data	MA	3	Yes	12:28	No data	N	No data	No data	Yes	No data	No data	Circled bridge twice and then headed N
Flanagans	06/02/2019	SC	Day	No data	MA	6	Yes	12:31	No data	S	No data	No data	No data	Yes	No data	Over bridge curved over church and landed in front of VP. 5 male, 1 Female
Flanagans	06/02/2019	SC	Day	No data	BH	2	Yes	12:04	No data	S	No data	No data	No data	No data	No data	No data
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	12:58	No data	S	No data	No data	No data	No data	No data	Over bridge and landed
Flanagans	06/02/2019	SC	Day	No data	MA	6	Yes	13:04	No data	No data	No data	No data	No data	No data	No data	Same 6 as 12.31, flew across lake
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	13:12	No data	S	No data	No data	No data	No data	No data	Over bridge and landed
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	13:13	No data	N	No data	No data	No data	No data	No data	Over bridge and landed by boat yard
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	13:23	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	06/02/2019	SC	Day	No data	BH	5	Yes	13:25	No data	N	No data	No data	No data	No data	No data	No data
Flanagans	06/02/2019	SC	Day	No data	BH	3	Yes	13:26	No data	S	No data	No data	No data	No data	No data	over bridge and landed
Flanagans	06/02/2019	SC	Day	No data	CA	1	Yes	13:03	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	13:46	No data	S	No data	No data	No data	No data	No data	Over bridge and landed
Flanagans	06/02/2019	SC	Day	No data	BH	2	Yes	13:52	No data	S	No data	No data	No data	No data	No data	Over bridge and landed
Flanagans	06/02/2019	SC	Day	No data	BH	3	Yes	13:59	No data	S	No data	No data	No data	No data	No data	Over bridge and landed
Flanagans	06/02/2019	SC	Day	No data	BH	1	Yes	14:15	No data	S	No data	No data	No data	No data	No data	Over bridge and landed
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:08	No data	NE	No data	No data	Yes	No data	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:01	No data	SW	No data	No data	No data	Yes	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	20	Yes	16:11	No data	NE	No data	No data	Yes	No data	No data	Circling flight over VP
Clarisford	06/02/2019	SC	Day	No data	LG	1	No data	16:14	No data	No data	No data	No data	No data	No data	No data	Floating on water
Clarisford	06/02/2019	SC	Day	No data	CA	1	No data	16:15	No data	No data	No data	No data	No data	No data	No data	Foraging on water
Clarisford	06/02/2019	SC	Day	No data	MA	1	Yes	16:18	No data	NE	No data	No data	Yes	No data	No data	Flew across VP and then N
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:25	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:25	No data	NE	No data	No data	Yes	No data	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	3	Yes	16:26	No data	NE	No data	No data	Yes	No data	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:26	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	6	Yes	16:29	No data	NE	No data	No data	Yes	No data	No data	Circling flight over VP
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:29	No data	NE	No data	No data	Yes	No data	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	3	Yes	16:34	No data	NE	No data	No data	No data	No data	No data	No data
Clarisford	06/02/2019	SC	Day	No data	BH	1	Yes	16:35	No data	NE	No data	No data	No data	No data	No data	Circling flight over VP
Ardcloony	13/02/2019	AB	Day	7.55	BH	16	Yes	10:52	70	S	No data	No data	No data	No data	Yes	Commuting S along ESB bank and over weir
Ardcloony	13/02/2019	AB	Day	7.55	L.	33	Yes	11:07	60	E/W	Yes	No data	No data	No data	No data	Alighted and flew E returning again
Ardcloony	13/02/2019	AB	Day	7.55	L.	11	Yes	11:16	25	N	Yes	No data	No data	No data	No data	Flew N over weir, landed with others
Ardcloony	13/02/2019	AB	Day	7.55	CA	1	Yes	11:21	40	S	No data	No data	No data	No data	Yes	commuted S over weir from island
Ardcloony	13/02/2019	AB	Day	7.55	BZ	1	Yes	11:27	15	W	No data	Yes	No data	No data	No data	Calling and hunting to W of VP
Ardcloony	13/02/2019	AB	Day	7.55	LB	1	Yes	11:34	90	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	13/02/2019	AB	Day	7.55	MA	2	Yes	11:43	20	N	Yes	No data	Yes	No data	No data	Commuted N over weir, landed in corner
Ardcloony	13/02/2019	AB	Day	7.55	BH	3	Yes	11:47	50	S	No data	No data	No data	No data	Yes	Commuting S down center
Ardcloony	13/02/2019	AB	Day	7.55	BH	21	Yes	11:57	10	S	Yes	No data	No data	No data	No data	Flew S and landed on spit
Ardcloony	13/02/2019	AB	Day	7.55	L.	42	Yes	11:57	40	E/W	Yes	No data	No data	No data	No data	Flushed by BH. Flew back again
Ardcloony	13/02/2019	AB	Day	7.55	MA	1	Yes	12:07	25	S	No data	No data	No data	No data	Yes	Commuted over weir
Clarisford	20/11/2018	AB SC	Day	No data	TU	4	Yes	13:25	No data	N-S	No data	No data	No data	No data	No data	Flew N turning back S
Ardcloony	13/02/2019	AB	Day	7.55	ET	1	Yes	12:52	10	E/W	Yes	No data	No data	No data	No data	Flies out behind spit and back again
Ardcloony	13/02/2019	AB	Day	7.55	BH	4	Yes	13:09	50	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	13/02/2019	AB	Day	7.55	L.	42	Yes	13:15	150	E/W	Yes	No data	No data	No data	No data	Aligned circling flight and landed back
Ardcloony	13/02/2019	AB	Day	7.55	BH	4	Yes	13:24	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	13/02/2019	AB	Dawn	7.55	MA	2	Yes	07:21	50	S/SW	No data	Yes	No data	No data	Yes	Commuted S turning SW
Ardcloony	13/02/2019	AB	Dawn	7.55	L.	17	Yes	07:21	120	E/W	Yes	No data	No data	No data	No data	Alighted from bank, flew back and forth and landed
Ardcloony	13/02/2019	AB	Dawn	7.55	WS	12	Yes	07:39	40	E/W	No data	Yes	No data	No data	No data	Flew E across basin landing E
Clarisford	20/11/2018	AB SC	Day	No data	TU	4	Yes	13:04	No data	E	Yes	No data	No data	No data	No data	Circled E
Ardcloony	13/02/2019	AB	Dawn	7.55	MA	1	Yes	07:53	25	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	13/02/2019	AB	Dawn	7.55	BH	41	Yes	08:01	200	S	No data	No data	No data	No data	Yes	Commuting S along ESB and over weir
Clarisford	10/01/2019	KM	Day	No data	TU	4	Yes	11:38	No data	SSW	Yes	No data	Yes	No data	No data	No data
Ardcloony	11/03/2019	AB	Day	No data	TU	4	Yes	14:37	No data	S/N	Yes	No data	No data	No data	No data	Flew in a circle landing with flock
Ardcloony	13/02/2019	AB	Dawn	7.55	CA	4	Yes	08:12	No data	S	No data	No data	No data	No data	Yes	Commuting S over weir
Ardcloony	11/03/2019	AB	Dusk	18.3	TU	4	Yes	17:13	No data	W/E	Yes	No data	No data	No data	No data	circled around
Ardcloony	13/02/2019	AB	Dawn	7.55	GJ	3	Yes	08:32	15	S	No data	No data	No data	No data	Yes	Flew over weir from ESB lands
Ardcloony	13/02/2019	AB	Dawn	7.55	BH	2	Yes	08:57	50	S	No data	No data	No data	No data	Yes	Commuting S along E bank
Clarisford	20/11/2018	AB SC	Day	No data	TU	2	Yes	13:49	No data	E	Yes	No data	No data	No data	No data	Commuting E across basin
Ardcloony	13/02/2019	AB	Dawn	7.55	MA	1	Yes	09:13	25	S	No data	No data	No data	No data	Yes	Commuting south
Ardcloony	13/02/2019	AB	Dawn	7.55	MA	2	Yes	09:13	3	S	No data	No data	No data	No data	Yes	Commuting south
Ardcloony	13/02/2019	AB	Dawn	7.55	L.	28	Yes	09:33	120	E	Yes	No data	No data	No data	No data	Commuting E
Ardcloony	13/02/2019	AB	Dawn	7.55	MA	3	Yes	09:35	25	S	No data	Yes	No data	No data	Yes	Commuting SW over weir
Ardcloony	13/02/2019	AB	Dawn	7.55	H.	1	Yes	09:46	40	E	No data	Yes	No data	No data	No data	Commuting E over surface
Ardcloony	13/02/2019	AB	Dawn	7.55	BH	16	Yes	09:54	20	S	No data	No data	No data	No data	Yes	Flying over weir
Flanagans	04/03/2019	SC	Dusk	18.18	BH	1	Yes	16:02	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	04/03/2019	SC	Dusk	18.18	BH	1	Yes	16:07	No data	S	No data	No data	No data	Yes	No data	Flew over bridge and landed
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	16:08	No data	S	No data	No data	No data	Yes	No data	Flew over bridge and landed
Flanagans	04/03/2019	SC	Dusk	18.18	BH	35	Yes	16:14	No data	N	No data	No data	Yes	No data	No data	Commuting N

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	04/03/2019	SC	Dusk	18.18	BH	7	Yes	16:15	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	17	Yes	16:34	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	MA	2	Yes	16:35	No data	S	No data	No data	No data	Yes	No data	Flew over bridge and landed
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	16:44	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	6	Yes	16:46	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	50	Yes	16:48	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	1	Yes	16:05	No data	S	No data	No data	No data	Yes	No data	Flew over bridge and landed
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	16:51	No data	N	No data	No data	Yes	No data	No data	From bridge N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	17:00	No data	N	No data	No data	Yes	No data	No data	From bridge N
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:00	No data	S	No data	No data	No data	No data	No data	Over bridge and turned S
Flanagans	04/03/2019	SC	Dusk	18.18	BH	3	Yes	17:01	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	40	Yes	17:03	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:04	No data	N	No data	No data	Yes	No data	No data	Flew over bridge and landed
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:04	No data	S/N	No data	No data	No data	Yes	No data	Flew S, circled below bridge and flew N past VP and to LD
Flanagans	04/03/2019	SC	Dusk	18.18	BH	17	Yes	17:07	No data	N	No data	No data	No data	Yes	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	17:01	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	LB	2	Yes	17:15	No data	N	No data	No data	Yes	No data	No data	1 flew N, other perched in front of VP. Mobbed by BH
Flanagans	04/03/2019	SC	Dusk	18.18	BH	15	Yes	17:16	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	CA	3	Yes	17:17	No data	S	No data	No data	Yes	No data	No data	No data
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:29	No data	S	No data	No data	No data	Yes	No data	Over bridge and turned S
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:29	No data	N	No data	No data	No data	Yes	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	23	Yes	17:03	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:03	No data	S	No data	No data	Yes	No data	No data	Over bridge and turned S
Flanagans	04/03/2019	SC	Dusk	18.18	BH	9	Yes	17:32	No data	N	No data	No data	No data	Yes	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	1	Yes	17:36	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	50	Yes	17:38	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	17	Yes	17:04	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	50	Yes	17:38	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	17	Yes	17:04	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	CA	1	Yes	17:43	No data	S	No data	No data	Yes	No data	No data	Over bridge and turned S
Flanagans	04/03/2019	SC	Dusk	18.18	BH	6	Yes	17:44	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	70	Yes	17:45	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	3	Yes	17:48	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	4	Yes	17:05	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	3	Yes	17:51	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	18	Yes	17:52	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	22	Yes	17:53	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	4	Yes	17:54	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	17:56	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	17	Yes	17:57	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	24	Yes	18:03	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	1	Yes	18:05	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	2	Yes	18:06	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	4	Yes	18:08	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Dusk	18.18	BH	1	Yes	18:12	No data	N	No data	No data	Yes	No data	No data	Commuting N
Flanagans	04/03/2019	SC	Day	No data	BH	3	Yes	11:03	No data	N	Yes	No data	Yes	No data	No data	No data
Flanagans	04/03/2019	SC	Day	No data	BH	3	Yes	11:09	No data	N	No data	No data	Yes	No data	No data	No data
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	11:01	No data	WNW	Yes	No data	No data	No data	No data	Floating downstream, came around boat in front of VP - spooked by SC and flew NW across river and landed
Flanagans	04/03/2019	SC	Day	No data	CA	1	No data	11:14	No data	No data	No data	No data	No data	No data	No data	Flew from S and landed on buoys by bridge
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	11:15	No data	N	No data	No data	No data	No data	No data	From S to bridge
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	11:16	No data	N	No data	No data	No data	No data	No data	From S of bridge
Flanagans	04/03/2019	SC	Day	No data	MA	1	Yes	11:23	No data	S	No data	No data	Yes	No data	No data	Flew S over bridge and landed
Flanagans	04/03/2019	SC	Day	No data	MA	1	Yes	11:24	No data	S	No data	No data	Yes	No data	No data	Flew S OOV
Flanagans	04/03/2019	SC	Day	No data	MA	1	Yes	11:26	No data	No data	No data	No data	No data	Yes	No data	Floating on water D of bridge
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	11:32	No data	S	No data	No data	No data	Yes	No data	No data
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	11:38	No data	N	No data	No data	No data	No data	No data	From S of bridge
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	12:01	No data	N	No data	No data	No data	No data	No data	Flew N from downstream and landed

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	04/03/2019	SC	Day	No data	BH	1	Yes	12:12	No data	N	No data	No data	Yes	No data	No data	From S of bridge
Flanagans	04/03/2019	SC	Day	No data	MA	2	Yes	12:15	No data	No data	No data	No data	No data	No data	No data	Floating on river S of bridge
Flanagans	04/03/2019	SC	Day	No data	BH	7	Yes	12:29	No data	S	No data	No data	Yes	No data	No data	Flew S and circled round bridge, flew south of bridge and landed
Flanagans	04/03/2019	SC	Day	No data	MA	2	Yes	12:34	No data	N	No data	No data	No data	No data	No data	Flew N from bridge and landed in front of VP
Flanagans	04/03/2019	SC	Day	No data	BH	1	Yes	12:43	No data	N	No data	No data	No data	No data	No data	No data
Flanagans	04/03/2019	SC	Day	No data	BH	4	Yes	13:02	No data	S	No data	No data	No data	No data	No data	Over bridge and landed. 1 flew S OOV
Flanagans	04/03/2019	SC	Day	No data	CA	1	Yes	13:05	No data	S	No data	No data	No data	No data	No data	Over bridge and landed. Flew south of bridge and landed
Flanagans	04/03/2019	SC	Day	No data	MA	3	Yes	13:02	No data	No data	No data	No data	No data	No data	No data	From S of bridge
Clarisford	05/03/2019	SC	Dawn	6.12	CA	1	Yes	06:45	No data	N	No data	No data	Yes	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	MA	2	Yes	06:53	No data	W	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	WS	18	Yes	06:55	No data	SE	No data	No data	No data	No data	Yes	Took off from lake and flew SE over dam
Clarisford	05/03/2019	SC	Dawn	6.12	BH	4	Yes	06:56	No data	N	No data	No data	Yes	No data	No data	Circling over lake
Clarisford	05/03/2019	SC	Dawn	6.12	BH	2	Yes	06:57	No data	N	No data	No data	Yes	No data	No data	Circling over lake
Clarisford	05/03/2019	SC	Dawn	6.12	BH	2	Yes	06:58	No data	S	No data	No data	No data	Yes	No data	Circling over lake
Clarisford	05/03/2019	SC	Dawn	6.12	BH	25	Yes	07:02	No data	S	No data	No data	No data	Yes	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	34	Yes	07:05	No data	S	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	36	Yes	07:06	No data	S	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	2	Yes	07:08	No data	N	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	3	Yes	07:09	No data	N	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	211	Yes	07:01	No data	S	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	5	Yes	07:11	No data	S	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	36	Yes	07:15	No data	S	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	BH	54	Yes	07:16	No data	S	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Dawn	6.12	GG	1	No data	07:18	No data	No data	No data	No data	No data	No data	No data	Floating among reeds to SW of VP
Clarisford	05/03/2019	SC	Dawn	6.12	MA	1	Yes	07:29	No data	E	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	KF	1	Yes	07:38	No data	E	No data	No data	No data	No data	No data	No data
Clarisford	12/12/2018	KM	Day	No data	TU	2	Yes	12:09	No data	N	Yes	No data	Yes	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	GG	1	No data	07:04	No data	No data	No data	No data	No data	No data	No data	Floating on lake
Clarisford	05/03/2019	SC	Dawn	6.12	BH	1	Yes	07:42	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	CA	1	Yes	07:48	No data	No data	No data	No data	No data	No data	No data	Fishing
Clarisford	05/03/2019	SC	Dawn	6.12	BH	4	Yes	07:05	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	BH	24	Yes	07:52	No data	S	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	MA	1	Yes	07:55	No data	W	No data	No data	No data	No data	No data	Took off from lake and flew SE over dam
Clarisford	05/03/2019	SC	Dawn	6.12	BH	1	Yes	07:58	No data	S	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	GJ	2	Yes	07:00	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	MA	2	Yes	08:05	No data	E	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	BG	2	No data	08:01	No data	No data	No data	No data	No data	No data	No data	Altercation between 2 GG. 1 flew off E. - 100 yards
Clarisford	05/03/2019	SC	Dawn	6.12	BH	1	Yes	08:11	No data	N	No data	No data	No data	No data	No data	Circling over lake
Clarisford	05/03/2019	SC	Dawn	6.12	BG	3	Yes	08:26	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	GN	1	No data	08:34	No data	No data	No data	No data	No data	No data	No data	Fishing
Clarisford	12/12/2018	KM	Day	No data	TU	2	Yes	12:27	No data	N, turning S	Yes	No data	No data	Yes	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	H.	1	Yes	08:04	No data	NW	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	MH	1	Yes	08:04	No data	W	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	BH	200	Yes	08:05	No data	No data	No data	No data	No data	No data	No data	Large flock circling, then dispersed
Clarisford	05/03/2019	SC	Dawn	6.12	BH	1	Yes	08:56	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	MA	1	Yes	09:03	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	BH	1	Yes	09:05	No data	S	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Dawn	6.12	LG	1	Yes	09:16	No data	No data	No data	No data	No data	No data	No data	Flew S and landed on lake
Clarisford	05/03/2019	SC	Dawn	6.12	MS	1	No data	09:02	No data	No data	No data	No data	No data	No data	No data	Floating on water
Clarisford	05/03/2019	SC	Dawn	6.12	WS	4	Yes	09:03	No data	No data	No data	No data	No data	No data	No data	Flew over lake, circled and landed
Clarisford	05/03/2019	SC	Day	No data	GG	1	No data	11:02	No data	No data	No data	No data	No data	No data	No data	Floating on water on arrival
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	11:22	No data	W	No data	No data	No data	No data	No data	Commuting

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:19	No data	SW	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	MS	1	Yes	11:02	No data	SW	No data	No data	No data	No data	No data	Landed to SW of VP
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:24	No data	SE	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:03	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:31	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	11:31	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:33	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:04	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	11:41	No data	SW	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	KF	1	Yes	11:43	No data	SW	No data	No data	No data	No data	No data	Flew W and landed in reeds
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	11:45	No data	No data	No data	No data	No data	No data	No data	Circled from W to E and back W
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:46	No data	SW	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	11:52	No data	SW	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	11:54	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	11:55	No data	SW	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	11:56	No data	NE	No data	No data	No data	No data	No data	Circling and foraging
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	11:58	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	3	Yes	12:02	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	12:04	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:06	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:08	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:01	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:11	No data	NE	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:15	No data	SW	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:15	No data	W	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:16	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:02	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:16	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:02	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	12:23	No data	SW	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	12:03	No data	No data	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:34	No data	SW	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	12:04	No data	SW	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:41	No data	W	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	9	Yes	12:42	No data	NE	No data	No data	No data	No data	No data	Circling and foraging
Clarisford	05/03/2019	SC	Day	No data	KF	1	Yes	12:43	No data	E	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	12	Yes	12:46	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	4	Yes	12:05	No data	W	No data	No data	No data	No data	No data	Circled from W to E and back W
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	12:53	No data	SW	No data	No data	No data	No data	No data	Landed and started foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:54	No data	NE	No data	No data	Yes	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	12:58	No data	NE	No data	No data	Yes	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:00	No data	NE	No data	No data	Yes	No data	No data	Circling and foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:05	No data	NE	No data	No data	Yes	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:06	No data	SW	No data	No data	No data	No data	Yes	No data
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:01	No data	W	No data	No data	No data	No data	No data	Landed to SW of VP
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:14	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:16	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:19	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	MA	1	Yes	13:02	No data	E	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	13:22	No data	No data	No data	No data	No data	No data	No data	Commuting E
Clarisford	05/03/2019	SC	Day	No data	MA	2	Yes	13:23	No data	No data	No data	No data	No data	No data	No data	Commuting E
Clarisford	05/03/2019	SC	Day	No data	MA	2	Yes	13:26	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	13:03	No data	NE	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	13:37	No data	NE	No data	No data	Yes	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	10	Yes	13:38	No data	NE	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	MA	2	Yes	13:53	No data	W	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	12	Yes	14:00	No data	SW	No data	No data	No data	No data	No data	Landed to SW of VP
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	14:05	No data	No data	No data	No data	No data	No data	No data	Commuting
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	14:06	No data	N	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	BH	2	Yes	14:07	No data	SW	No data	No data	No data	No data	No data	Foraging
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	14:01	No data	No data	No data	No data	No data	No data	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	05/03/2019	SC	Day	No data	BH	1	Yes	14:11	No data	No data	No data	No data	No data	No data	No data	No data
Clarisford	05/03/2019	SC	Day	No data	CA	1	Yes	14:14	No data	W	No data	No data	No data	No data	No data	Floating on water
Clarisford	05/03/2019	SC	Day	No data	LG	1	No data	14:16	No data	No data	No data	No data	No data	No data	No data	Appeared out of reeds - foraging
Clarisford	05/03/2019	SC	Day	No data	MA	1	No data	14:19	No data	W	No data	No data	No data	No data	No data	No data
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	13:29	No data	S	Yes	Yes	No data	No data	Yes	CA commuting S along surface, lifted SW
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	13:41	No data	N	Yes	No data	Yes	No data	No data	CA commuting N @0m
Ardcloony	12/12/2018	AB	Dusk	16.18	TU	2	Yes	14:35	No data	S	Yes	No data	No data	No data	No data	Commuted S towards weir
Ardcloony	11/03/2019	AB	Day	No data	MA	1	Yes	13:59	No data	NE/SW	Yes	Yes	No data	No data	No data	Commuting on to basin and back
Ardcloony	11/03/2019	AB	Day	No data	MA	1	Yes	13:59	No data	NE	Yes	No data	No data	No data	No data	Commuted across basin
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	14:06	No data	S	Yes	No data	No data	Yes	No data	Commuted S and landed on island
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	14:14	No data	S	No data	No data	No data	No data	Yes	Commuting along basin to SW of weir
Ardcloony	11/03/2019	AB	Day	No data	BH	1	Yes	14:14	No data	N	Yes	No data	Yes	No data	No data	Commuted N along basin
Ardcloony	09/01/2019	KM	Day	No data	TU	2	Yes	12:15	No data	N, turning S	Yes	No data	No data	Yes	No data	No data
Ardcloony	11/03/2019	AB	Day	No data	BH	8	Yes	14:37	No data	SE	Yes	No data	No data	No data	No data	Flew SE landing on spit
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	14:43	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	14:47	No data	S	No data	No data	No data	No data	Yes	Commuted S along E bank turning SW
Ardcloony	11/03/2019	AB	Day	No data	MS	2	Yes	15:05	No data	E	Yes	No data	No data	No data	No data	Short flight across basin
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:05	No data	N	Yes	No data	Yes	No data	No data	Commuting N from over weir
Ardcloony	11/03/2019	AB	Day	No data	CA	2	Yes	15:11	No data	N	No data	No data	No data	No data	No data	Flew over weir to island
Ardcloony	11/03/2019	AB	Day	No data	HG	1	Yes	15:11	No data	S	No data	No data	No data	No data	No data	Commuting N over weir
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:11	No data	S	No data	No data	No data	No data	No data	Flew over weir, flushed by others
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:14	No data	N	No data	No data	No data	No data	Yes	Flew S over weir from island
Ardcloony	11/03/2019	AB	Day	No data	ET	1	Yes	15:02	No data	E/W	Yes	No data	No data	No data	No data	Flew out from behind spit and back
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:26	No data	W	Yes	No data	No data	No data	No data	Flew from island to water
Ardcloony	11/03/2019	AB	Day	No data	BZ	1	Yes	15:36	No data	W	Yes	No data	No data	No data	No data	Flew W across basin
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:41	No data	S	Yes	No data	No data	No data	Yes	Commuting S
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:41	No data	S	Yes	No data	No data	No data	Yes	Commuting S
Ardcloony	11/03/2019	AB	Day	No data	CA	1	Yes	15:54	No data	N	Yes	No data	No data	No data	No data	Commuted N, landing on island
Ardcloony	11/03/2019	AB	Dusk	18.3	CA	2	Yes	17:01	No data	N	Yes	No data	No data	No data	No data	Flew N over weir to island
Clarisford	05/02/2019	SC	Dusk	17.33	TU	2	Yes	16:49	No data	S	Yes	No data	No data	No data	No data	Heading S on water. Male and female
Ardcloony	11/03/2019	AB	Dusk	18.3	BH	1	Yes	17:21	No data	N	Yes	No data	No data	No data	No data	Commuted N
Ardcloony	11/03/2019	AB	Dusk	18.3	ET	1	Yes	17:24	No data	E/W	Yes	No data	No data	No data	No data	Short circling flight
Ardcloony	11/03/2019	AB	Dusk	18.3	CA	1	Yes	17:27	No data	N	Yes	No data	No data	No data	No data	Flew N to island over weir
Ardcloony	11/03/2019	AB	Dusk	18.3	MA	1	Yes	17:03	No data	N	Yes	No data	No data	No data	No data	Commuted N
Ardcloony	11/03/2019	AB	Dusk	18.3	CA	1	Yes	17:36	No data	M	Yes	No data	No data	No data	No data	Commuted over weir to island
Clarisford	20/11/2018	AB SC	Dawn	8	TU	1	Yes	07:11	No data	E	Yes	No data	No data	No data	No data	Short flight across basin
Ardcloony	11/03/2019	AB	Dusk	18.3	CA	1	Yes	17:49	No data	S	No data	No data	No data	No data	Yes	Commuted S/SW over weir
Ardcloony	11/03/2019	AB	Dusk	18.3	CA	1	Yes	08:26	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	11/03/2019	AB	Dusk	18.3	CA	1	Yes	18:39	No data	W/N	Yes	No data	No data	No data	No data	Flew W from island, turning N
Ardcloony	11/03/2019	AB	Dusk	18.3	GJ	11	Yes	18:52	No data	N	Yes	Yes	No data	No data	No data	Commuted N landing in water
Ardcloony	11/03/2019	AB	Dusk	18.3	GJ	4	Yes	19:06	No data	N	Yes	No data	No data	No data	No data	Commuted N landing in water
Clarisford	01/04/2019	AB	Day	No data	BH	2	Yes	13:00	No data	S	No data	No data	No data	Yes	No data	2 BH fly S foraging flight at 8m high
Clarisford	12/12/2018	KM	Dawn	No data	TU	1	Yes	08:02	No data	SW	Yes	No data	No data	Yes	No data	No data
Clarisford	01/04/2019	AB	Day	No data	MS	2	Yes	13:06	No data	N	No data	No data	Yes	No data	No data	2 MS commuting N at 2m High
Clarisford	01/04/2019	AB	Day	No data	BH	1	Yes	13:15	No data	S	No data	No data	No data	Yes	No data	Short flight S from inlet
Clarisford	01/04/2019	AB	Day	No data	H.	1	Yes	13:37	No data	N	No data	No data	Yes	No data	No data	Commuting N @ 1m high
Clarisford	01/04/2019	AB	Day	No data	BH	2	Yes	13:41	No data	N	No data	No data	Yes	No data	No data	Wandering flight N @5m high
Clarisford	01/04/2019	AB	Day	No data	CA	1	Yes	13:57	No data	S	Yes	No data	No data	No data	No data	Short flight from inlet to post
Clarisford	01/04/2019	AB	Day	No data	BH	1	Yes	13:58	No data	E/W	Yes	No data	No data	No data	No data	Being mobbed by a HC
Clarisford	01/04/2019	AB	Day	No data	BH	1	Yes	13:58	No data	S	No data	No data	No data	Yes	No data	Wandering flight S
Clarisford	01/04/2019	AB	Day	No data	CA	1	Yes	14:02	No data	N	No data	No data	Yes	No data	No data	Flying N done a loop 8 continued N @10m

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Clarisford	01/04/2019	AB	Day	No data	CA	1	Yes	14:01	No data	N	No data	No data	Yes	No data	No data	Alighted from post, looped and flew N
Clarisford	01/04/2019	AB	Day	No data	BH	2	Yes	14:15	No data	S	No data	No data	No data	No data	Yes	Wandering flight S
Clarisford	01/04/2019	AB	Day	No data	BH	2	Yes	14:22	No data	N	No data	No data	Yes	No data	No data	Wandering flight S
Clarisford	01/04/2019	AB	Day	No data	BH	1	Yes	14:29	No data	N	No data	No data	Yes	No data	No data	Commuting N
Clarisford	01/04/2019	AB	Day	No data	CA	1	Yes	14:35	No data	N	No data	No data	Yes	No data	No data	Commuting N @20m
Clarisford	01/04/2019	AB	Day	No data	BH	17	Yes	14:04	No data	No data	Yes	No data	No data	No data	No data	Circling over spit
Clarisford	01/04/2019	AB	Day	No data	BH	2	Yes	15:08	No data	N	No data	No data	Yes	No data	No data	Wandering N
Clarisford	01/04/2019	AB	Day	No data	CA	1	Yes	15:16	No data	N	No data	No data	Yes	No data	No data	Commuting N @ 20m
Clarisford	01/04/2019	AB	Day	No data	BH	2	Yes	15:23	No data	S	No data	No data	Yes	No data	No data	Commuting S along the bank
Clarisford	01/04/2019	AB	Day	No data	CA	1	Yes	15:35	No data	N	Yes	No data	No data	No data	No data	Commuting N lands on water
Clarisford	01/04/2019	AB	Day	No data	KF	1	Yes	15:39	No data	E/NE	Yes	No data	No data	No data	No data	Flew west from canal around corner
Clarisford	01/04/2019	AB	Day	No data	BH	13	Yes	15:46	No data	N/W	Yes	No data	No data	No data	No data	Foraging. Fly N along bank then W across basin
Clarisford	01/04/2019	AB	Day	No data	MA	1	Yes	15:49	No data	W	Yes	No data	No data	No data	No data	Flew W into shallow area beside VP
Clarisford	01/04/2019	AB	Dusk	20	CA	1	Yes	18:15	No data	N/S	No data	No data	No data	No data	No data	Flew N, turning S
Clarisford	01/04/2019	AB	Dusk	20	BH	8	Yes	18:17	No data	N/S	No data	No data	No data	No data	No data	Flew N, turning S
Clarisford	01/04/2019	AB	Dusk	20	MA	2	Yes	18:23	No data	NE	No data	No data	Yes	No data	No data	Flew NE around corner
Clarisford	01/04/2019	AB	Dusk	20	KF	1	Yes	18:32	No data	S	No data	No data	No data	No data	No data	Commuted S
Clarisford	01/04/2019	AB	Dusk	20	MA	1	Yes	18:47	No data	N/S	Yes	No data	No data	No data	No data	Flew N, turning S
Clarisford	01/04/2019	AB	Dusk	20	MA	1	Yes	18:47	No data	N	No data	No data	Yes	No data	No data	Flew N
Clarisford	01/04/2019	AB	Dusk	20	MA	1	Yes	18:47	No data	N/S/NE	No data	No data	Yes	No data	No data	Flew N turning S then NE
Clarisford	01/04/2019	AB	Dusk	20	MA	1	Yes	18:05	No data	N	No data	No data	Yes	No data	No data	Flew N from shallow bay
Clarisford	01/04/2019	AB	Dusk	20	BH	2	Yes	19:00	No data	S	No data	No data	No data	Yes	No data	Commuting S
Clarisford	01/04/2019	AB	Dusk	20	KF	1	Yes	19:04	No data	S/W	Yes	No data	No data	No data	No data	Flew S around corner turning W
Clarisford	01/04/2019	AB	Dusk	20	BH	1	Yes	19:15	No data	N	No data	No data	Yes	No data	No data	Commuting along middle of bay
Clarisford	01/04/2019	AB	Dusk	20	MA	1	Yes	19:17	No data	NE	Yes	No data	Yes	No data	No data	Flew NE from bay
Clarisford	01/04/2019	AB	Dusk	20	CA	2	Yes	19:22	No data	N	No data	No data	No data	No data	No data	Commuting N towards island
Clarisford	01/04/2019	AB	Dusk	20	H.	1	Yes	19:03	No data	N	No data	No data	Yes	No data	No data	Commuting N
Clarisford	01/04/2019	AB	Dusk	20	H.	1	Yes	20:27	No data	S/W	No data	No data	Yes	No data	No data	Flew S, turning W around corner
Ardcloony	02/04/2019	AB	Day	No data	CA	2	Yes	11:45	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Day	No data	GJ	2	Yes	11:05	No data	S	Yes	No data	No data	No data	No data	Short flight from field to water
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	12:14	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	02/04/2019	AB	Day	No data	TU	1	Yes	12:22	No data	N	Yes	No data	No data	No data	No data	Flew N across basin
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	12:27	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	12:43	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	12:51	No data	S	No data	No data	No data	No data	Yes	Commuting
Ardcloony	02/04/2019	AB	Day	No data	TU	1	Yes	12:51	No data	S	Yes	No data	No data	No data	No data	Short flight within basin
Ardcloony	02/04/2019	AB	Day	No data	CA	2	Yes	13:00	No data	N	No data	No data	Yes	No data	No data	Commuting
Ardcloony	02/04/2019	AB	Day	No data	MA	2	Yes	13:01	No data	E	Yes	No data	No data	No data	No data	Short flight
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	13:04	No data	W	No data	Yes	No data	No data	No data	Commuting
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	13:07	No data	S	No data	No data	No data	No data	Yes	Commuting
Ardcloony	02/04/2019	AB	Day	No data	GJ	6	Yes	13:16	No data	S/W	Yes	No data	No data	No data	No data	Short flight
Ardcloony	02/04/2019	AB	Day	No data	GJ	1	Yes	13:17	No data	S/N	Yes	No data	No data	No data	No data	Short flight
Ardcloony	02/04/2019	AB	Day	No data	MA	1	Yes	13:17	No data	S	No data	No data	No data	No data	Yes	Commuting
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	13:03	No data	NE	No data	No data	Yes	No data	No data	Commuting
Ardcloony	02/04/2019	AB	Day	No data	LB	2	Yes	13:32	No data	S/NW	Yes	No data	No data	No data	No data	Foraging flight over river
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	13:36	No data	W/SW	No data	No data	No data	No data	Yes	Flew from ESB then headed SW
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	13:42	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Day	No data	BH	30	Yes	13:55	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	14:13	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Day	No data	CA	1	Yes	14:15	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Day	No data	MA	5	Yes	14:16	No data	W	No data	Yes	No data	No data	No data	Commuting
Ardcloony	02/04/2019	AB	Day	No data	MA	3	Yes	14:18	No data	SSW	No data	Yes	No data	No data	No data	Commuting
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	06:45	No data	S	No data	No data	No data	No data	Yes	CA commuting S from roost
Ardcloony	02/04/2019	AB	Dawn	7	CA	3	Yes	06:56	No data	S	No data	No data	No data	No data	Yes	CA commuting S from roost

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Ardcloony	02/04/2019	AB	Dawn	7	GJ	2	Yes	06:57	No data	N	Yes	No data	No data	No data	No data	Commuted N over weir landing behind island
Ardcloony	02/04/2019	AB	Dawn	7	CA	2	Yes	07:15	No data	S	No data	No data	No data	No data	Yes	Commuted S from roost
Ardcloony	02/04/2019	AB	Dawn	7	BH	1	Yes	07:18	No data	W/SW	No data	No data	No data	No data	No data	Flew W from ESB canal then S
Ardcloony	02/04/2019	AB	Dawn	7	CA	6	Yes	07:23	No data	S	No data	No data	No data	No data	Yes	Commuted S from roost
Ardcloony	02/04/2019	AB	Dawn	7	BH	16	Yes	07:23	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	02/04/2019	AB	Dawn	7	CA	2	Yes	07:31	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Dawn	7	BH	18	Yes	07:31	No data	S	Yes	No data	No data	No data	No data	Flew around corner of spit
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	07:52	No data	N	No data	No data	No data	No data	No data	Commuted N to island
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	07:52	No data	S	No data	No data	No data	No data	No data	Commuted S
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:01	No data	S	No data	No data	No data	No data	Yes	Commuted S
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:01	No data	S	No data	No data	No data	No data	No data	Commuted S
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:01	No data	S	No data	No data	No data	No data	No data	Commuted S
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:01	No data	S	No data	No data	No data	No data	No data	Commuted S
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:23	No data	N	No data	No data	Yes	No data	No data	Commuting N
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:03	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	02/04/2019	AB	Dawn	7	MA	2	Yes	08:47	No data	S/E	Yes	No data	No data	No data	No data	Flew S, turning E
Ardcloony	02/04/2019	AB	Dawn	7	GJ	2	Yes	08:05	No data	S	No data	No data	No data	No data	Yes	Commuting S
Ardcloony	02/04/2019	AB	Dawn	7	CA	1	Yes	08:55	No data	S	No data	No data	No data	No data	Yes	Commuting S
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	06:03	No data	SE	Yes	No data	No data	Yes	No data	Flew over bridge and landed
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	06:31	No data	SE	Yes	No data	No data	Yes	No data	Flew over bridge and landed
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	06:45	No data	SE	Yes	No data	No data	Yes	No data	Flew E and landed on buoy
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	06:47	No data	SE	Yes	No data	No data	Yes	No data	Same bird from 6.45, flew off
Flanagans	03/04/2019	SC	Dawn	7.06	KF	1	Yes	06:58	No data	SW	Yes	No data	No data	No data	No data	Flew W
Flanagans	03/04/2019	SC	Dawn	7.06	KF	1	Yes	07:00	No data	SE	Yes	No data	No data	No data	No data	Flew over VP into trees
Flanagans	03/04/2019	SC	Dawn	7.06	BH	2	Yes	07:06	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	BH	2	Yes	07:08	No data	No data	No data	No data	No data	No data	No data	Flew E to bridge and circled. Turned back E
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:01	No data	SE	Yes	No data	No data	Yes	No data	Flew E, circled bridge before landing on water
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:16	No data	SE	No data	No data	No data	No data	No data	Downstream of bridge
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:22	No data	NW	Yes	No data	No data	Yes	No data	Flew E, circled and landed downstream
Flanagans	03/04/2019	SC	Dawn	7.06	LB	1	Yes	07:25	No data	NW	No data	No data	Yes	No data	No data	Flew N, circled and turned back S
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:25	No data	NW	No data	No data	Yes	No data	No data	Flew along far bank, over trees and S, OOV
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	07:28	No data	No data	No data	No data	No data	No data	No data	Flew low over water and round the corner OOV
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:03	No data	NW	No data	No data	No data	No data	No data	Circled bridge and headed S
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:32	No data	No data	No data	No data	No data	No data	No data	High over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:38	No data	SE	No data	No data	No data	Yes	No data	Flew E, circled and landed downstream
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:39	No data	SE	No data	No data	No data	Yes	No data	Flew E, circled and landed downstream
Flanagans	03/04/2019	SC	Dawn	7.06	BH	2	Yes	07:44	No data	No data	No data	No data	Yes	No data	No data	Flew W, circled and flew E
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:45	No data	NW	No data	No data	Yes	No data	No data	Flew W round the corner and OOV
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	07:46	No data	NW	No data	No data	No data	No data	No data	Flew W round the corner and OOV
Flanagans	03/04/2019	SC	Dawn	7.06	MA	1	Yes	08:00	No data	S	No data	No data	No data	Yes	No data	Flew high and fast over bridge and OOV
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	08:07	No data	No data	No data	No data	Yes	No data	No data	Flew N, circled and turned back S
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	08:12	No data	NW	No data	No data	Yes	No data	No data	Flew low over water and round the corner OOV
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	08:16	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	LB	2	Yes	08:02	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	08:21	No data	NW	No data	No data	No data	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	08:24	No data	S	No data	No data	Yes	No data	No data	No data

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	08:03	No data	NW	No data	No data	No data	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	08:32	No data	SE	No data	No data	No data	No data	No data	Flew over bridge and landed
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	08:33	No data	SE	No data	No data	No data	No data	No data	Flew SE over bridge, circled and landed upstream at bridge in front of VP
Flanagans	03/04/2019	SC	Dawn	7.06	BH	4	Yes	08:42	No data	No data	No data	No data	No data	No data	No data	Circling bridge
Flanagans	03/04/2019	SC	Dawn	7.06	HG	1	Yes	08:44	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	HG	1	Yes	08:45	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	08:05	No data	No data	No data	No data	No data	No data	No data	Circled bridge and landed upstream
Flanagans	03/04/2019	SC	Dawn	7.06	HG	1	Yes	08:52	No data	SE	No data	No data	No data	Yes	No data	Flew high and fast overbridge and OOV
Flanagans	03/04/2019	SC	Dawn	7.06	HG	2	Yes	08:55	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	MA	3	Yes	08:59	No data	No data	No data	No data	No data	No data	No data	Circled bridge and landed downstream
Flanagans	03/04/2019	SC	Dawn	7.06	MA	2	Yes	09:00	No data	SE	No data	No data	No data	No data	No data	Flew over bridge and landed
Flanagans	03/04/2019	SC	Dawn	7.06	BH	2	Yes	09:05	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	09:01	No data	No data	No data	No data	No data	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Dawn	7.06	CA	1	Yes	09:15	No data	SE	No data	No data	No data	Yes	No data	Flew high and fast over bridge and OOV
Flanagans	03/04/2019	SC	Dawn	7.06	BH	1	Yes	09:18	No data	NW	No data	No data	Yes	No data	No data	Flew high over bridge and on upstream
Flanagans	03/04/2019	SC	Day	No data	LB	1	Yes	11:03	No data	SE	No data	No data	No data	Yes	No data	Flew from LD SE over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	HG	1	Yes	11:31	No data	SE	No data	No data	No data	Yes	No data	Took off from buoy over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	11:04	No data	SE	No data	No data	No data	Yes	No data	Flew from LD SE over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	MA	3	Yes	12:01	No data	No data	No data	No data	No data	No data	No data	Circled bridge and landed downstream
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	12:01	No data	No data	No data	No data	No data	No data	No data	Circled bridge and flew SE
Flanagans	03/04/2019	SC	Day	No data	CA	1	Yes	12:29	No data	NW	No data	No data	Yes	No data	No data	Over bridge upstream and round corner OOV
Flanagans	03/04/2019	SC	Day	No data	CA	1	Yes	12:35	No data	No data	No data	No data	No data	No data	No data	Past VP and landed on water
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	12:36	No data	NW	No data	No data	No data	No data	No data	Over bridge upstream and round corner OOV
Flanagans	03/04/2019	SC	Day	No data	CA	1	Yes	12:45	No data	NW	No data	No data	No data	No data	No data	Over bridge upstream and round corner OOV
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	12:49	No data	No data	No data	No data	No data	No data	No data	Circling in front of VP, S over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	CA	2	Yes	12:58	No data	NW	No data	No data	No data	No data	No data	Over bridge upstream and round corner OOV
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	13:05	No data	NW	No data	No data	No data	No data	No data	Over bridge upstream and round corner OOV
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	13:05	No data	No data	No data	No data	No data	No data	No data	Circled bridge and landed on buoy upstream by bridge
Flanagans	03/04/2019	SC	Day	No data	HG	1	Yes	13:21	No data	No data	No data	No data	No data	No data	No data	Flew NW, then turned SW OOV
Flanagans	03/04/2019	SC	Day	No data	HG	1	Yes	13:23	No data	No data	No data	No data	No data	No data	No data	Over bridge and landed on buoy
Flanagans	03/04/2019	SC	Day	No data	BH	2	Yes	13:24	No data	No data	No data	No data	No data	No data	No data	Circled bridge and landed on buoy upstream by bridge
Flanagans	03/04/2019	SC	Day	No data	HG	1	Yes	13:03	No data	No data	No data	No data	No data	No data	No data	Took off from buoy near bridge and headed S
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	13:31	No data	No data	No data	No data	No data	No data	No data	Over bridge and landed on buoy
Flanagans	03/04/2019	SC	Day	No data	BH	2	Yes	13:39	No data	No data	No data	No data	No data	No data	No data	Took off from buoy, circled bridge and landed
Flanagans	03/04/2019	SC	Day	No data	LB	1	Yes	13:04	No data	NW	No data	No data	Yes	No data	No data	Commuting over bridge upstream and round corner out of view

Location	Date	Observer	VP Period	Dawn/Dusk Time	Species	Number	Flight (Yes/No)	Observation Time	Time Interval (sec)	Bearing (N, E, S, W)	Within basin	Outside basin	Toward LD	Toward Parteen	Toward Lower R Shannon	Notes
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	13:46	No data	No data	No data	No data	No data	No data	No data	Flew SE and landed on buoy
Flanagans	03/04/2019	SC	Day	No data	LB	1	Yes	13:05	No data	No data	No data	No data	No data	No data	No data	Commuting S, from LD over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	13:51	No data	No data	No data	No data	No data	No data	No data	Flew SE and turned E over bridge
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	14:13	No data	No data	No data	No data	No data	No data	No data	Took off from buoy, circled bridge and landed on the far side (S) of bridge
Flanagans	03/04/2019	SC	Day	No data	CA	1	Yes	14:14	No data	NW	No data	No data	Yes	No data	No data	Commuting NW over bridge and round corner OOV
Flanagans	03/04/2019	SC	Day	No data	BH	2	Yes	14:16	No data	No data	No data	No data	No data	No data	No data	Flew NW circling in front of VP, then turned commuting SE over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	BH	1	Yes	14:02	No data	SE	No data	No data	No data	No data	No data	Off from buoy, turned S over bridge and OOV
Flanagans	03/04/2019	SC	Day	No data	CA	1	Yes	14:29	No data	NW	No data	No data	Yes	No data	No data	Commuting from Parteen over bridge and OOV

Winter Bird Survey Results – 2019/2020

October 2019 I-WeBS Lough Derg														
	Species BTO Code	BH	BZ	CA	CO	ET	GG	H.	HG	L.	LG	MA	MH	MS	TU
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great- crested Grebe	Grey Heron	Herring Gull	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck
Subsite Name	Ballycuggeran Bay	58		3			1							4	
	Ballyheefy			1	60										50
	Blackrock Point	37		4			4							9	
	Bunglasha Bay						1							2	
	Castlelough Public Park	30												13	
	Church Bay				16										
	Clerys Point				2									4	
	Cloondadauv				6		5				3	2		4	47
	Cloonoolia South						2				4			2	251
	Derry Demesne			5			2							5	
	Dromineer Bay	100		3					13		13			7	40
	Friary	115		2	2		1				8	25	2	3	
	Garrykennedy Harbour	120		2					3			18		21	
	Glenbower			3	56		1								13
	Gortmore			4			1			3		3		7	
	Illanboe			4	1		6			11	1		1	3	4
	Kilgarvan Quay			2			3				5			1	
	Luska						4							1	
	Mota			2			1							4	
	Old Village		1								1			1	
	Rossmore Pier			1							1				
	Ryninch													8	
	Skehanagh			5			5							5	36
	Terryglass Harbour	4		2		1		1		30		2		10	
	Williamstown			5	1								1	17	
	Youghal Quay			2			3							19	1
	Grand Total	**464**	**1**	**50**	**144**	**1**	**40***	**1**	**16**	**44**	**36***	**50**	**4**	**150***	**442***

October 2019 I-WeBS Parteen Basin								
	Species BTO Code	BH	CA	GG	LG	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Great-crested Grebe	Little Grebe	Mallard	Mute Swan	Tufted Duck
Subsite Name	Ardcloony	40	3	2		5	10	160
	Clarisford		5	4	9		11	50
	O'Briensbridge					4	3	
	O'Briensbridge Montpelier	3	1		2	9	4	
	Grand Total	**43**	**9**	**6**	**11**	**18**	**28**	**210**

[1] **An Asterix (*) denotes that a species has met the 1% national threshold. An overview of these thresholds can be found in Appendix E.**

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October 2019 I-WeBS Corridor												
	Species BTO Code	**BZ**	**CA**	**CO**	**GJ**	**GL**	**H.**	**K.**	**LG**	**MA**	**MH**	**MS**
	Species Name	**Buzzard**	**Cormorant**	**Coot**	**Greylag Goose**	**Grey Wagtail**	**Grey Heron**	**Kestrel**	**Little Grebe**	**Mallard**	**Moorhen**	**Mute Swan**
Subsite Name	Ballybeg Lane			2						2		2
	Drehid	2		2								
	Little Brosna (Brosna Bridge)	2	3			3						
	Lough Eorna			4	16				12	24	4	2
	Nenagh River Ballyartella Bridge					2		1				
	Pallas Lough						1				1	3
	Grand Total	**4**	**3**	**8**	**16**	**5**	**1**	**1**	**12**	**26**	**5**	**7**

November 2019 I-WeBS Lough Derg																	
	Species BTO Code	**BH**	**CA**	**CO**	**CU**	**ET**	**GG**	**GN**	**H.**	**HG**	**L.**	**LG**	**MA**	**MH**	**MS**	**RM**	**TU**	**WS**
	Species Name	**Black-headed Gull**	**Cormorant**	**Coot**	**Curlew**	**Little Egret**	**Great- crested Grebe**	**Goldeneye**	**Grey Heron**	**Herring Gull**	**Lapwing**	**Little Grebe**	**Mallard**	**Moorhen**	**Mute Swan**	**Red-breasted Merganser**	**Tufted Duck**	**Whooper Swan**
Subsite Name	Ballycuggeran Bay	4					2								1			
	Bunglasha Bay			2									2		2		8	
	Church Bay			5										1				
	Clerys Point					1		5										
	Cloonoolia Bay A		1										8		3		150	
	Derrymaccegan Bay							1				1			1		24	
	Dromineer Bay	2					1					2	6		2		12	
	Duceys Harbour			2									12					
	Friary	109	4								1						3	
	Garrykennedy Harbour	80	3			1	1					2	3		7			
	Glenbower		2	50											4		90	
	Gortmore	100	1				2				24				6			
	Illanboe				1										2		8	
	Kilgarvan Quay																9	
	Knockaphort			2	20		3					0					1	30
	Luska		4				3		1						2		12	
	Mota						1										12	
	Mountshannon		2													2	14	
	Old Village	60													1			
	Rossmore Pier		1				1								2		3	
	Ryninch	71																
	Skehanagh		1												3		5	
	Terryglass Harbour	500					3						6		2			
	Williamstown																5	
	Youghal Quay	30	1				2			4		1			7			
	Grand Total	**956**	**20**	**61**	**21**	**2**	**19**	**6**	**1**	**4**	**25**	**6**	**37**	**1**	**45**	**2**	**356***	**30**

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November 2019 I-WeBS Parteen Basin									
	Species BTO Code	GG	KF	L.	LG	MA	MS	PO	TU
	Species Name	Great-crested Grebe	Kingfisher	Lapwing	Little Grebe	Mallard	Mute Swan	Pochard	Tufted Duck
Subsite Name	Ardcloony	2		10		8			80
	Clarisford	2	1		2		10	8	450
	O'Briensbridge Montpelier						2		
	Grand Total	**4**	**1**	**10**	**2**	**8**	**12**	**8**	**530***

November 2019 I-WeBS Corridor													
	Species BTO Code	BH	BZ	CO	H.	L.	LG	MA	MH	MS	WA	WN	WS
	Species Name	Black-headed Gull	Buzzard	Coot	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Water Rail	Wigeon	Whooper Swan
Subsite Name	Cushaling												44
	Ardcrony	112			1	64		2				62	14
	Ballybeg Lane			5			1	2		2			
	Cancor River		1										
	Coolderry	70								2			
	Drehid	2	1										
	Gorteenkeel Bog												21
	Grand Canal at Ardclogh									1			
	Lough Eorna				1				2	3			
	Nenagh River Ballyartella Bridge				1					2			
	Pallas Lough				1	3		1		8	1		
	Grand Total	**184**	**2**	**5**	**4**	**67**	**1**	**5**	**2**	**18**	**1**	**62**	**79**

December 2019 I-WeBS Lough Derg																		
	Species BTO Code	BH	BZ	CA	CO	ET	GG	GJ	H.	L.	LG	MA	MH	MS	SH	SP	T.	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great- crested Grebe	Greylag Goose	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Sparrowhawk	Scuap	Teal Duck	Tufted Duck	Whooper Swan
Subsite Name	Ballycuggeran Bay	6		1															
	Ballyheefy													5					
	Blackrock Point				2									1					
	Castlelough Public Park											1		2					
	Church Bay				2						1			4		8			
	Claree Lough	30						180											
	Clerys Point										1			4		5		40	
	Cloondadauv	50								400	1	2	2	3			4		13
	Cloonoolia Bay A			2										2					
	Cloonoolia South			1										2				35	
	Derry Demesne	10					1					4		2					
	Derrymaccegan Bay	1		11			1					8		5	1			13	
	Dromineer Bay	16		3							2			3				14	
	Duceys Harbour											11							
	Friary	1		8			1											15	
	Garrykennedy Harbour	14		2	1									14					
	Gortmore	5		4	4		1	11	1					5	1			80	
	Illanboe			2										1				4	
	Kilcooney			2															

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December 2019 I-WeBS Lough Derg																		
	Species BTO Code	BH	BZ	CA	CO	ET	GG	GJ	H.	L.	LG	MA	MH	MS	SH	SP	T.	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great- crested Grebe	Greylag Goose	Grey Heron	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Sparrowhawk	Scuap	Teal Duck	Tufted Duck	Whooper Swan
	Kilgarvan Quay		1		1								1					4	
	Knockaphort			1							3	4		2					
	Luska			4	1									4				14	
	Mota			2	1		1			200								5	
	Mountshannon			1	6							4						10	
	Ryninch	2									1			3					
	Skehanagh	35		1	1					200	1		1	3					
	Terryglass Harbour	4		3			2					4		6					
	Towards Spa Island													3					
	Williamstown				3						2		3						
	Youghal Quay					1								5					
	Grand Total	**174**	**1**	**48**	**22**	**1**	**7**	**191***	**1**	**800**	**12**	**38**	**7**	**79**	**2**	**13**	**4**	**234**	**13**

December 2019 I-WeBS Parteen Basin						
	Species BTO Code	BH	CA	L.	LG	MS
	Species Name	Black-headed Gull	Cormorant	Lapwing	Little Grebe	Mute Swan
Subsite Name	Ardcloony	21	2		14	11
	Clarisford	4	1			6
	O'Briensbridge	2		50		6
	O'Briensbridge Montpelier					2
	Grand Total	**27**	**3**	**50**	**14**	**25**

December 2019 I-WeBS Corridor																		
	Species BTO Code	BZ	CA	CO	ET	H.	K.	L.	LB	LG	MA	MH	MS	SH	T.	TU	WN	WS
	Species Name	Buzzard	Cormorant	Coot	Little Egret	Grey Heron	Kestrel	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Sparrowhawk	Teal Duck	Tufted Duck	Wigeon	Whooper Swan
Subsite Name	Ardcrony				1			85					1		24		57	10
	Ballybeg Lane			2								1						
	Cancor River													1				
	Coolderry																	14
	Cushaling					1												
	Drehid								18									
	Grand Canal at Ardclogh									1		1	5					
	K Club (Liffey at Strattan Bridge)		1			1												
	Little Brosna (Brosna Bridge)				3													
	Little Brosna (Sharavogue Bridge)		1															
	Lough Eorna			5							14					7		
	Lough Nahinch	1																
	Nenagh River Ballyartella Bridge					1												
	North of Cushaling						1											
	Pallas Lough												3					
	Grand Total	**1**	**2**	**7**	**4**	**3**	**1**	**85**	**18**	**1**	**14**	**2**	**9**	**1**	**24**	**7**	**57**	**24**

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January 2020 I-WeBS Lough Derg																			
	Species BTO Code	BH	CA	CM	CO	ET	GG	GJ	GN	H.	HG	L.	LB	LG	MA	MH	MS	SV	T.	TU	WS
	Species Name	Black-headed Gull	Cormorant	Common Gull	Coot	Little Egret	Great- crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Herring Gull	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Shoveler Duck	Teal Duck	Tufted Duck	Whooper Swan
Subsite Name	Ballycuggeran Bay	25		3											2		2				
	Ballyheefy					1	2										2				
	Blackrock Point				2																
	Bunglasha Bay						1													8	
	Castlelough Public Park	8	3				1								4		5			6	
	Church Bay				10									6			3				
	Claree Lough	175	1		1			85									1				
	Clerys Point				2									2							
	Cloondadauv	5			1							20		2			1				
	Cloonoolia Bay A																2			6	
	Cloonoolia South																2				
	Derry Demesne		1														4				
	Derrymaccegan Bay													2		2	1				
	Drominagh	8	1							1		36			4		2		12		
	Dromineer Bay	27	4		9						1			1			4				
	Duceys Harbour				2		1								18		2				
	Friary	57								1				2	4						
	Garrykennedy Harbour	47	3							1					7		18				
	Glenbower		1		12									5	3		5			7	
	Gortmore	18	15		5							28	41	1			8			54	
	Illanboe															2					
	Kilcooney				13									4		2	8				
	Kilgarvan Quay		2		3												3			14	
	Knockaphort				2	1			3											3	20
	Luska		2		7		3							3	6		5			21	
	Mota		7		1		2							1			6			18	
	Mountshannon						2		6									3		30	
	Rossmore Pier		1		1									4			2				
	Ryninch	8					1								8						
	Skehanagh	1	1		5		3		4		1			2			5				
	Terryglass Harbour	60			1									1	2		3				
	Youghal Quay	20	2		6	1	4			1				2	5		7			20	
	Grand Total	**459**	**44**	**3**	**83**	**3**	**20**	**85***	**13**	**4**	**2**	**84**	**41**	**38**	**63**	**6**	**101***	**3**	**12**	**187**	**20**

January 2020 I-WeBS Parteen Basin								
	Species BTO Code	BH	CA	GG	GN	LB	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Great-crested Grebe	Goldeneye	Lesser Black-backed Gull	Mallard	Mute Swan	Tufted Duck
Subsite Name	Ardcloony	35	10	1		2		4	111
	Clarisford	80	4	2	2		4	2	81
	Grand Total	**115**	**14**	**3**	**2**	**2**	**4**	**6**	**192**

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January 2020 I-WeBS Corridor															
	Species BTO Code	BH	BZ	CO	GP	H.	L.	LG	MA	MS	SV	T.	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Golden Plover	Grey Heron	Lapwing	Little Grebe	Mallard	Mute Swan	Shoveler Duck	Teal Duck	Tufted Duck	Wigeon	Whooper Swan
Subsite Name	Ardcrony	24			25		205				4	49		66	
	Ballybeg Lane		1	2				1	11						
	Coolderry														88
	Grand Canal at Ardclogh								3						
	Lisnasoolmoy										0				
	Little Brosna (Brosna Bridge)								1	3					
	Lough Eorna	190		3		1		1	17	1			34		
	Palias Lough								21	3					
	Grand Total	**214**	**1**	**5**	**25**	**1**	**205**	**2**	**53**	**7**	**4**	**49**	**34**	**66**	**88**

February 2020 I-WeBS Lough Derg																				
	Species BTO Code	BH	BZ	CA	CM	CO	CU	GG	GJ	GN	GP	H.	LB	LG	MA	MH	MS	SH	T.	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Curlew	Great- crested Grebe	Greylag Goose	Goldeneye	Golden Plover	Grey Heron	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Shoveler Duck	Teal Duck	Tufted Duck	Whooper Swan
Subsite Name	Ballycuggeran Bay	35			5										6		2				
	Ballyheefy							2													
	Blackrock Point					2								1							
	Bunglasha Bay																2			30	
	Castlelough Public Park			1													11				
	Church Bay					8								10							
	Claree Lough			2					50								1				
	Clerys Point					0							1	1	1						
	Cloondadauv					2															
	Cloonoolia Bay A			2						3							2			14	
	Cloonoolia South	5								2							2				
	Derry Demesne	11		2													5				
	Derrymaccegan Bay			6						2							2				
	Drominagh	8		3		2											2		7		
	Dromineer Bay	5		2		5		2						2			3				
	Duceys Harbour					1		3							14						
	Friary	50									400		2	5	4		2				
	Garrykennedy Harbour	17		1											18	1	2				
	Glenbower		1			13		1						6		1	3			13	
	Gortmore			58		3		1									4				
	Illanboe			2										3		2					
	Kilcooney																				35
	Kilgarvan Quay	3		13		5		3						3			4			8	
	Knockaphort					8		2		2										30	
	Luska			3		2		3									3			8	
	Mota			2		9								2			8	1		14	
	Mountshannon			1																25	
	Rossmore Pier													4	7		2			8	
	Ryninch	3																		1	

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February 2020 I-WeBS Lough Derg																				
	Species BTO Code	BH	BZ	CA	CM	CO	CU	GG	GJ	GN	GP	H.	LB	LG	MA	MH	MS	SH	T.	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Curlew	Great- crested Grebe	Greylag Goose	Goldeneye	Golden Plover	Grey Heron	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Shoveler Duck	Teal Duck	Tufted Duck	Whooper Swan
	Skehanagh		3	4		5		1						5			1				
	Terryglass Harbour	100		89		45		1				1		1	5		7				
	Williamstown					4							1	2			2				
	Youghal Quay	26		3		4	7	2						2	11		10			8	
	Grand Total	**263**	**4**	**197***	**5**	**118**	**7**	**21**	**50***	**9**	**400**	**1**	**4**	**47***	**66**	**4**	**80**	**1**	**7**	**159**	**35**

February 2020 I-WeBS Parteen Basin									
	Species BTO Code	BH	CA	GN	H.	L.	LB	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Goldeneye	Grey Heron	Lapwing	Lesser Black-backed Gull	Mallard	Mute Swan	Tufted Duck
Subsite Name	Ardcloony						2		2	60
	Clarisford	12		2		36		1	2	65
	O'Briensbridge	5							1	
	O'Briensbridge Montpelier	2	1		1					
	Grand Total	**19**	**1**	**2**	**1**	**36**	**2**	**1**	**5**	**125**

February 2020 I-WeBS Corridor																			
	Species BTO Code	BH	BZ	CA	CO	GJ	GL	H.	K.	L.	LB	LG	MA	MH	MS	T.	TU	WN	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Coot	Greylag Goose	Grey Wagtail	Grey Heron	Kestrel	Lapwing	Lesser Black-backed Gull		Mallard	Moorhen	Mute Swan	Teal Duck	Tufted Duck	Wigeon	Whooper Swan
Subsite Name	Ardcrony	200								130			8		7	160		220	60
	Ballybeg Lane				4							1	3		4				
	Coolderry	45																	60
	Cushaling																		8
	Drehid										3								
	Little Brosna (Brosna Bridge)		2	3			3												
	Little Brosna (Sharavogue Bridge)												2						
	Lough Eorna				17	16		2	1			14	30	6	2		41		
	Nenagh River Ballyartella Bridge						2		1										
	Pallas Lough							1					2	1	6				
	Grand Total	**245**	**2**	**3**	**21**	**16**	**5**	**3**	**2**	**130**	**3**	**15**	**45**	**7**	**19**	**160**	**41**	**220**	**128**

March 2020 I-WeBS Lough Derg																				
	Species BTO Code	BH	BZ	CA	CM	CO	GB	GG	GJ	GL	GN	H.	K.	LB	LG	MA	MH	MS	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Greater Black-backed Gull	Great- crested Grebe	Greylag Goose	Grey Wagtail	Goldeneye	Grey Heron	Kestrel	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Whooper Swan
Su bsi	Ballycuggeran Bay	7						1						1		4		1		

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March 2020 I-WeBS Lough Derg																			
	Species BTO Code	BH	BZ	CA	CM	CO	GB	GG	GJ	GL	GN	H.	K.	LB	LG	MA	MH	MS	TU	WS
	Species Name	Black-headed Gull	Buzzard	Cormorant	Common Gull	Coot	Greater Black-backed Gull	Great- crested Grebe	Greylag Goose	Grey Wagtail	Goldeneye	Grey Heron	Kestrel	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Tufted Duck	Whooper Swan
	Blackrock Point							1												
	Castlelough Public Park	5														4		4		
	Church Bay					4		1							6			1		
	Claree Lough			2		1			11									1		
	Clerys Point					2									2				3	
	Cloondadauv	80																		
	Cloonoolia Bay A	12			1														10	
	Cloonoolia South	150		1												3		2		
	Derry Demesne		1	1												1		4		
	Drominagh	11													2					
	Dromineer Bay	17	1	1		4	1	5							1	1		5		
	Duceys Harbour					2		1				1				2			10	
	Friary	15		2				1							3				2	
	Garrykennedy Harbour	1		3												2		5		
	Glenbower	9		2		5		1							1					
	Gortmore	306																5	150	
	Illanboe	230																		
	Kilcooney	55													4				8	
	Kilgarvan Quay	16		2				2							1				14	
	Knockaphort					2		2			2							2	10	50
	Luska							2			2				2		2	5	3	
	Mota					3									2				11	
	Mountshannon							1										1	4	
	Near Ballycraggan		1										1							29
	Old Village	20				8				4						2		2		
	Ryninch																	1		
	Skehanagh								25											
	Terryglass Harbour	187		36		1		2							3	4		2		
	Williamstown			1						3								2		
	Youghal Quay	137		1		1									1			3		
	Grand Total	**1258**	**3**	**52**	**1**	**33**	**1**	**20**	**36***	**7**	**4**	**1**	**1**	**1**	**28***	**23**	**2**	**46**	**225**	**79**

March 2020 I-WeBS Parteen Basin									
	Species BTO Code	BH	CA	GG	GJ	H.	HG	MA	MS	TU
	Species Name	Black-headed Gull	Cormorant	Great-crested Grebe	Greylag Goose	Heron	Herring Gull	Mallard	Mute Swan	Tufted Duck
Subsite Name	Ardcloony	14		1	2	1			4	22
	Clarisford		1	1					2	10
	O'Briensbridge	10	1			1	1			
	O'Briensbridge Montpelier		1					2	1	
	Grand Total	**24**	**3**	**2**	**2**	**2**	**1**	**2**	**7**	**32**

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March 2020 I-WeBS Corridor																	
	Species BTO Code	BH	CO	ET	K.	KF	L.	LG	MA	MH	MS	PO	SN	T.	TU	WN	WS
	Species Name	Black-headed Gull	Cormorant	Little Egret	Kestrel	Kingfisher	Lapwing	Lesser Black-backed Gull	Mallard	Moorhen	Mute Swan	Pochard	Snipe	Teal Duck	Tufted Duck	Wigeon	Whooper Swan
Subsite Name	Ardcrony	112					2		3		2		7			80	
	Ballinderry				1												
	Ballybeg Lane		4						5								
	Coolderry																78
	Grand Canal at Ardclogh								2								
	Little Brosna (Sharavogue Bridge)					1											
	Lough Eorna	930	6					1	7	7	6	9		7	28		
	Nenagh River Ballyartella Bridge			1													
	Pallas Lough								6								
	Grand Total	**1042**	**10**	**1**	**1**	**1**	**2**	**1**	**23**	**7**	**8**	**9**	**7**	**7**	**28**	**80**	**78**

October 2019 Hen Harrier Surveys Results							
	Species BTO Code	BZ	CA	HY	K.	RN	SH
	Species Name	Buzzard	Cormorant	Hobby	Kestrel	Raven	Sparrowhawk
Survey Location	Cushaling					24	
	Kilcomber	2					
	Mount Lucas						1
	NE of Drehid					1	1
	Schoboy	1			1		1
	Sharavogue		3	1			
	Grand Total	**3**	**3**	**1**	**1**	**25**	**3**

November 2019 Hen Harrier Surveys Results										
	Species BTO Code	BZ	GP	H.	HH	K.	L.	MA	SH	WA
	Species Name	Buzzard	Golden Plover	Grey Heron	Hen Harrier	Kestrel	Lapwing	Mallard	Sparrowhawk	Water Rail
Survey Location	Cushaling	2		1		1	8	8		
	Kilcomber						40			
	Mount Lucas				2					
	NE of Drehid		1	2					1	
	Timahoe East							4		1
	West of Drehid	1								
	Grand Total	**3**	**1**	**3**	**2**	**1**	**48**	**12**	**1**	**1**

December 2019 Hen Harrier Surveys Results						
	Species BTO Code	**BZ**	**GP**	**H.**	**L.**	**SH**
	Species Name	**Buzzard**	**Golden Plover**	Grey Heron	**Lapwing**	**Sparrowhawk**
Survey Location	Cushaling	1		2	27	1
	Kilcomber	4	30			
	Schoboy	2				
	Timahoe East			2		
	Grand Total	**7**	**30**	**4**	**27**	**1**

January 2020 Hen Harrier Surveys Results					
	Species BTO Code	**BZ**	**CA**	**MS**	**SH**
	Species Name	**Buzzard**	**Cormorant**	**Mute Swan**	**Sparrowhawk**
Survey Location	Cushaling				2
	Kilcomber	2			
	Sharavogue		1		2
	Timahoe East			2	
	Grand Total	**2**	**1**	**2**	**4**

February 2020 Hen Harrier Surveys Results								
	Species BTO Code	**BZ**	**CA**	**K.**	**MA**	**MH**	**SH**	**SN**
	Species Name	**Buzzard**	**Cormorant**	**Kestrel**	**Mallard**	**Moorhen**	**Sparrowhawk**	**Snipe**
Survey Location	NE of Drehid						1	
	Schoboy	1		1				
	Sharavogue		3	1				
	West of Drehid	3			2	1		2
	Grand Total	**4**	**3**	**2**	**2**	**1**	**1**	**2**

March 2020 Hen Harrier Surveys Results				
	Species BTO Code	**BZ**	**SH**	**SN**
	Species Name	**Buzzard**	**Sparrowhawk**	**Snipe**
Survey Location	Mount Lucas		1	
	Schoboy	1		
	West of Drehid	1	1	1
	Grand Total	**2**	**2**	**1**

Vantage Point Survey Results 2019/2020:

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	15/10/2019	SC	CA	Yes	1	16:42	SW	Within	No Data	No Data	Yes	No Data	No Data	No Data	Flew round corner and out of view
Clarisford	15/10/2019	SC	MS	Yes	3	17:02	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	3 Juv. Flew across Parteen and landed
Clarisford	15/10/2019	SC	MA	Yes	2	17:11	SW	Within	No Data	No Data	Yes	No Data	No Data	No Data	Flew SW and out of view
Clarisford	15/10/2019	SC	MA	Yes	2	17:14	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NE up to Killaloe and Lough Derg
Clarisford	15/10/2019	SC	CA	Yes	1	17:19	SW	Within	No Data	No Data	Yes	No Data	No Data	No Data	Flew round corner and out of view. As 1
Clarisford	15/10/2019	SC	LG	No Data	3	17:19	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Swam into view
Clarisford	15/10/2019	SC	MS	No Data	13	17:31	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Appeared from behind reeds . Swam E across lake
Clarisford	15/10/2019	SC	MS	Yes	2	17:36	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from reeds and flew round corner out of view
Clarisford	15/10/2019	SC	BH	Yes	1	17:41	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NE up to Killaloe and Lough Derg
Clarisford	15/10/2019	SC	BH	Yes	3	17:45	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled above VP and flew on NE
Clarisford	15/10/2019	SC	MS	Yes	2	17:54	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across VP and landed. As 2
Clarisford	15/10/2019	SC	BH	Yes	5	17:57	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NE up to Killaloe and Lough Derg. As 4
Clarisford	15/10/2019	SC	BH	Yes	1	18:01	SW	Within	No Data	No Data	Yes	No Data	No Data	No Data	Flew round corner and out of view. As 1
Clarisford	15/10/2019	SC	BH	Yes	7	18:05	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NE up to Killaloe and Lough Derg. As 4
Clarisford	15/10/2019	SC	BH	Yes	3	18:01	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NE up to Killaloe and Lough Derg. As 4
Clarisford	15/10/2019	SC	BH	Yes	4	18:14	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NE up to Killaloe and Lough Derg. As 4
Clarisford	15/10/2019	SC	BH	Yes	26	18:15	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled above VP and flew on NE. As 10
Clarisford	15/10/2019	SC	BH	Yes	3	18:19	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled above VP and flew on NE. As 10
Clarisford	15/10/2019	SC	BH	Yes	15	18:21	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled above VP and flew on NE. As 10
Clarisford	15/10/2019	SC	H.	Yes	1	18:24	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from reeds and flew round corner out of view. As 8
Flanagans	15/10/2019	LB	BH	Yes	52	16:00	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling and feeding on scraps at Library
Flanagans	15/10/2019	LB	CA	Yes	1	16:03	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	15/10/2019	LB	BH	Yes	2	16:45	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	15/10/2019	LB	BH	Yes	9	16:05	Circling	Within	No Data	No Data	No Data	No Data	No Data	Yes	Circling and feeding over hotel area
Flanagans	15/10/2019	LB	CA	No Data	1	17:01	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	Feeding beneath grill for 20 mins
Flanagans	15/10/2019	LB	BH	Yes	19	17:03	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Over hotel
Flanagans	15/10/2019	LB	LB	Yes	1	17:46	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	15/10/2019	LB	MA	Yes	9	18:00	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	Flying to roost
Flanagans	15/10/2019	LB	BH	Yes	11	18:00	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling for 10 mins
Flanagans	15/10/2019	LB	BH	Yes	19	18:03	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying to roost in LD
Flanagans	15/10/2019	LB	BH	Yes	11	18:31	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying to roost in LD
Flanagans	15/10/2019	LB	BH	Yes	15	18:32	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying to roost in LD
Flanagans	15/10/2019	LB	BH	Yes	11	18:04	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying to roost in LD
Flanagans	15/10/2019	LB	BH	Yes	12	18:43	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying to roost in LD
Flanagans	15/10/2019	LB	BH	Yes	9	18:55	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying to roost in LD
Ardcloony	15/10/2019	KM	BH	Yes	2	19:39	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	On arrival
Ardcloony	15/10/2019	KM	CO	No Data	110	16:33	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Ardcloony	15/10/2019	KM	TU	Yes	80	17:02	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	Mobbed by H.
Ardcloony	15/10/2019	KM	CO	Yes	110	17:02	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	Mobbed by H.

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	15/10/2019	KM	GJ	Yes	4	17:05	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	GJ	Yes	2	17:08	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	GJ	Yes	2	17:12	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	LB	Yes	1	17:15	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	MA	Yes	1	17:19	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	CU	Yes	1	17:03	No Data	Within	No Data	Yes	No Data	No Data	No Data	Yes	No Data
Ardcloony	15/10/2019	KM	GJ	Yes	32	17:38	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	ET	Yes	1	17:49	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	LB	Yes	1	18:23	No Data	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	GJ	Yes	1	18:31	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	15/10/2019	KM	LB	Yes	3	18:49	No Data	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	CA	Yes	1	09:05	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	BH	Yes	5	09:55	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	BH	Yes	2	09:58	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Over hotel
Flanagans	16/10/2019	LB	BH	No Data	10	10:00	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoons and flying
Flanagans	16/10/2019	LB	BH	No Data	7	10:05	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	Between promenade and bridge/pontoon
Flanagans	16/10/2019	LB	BH	No Data	3	10:01	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Flanagans	16/10/2019	LB	BH	No Data	5	10:02	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Flanagans	16/10/2019	LB	BH	Yes	4	10:03	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Over hotel
Flanagans	16/10/2019	LB	BH	No Data	12	10:35	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	On pontoon
Flanagans	16/10/2019	LB	BH	Yes	2	10:45	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	CA	Yes	3	10:55	S	Within	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Flanagans	16/10/2019	LB	MA	Yes	11	11:00	No Data	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	BH	No Data	5	11:05	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing
Flanagans	16/10/2019	LB	LB	No Data	1	11:05	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing
Flanagans	16/10/2019	LB	BH	Yes	2	11:15	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	BH	Yes	2	11:18	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	CA	Yes	1	11:25	S	Within	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Flanagans	16/10/2019	LB	BH	No Data	9	11:35	Present	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoon
Flanagans	16/10/2019	LB	CA	Yes	1	11:36	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	CA	Yes	1	11:45	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	16/10/2019	LB	BH	Yes	11	11:46	Present	Within	No Data	No Data	No Data	No Data	No Data	No Data	Dip feeding under bridge
Flanagans	16/10/2019	LB	BH	Yes	4	12:05	Present	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling around harbour
Flanagans	16/10/2019	LB	BH	Yes	8	12:02	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Dip feeding
Flanagans	16/10/2019	LB	BH	Yes	36	12:03	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flying around bridge
Flanagans	16/10/2019	LB	BH	Yes	9	12:35	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	BH following CA
Flanagans	16/10/2019	LB	CA	Yes	1	12:35	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling
Ardcloony	16/10/2019	SC	BH	Yes	2	15:14	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S, flew over dam and out of view
Ardcloony	16/10/2019	SC	BH	Yes	1	16:16	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S, flew over bank and out of view
Ardcloony	16/10/2019	SC	CA	Yes	1	15:25	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE, circled and landed on the islands
Ardcloony	16/10/2019	SC	TU	Yes	120	15:31	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from lake and landed near far bank

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	16/10/2019	SC	CA	Yes	1	15:04	SE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew SW across lake and landed near far bank
Ardcloony	16/10/2019	SC	CA	Yes	1	15:45	N & NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, then veered NW and out of view
Ardcloony	16/10/2019	SC	TU	Yes	100	15:46	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew NW and out of view
Ardcloony	16/10/2019	SC	CA	Yes	1	15:52	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S, flew over dam and out of view. As 1
Ardcloony	16/10/2019	SC	CA	Yes	1	15:57	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from water and flew NE before landing on water
Ardcloony	16/10/2019	SC	CA	Yes	1	16:08	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from lake and flew W out of view
Ardcloony	16/10/2019	SC	CA	Yes	1	16:12	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew over islands to N and landed out of view
Ardcloony	16/10/2019	SC	CA	Yes	1	16:15	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, then veered NW and out of view. As 6
Ardcloony	16/10/2019	SC	CA	Yes	1	16:18	NE	Within	No Data	No Data	No Data	No Data	Yes	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	CA	Yes	1	16:19	S	Within	No Data	No Data	No Data	No Data	Yes	No Data	Flew S and landed on buoy (orange)
Ardcloony	16/10/2019	SC	CA	Yes	1	16:24	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew s and landed on water N of orange buoy.
Ardcloony	16/10/2019	SC	CA	Yes	1	16:31	NE	Within	No Data	No Data	No Data	No Data	Yes	No Data	Flew S and landed on water. As 14
Ardcloony	16/10/2019	SC	CA	Yes	1	16:38	NE	Within	No Data	No Data	No Data	No Data	Yes	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	CA	Yes	1	16:39	NE	Within	No Data	No Data	No Data	No Data	Yes	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	TU	Yes	500	16:44	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew from W, circled and landed on lake in groups of circa 100 in different areas of the lake.
Ardcloony	16/10/2019	SC	CA	Yes	1	16:05	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, then veered NW and out of view. As 6
Ardcloony	16/10/2019	SC	CA	Yes	1	16:54	NE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	BH	Yes	1	16:55	S	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew S and over VP and out of view over dam
Ardcloony	16/10/2019	SC	CA	Yes	1	17:05	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	CA	Yes	1	17:07	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	TU	Yes	60	17:09	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off and went out of view. As 7
Ardcloony	16/10/2019	SC	CA	Yes	1	17:11	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew S and landed on buoy (orange). As 14
Ardcloony	16/10/2019	SC	BH	Yes	1	17:13	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew over dam, circled and landed
Ardcloony	16/10/2019	SC	BH	Yes	1	17:14	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew over lake and out of view. As 9
Ardcloony	16/10/2019	SC	BH	Yes	1	17:23	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N and out of view
Ardcloony	16/10/2019	SC	BH	Yes	2	17:25	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew N and out of view towards LD
Ardcloony	16/10/2019	SC	CA	Yes	1	17:03	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE, circled and landed on the islands. As 3
Ardcloony	16/10/2019	SC	CA	Yes	1	17:32	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE, circled and landed on the islands. As 3
Clarisford	16/10/2019	SC	CA	Yes	1	10:09	SW	Within	No Data	No Data	No Data	Yes	Yes	No Data	Took off from rock and flew SW out of view
Clarisford	16/10/2019	SC	CA	Yes	1	10:11	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew SW out of view
Clarisford	16/10/2019	SC	MS	Yes	3	10:15	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Took off from in front of VP and flew SW out of view
Clarisford	16/10/2019	SC	MH	Yes	2	10:26	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew in front of VP and landed
Clarisford	16/10/2019	SC	BH	Yes	4	10:42	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew high in front of VP, commuting NE
Clarisford	16/10/2019	SC	BH	Yes	2	10:55	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew high in front of VP, commuting NE. As 5
Clarisford	16/10/2019	SC	CA	Yes	1	11:09	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from lake and flew W out of view
Clarisford	16/10/2019	SC	CA	Yes	1	11:11	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S and landed

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	16/10/2019	SC	BH	Yes	1	11:15	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew high in front of VP, commuting NE. As 5
Clarisford	16/10/2019	SC	CA	Yes	1	11:24	W	Within	No Data	No Data	No Data	Yes	No Data	No Data	Took off from lake and flew W out of view. As 7
Clarisford	16/10/2019	SC	MA	Yes	1	11:31	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew SW and landed on water near reeds
Clarisford	16/10/2019	SC	BH	Yes	1	11:35	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew SW out of view. As 2
Clarisford	16/10/2019	SC	MS	Yes	2	11:38	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew SW and landed on water near reeds
Clarisford	16/10/2019	SC	BH	Yes	1	11:45	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting SW
Clarisford	16/10/2019	SC	BH	Yes	1	12:01	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting SW. As 14
Clarisford	16/10/2019	SC	MA	Yes	3	12:08	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew SW, circled and returned NE
Clarisford	16/10/2019	SC	BH	Yes	1	12:09	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew high in front of VP, commuting NE. As 5
Clarisford	16/10/2019	SC	BH	Yes	1	12:09	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew SW out of view. As 2
Clarisford	16/10/2019	SC	BH	Yes	1	12:01	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting SW. As 14
Clarisford	16/10/2019	SC	CA	Yes	1	12:19	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flying N, circled over VP and continued N
Clarisford	16/10/2019	SC	MS	Yes	4	12:02	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from reeds, circled and landed
Clarisford	16/10/2019	SC	H.	Yes	1	12:02	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew E across lough and out of view
Clarisford	16/10/2019	SC	BH	Yes	2	12:31	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting SW. As 14
Clarisford	16/10/2019	SC	TU	Yes	30	12:35	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Took off from lake, circled and flew SW out of view
Clarisford	16/10/2019	SC	BH	Yes	1	12:37	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Commuting SW. As 14
Clarisford	16/10/2019	SC	MS	Yes	4	12:41	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from reeds, flew S and landed in middle of lake
Clarisford	16/10/2019	SC	CA	Yes	1	12:46	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting. As 5.
Clarisford	16/10/2019	SC	H.	Yes	1	12:48	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew SW and landed on water near reeds. As 11
Clarisford	16/10/2019	SC	H.	Yes	1	12:48	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled in front of VP and flew E
Clarisford	16/10/2019	SC	BH	Yes	3	12:59	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew high in front of VP, commuting NE. As 5
Clarisford	16/10/2019	SC	BH	Yes	1	13:02	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew SW out of view. As 2
Ardcloony	13/11/2019	JM	TU	No Data	66	07:02	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Flock roosting
Ardcloony	13/11/2019	JM	MS	No Data	4	07:04	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	On lake
Ardcloony	13/11/2019	JM	TU	No Data	8	07:05	N	Within	No Data	Yes	No Data	No Data	Yes	No Data	Flying N
Ardcloony	13/11/2019	JM	CA	Yes	2	08:02	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Ardcloony	13/11/2019	JM	GG	No Data	2	08:03	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	13/11/2019	JM	TU	No Data	159	08:04	No Data	No Data	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Ardcloony	13/11/2019	JM	L.	No Data	25	08:05	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Flock roosting
Ardcloony	13/11/2019	JM	CU	No Data	2	09:00	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Roosting
Ardcloony	13/11/2019	JM	LB	No Data	2	09:00	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Foraging
Ardcloony	13/11/2019	JM	MA	No Data	10	09:00	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Flock roosting
Ardcloony	13/11/2019	JM	BH	No Data	4	09:02	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Roosting
Flanagans	13/11/2019	LB	BH	Yes	41	07:25	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	3	07:03	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	13	07:35	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	CA	Yes	1	07:35	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	GG	No Data	3	07:04	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	Feeding for one hour in same place
Flanagans	13/11/2019	LB	CA	Yes	2	07:45	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Flanagans	13/11/2019	LB	BH	No Data	8	07:05	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoon
Flanagans	13/11/2019	LB	BH	Yes	7	07:55	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling over Parteen
Flanagans	13/11/2019	LB	CA	Yes	3	07:55	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flying low in circles, fishing
Flanagans	13/11/2019	LB	BH	Yes	3	08:00	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	23	08:01	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling over pontoon
Flanagans	13/11/2019	LB	BH	Yes	2	08:01	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	MA	Yes	5	08:01	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	CA	No Data	2	08:15	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	17	08:02	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	34	08:25	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	CA	Yes	1	08:03	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	No Data	12	08:05	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoon
Flanagans	13/11/2019	LB	CA	Yes	1	08:55	W	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	MH	Yes	1	08:55	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	On pontoon with BH
Flanagans	13/11/2019	LB	WS	Yes	1	09:05	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Fly through and out of view
Flanagans	13/11/2019	LB	BH	Yes	9	09:01	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	3	09:45	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	13/11/2019	LB	BH	Yes	6	09:05	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling around pontoon, feeding
Clarisford	13/11/2019	SC	H.	Yes	1	07:24	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew in front of VP and landed in reeds
Clarisford	13/11/2019	SC	WS	Yes	6	07:36	S	Within	No Data	No Data	No Data	Yes	No Data	Yes	Flew S over dam and out of view
Clarisford	13/11/2019	SC	Swan	Yes	2	07:38	SE	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew across lake, se, over dam and out of view
Clarisford	13/11/2019	SC	BH	Yes	7	07:42	SE	Within	No Data	No Data	Yes	No Data	No Data	No Data	Commuting s, turned SW
Clarisford	13/11/2019	SC	Swan	Yes	2	07:44	SE	Within	No Data	No Data	No Data	Yes	No Data	No Data	Flew across lake, SE, over dam and out of view. As 3
Clarisford	13/11/2019	SC	BH	Yes	2	07:46	SW	Within	No Data	No Data	Yes	No Data	No Data	No Data	Commuting
Clarisford	13/11/2019	SC	CA	Yes	2	07:48	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting NE
Clarisford	13/11/2019	SC	MA	Yes	2	08:00	SW	Within	No Data	No Data	Yes	No Data	No Data	No Data	Commuting. As 6
Clarisford	13/11/2019	SC	BH	Yes	12	08:15	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting. As 6
Clarisford	13/11/2019	SC	WS	Yes	2	08:29	SE	Within	No Data	No Data	No Data	Yes	No Data	Yes	Flew across lake, SE, over dam and out of view. As 3
Clarisford	13/11/2019	SC	CA	Yes	1	08:31	NW	Within	No Data	No Data	No Data	No Data	Yes	No Data	Flew across lake and landed on water, then onto rock
Clarisford	13/11/2019	SC	CA	Yes	1	08:53	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting NE. As 7
Clarisford	13/11/2019	SC	CA	Yes	1	08:54	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting NE. As 7
Clarisford	13/11/2019	SC	BH	Yes	4	08:55	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting. As 6
Clarisford	13/11/2019	SC	CA	Yes	1	08:56	NE	No Data	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Clarisford	13/11/2019	SC	CA	Yes	1	09:24	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew from perch, 11, and turned NE out of view
Clarisford	13/11/2019	SC	KF	Yes	1	09:36	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flashed past VP into reeds
Clarisford	13/11/2019	SC	BH	Yes	4	09:38	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting NE. As 7
Clarisford	13/11/2019	SC	KF	Yes	1	09:04	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Assume same bird as 17 as flew back
Flanagans	14/11/2019	LB	BH	No Data	9	09:00	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoon
Flanagans	14/11/2019	LB	CA	No Data	1	09:05	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Perched till 9.4
Flanagans	14/11/2019	LB	GG	No Data	2	09:02	No Data	Within	No Data	No Data	No Data	No Data	Swimming	No Data	Present on water till 11.4
Flanagans	14/11/2019	LB	MA	Yes	1	09:03	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Flanagans	14/11/2019	LB	BH	Yes	2	09:03	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	CA	Yes	1	09:04	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	BH	No Data	5	09:05	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoon
Flanagans	14/11/2019	LB	BH	Yes	1	09:55	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	BH	Yes	3	10:00	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	BH	Yes	5	10:01	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	BH	Yes	1	10:01	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	CA	Yes	1	10:25	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	BH	Yes	11	10:55	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flying around pontoon
Flanagans	14/11/2019	LB	CA	Yes	2	11:15	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	14/11/2019	LB	MA	Yes	4	11:35	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Landed on pontoon
Flanagans	14/11/2019	LB	CA	No Data	1	11:45	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Perched till 12
Clarisford	14/11/2019	SC	CA	Yes	1	08:01	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting
Clarisford	14/11/2019	SC	MA	Yes	4	08:15	NE	Within	No Data	Yes	No Data	No Data	No Data	Yes	Circled 4 times over reeds to SW of VP and then flew NE
Clarisford	14/11/2019	SC	MA	Yes	2	08:18	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting as 1
Clarisford	14/11/2019	SC	MA	Yes	2	08:29	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting
Clarisford	14/11/2019	SC	Swan	Yes	1	08:37	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting across lake and landed out of view
Clarisford	14/11/2019	SC	BH	Yes	1	08:38	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting slowly. As 1
Clarisford	14/11/2019	SC	BH	Yes	1	08:47	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting slowly. As 1
Clarisford	14/11/2019	SC	CA	Yes	1	09:00	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting as 1
Clarisford	14/11/2019	SC	MA	Yes	9	09:08	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting as 1
Clarisford	14/11/2019	SC	WE	Yes	1	09:01	NE	Within	No Data	Yes	No Data	No Data	Yes	No Data	Flew from SW, circled lake and then landed in tree on far side. White tag on right wing. Mobbed by 4 HC
Clarisford	14/11/2019	SC	WE	Yes	1	09:03	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	No. 10 took off from tree and flew SW across lake and out of view.
Clarisford	14/11/2019	SC	CA	Yes	1	09:33	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew over VP commuting
Clarisford	14/11/2019	SC	BH	Yes	6	09:57	NE	Within	No Data	Yes	No Data	No Data	No Data	Yes	Circled and calling before heading NE out of view
Clarisford	14/11/2019	SC	MS	Yes	3	10:08	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled and landed back on water
Clarisford	14/11/2019	SC	CA	Yes	1	10:09	SW	Within	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Clarisford	14/11/2019	SC	BH	Yes	2	10:42	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Circled and calling before heading NE out of view. As 13
Clarisford	14/11/2019	SC	WE	Yes	1	10:53	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew W across lake and landed in trees out of view. Was carrying something black. Mobbed by RO and BH.
Ardcloony	14/11/2019	SC	CA	Yes	1	13:12	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N and landed on water
Ardcloony	14/11/2019	SC	TU	Yes	2	13:39	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting, turned corner and out of view
Ardcloony	14/11/2019	SC	BH	Yes	6	13:45	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view
Ardcloony	14/11/2019	SC	CA	Yes	1	13:05	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N and out of view
Ardcloony	14/11/2019	SC	CA	Yes	1	14	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N and landed on water, as 1
Ardcloony	14/11/2019	SC	CA	Yes	1	14:05	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N and out of view. As 4
Ardcloony	14/11/2019	SC	BH	Yes	4	14:12	NE	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting
Ardcloony	14/11/2019	SC	CA	Yes	1	14:15	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	MA	Yes	3	14:22	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from corner and flew round it out of view

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	14/11/2019	SC	CA	Yes	1	14:25	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	MA	Yes	2	14:28	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting, turned corner and out of view. As 2
Ardcloony	14/11/2019	SC	MA	Yes	1	14:35	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting, turned corner and out of view. As 2
Ardcloony	14/11/2019	SC	MA	Yes	2	14:46	SE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew from round corner, over dam and out of view
Ardcloony	14/11/2019	SC	BH	Yes	1	14:56	S	Within	No Data	No Data	No Data	Yes	No Data	No Data	Over dam and out of view
Ardcloony	14/11/2019	SC	CA	Yes	1	14:56	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting. As 7
Ardcloony	14/11/2019	SC	L.	Yes	50	15:06	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across lake, up over trees and out of view
Ardcloony	14/11/2019	SC	CA	Yes	1	15:07	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S, circled and landed in trees on island
Ardcloony	14/11/2019	SC	BH	Yes	3	15:17	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting. As 7
Ardcloony	14/11/2019	SC	BH	Yes	4	15:21	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	MA	Yes	2	15:24	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	MA	Yes	1	15:29	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting, turned corner and out of view. As 2
Ardcloony	14/11/2019	SC	BH	Yes	1	13:32	NW	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N and out of view. As 4
Ardcloony	14/11/2019	SC	CA	Yes	1	13:36	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled and landed on trees on island. As 17
Ardcloony	14/11/2019	SC	MA	Yes	2	15:41	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	CA	Yes	1	15:41	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S, circled and landed in trees on island. As 17
Ardcloony	14/11/2019	SC	ET	Yes	1	15:42	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	CA	Yes	1	15:05	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S, circled and landed in trees on island. As 17
Ardcloony	14/11/2019	SC	H.	Yes	1	15:55	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Took off from reeds, over trees and out of view
Ardcloony	14/11/2019	SC	BH	Yes	6	16:00	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	14/11/2019	SC	L.	Yes	50	16:01	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Arose from behind trees, circled and flew N out of view
Ardcloony	14/11/2019	SC	CA	Yes	4	16:08	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew to island and landed
Ardcloony	14/11/2019	SC	BH	Yes	7	16:08	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, turned corner and out of view. As 3
Ardcloony	11/12/2019	KM	MS	No Data	11	14:00	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	LG	No Data	14	14:00	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	BH	No Data	21	14:00	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	MA	No Data	7	14:00	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	CA	No Data	2	14:00	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	BH	Yes	4	14:22	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	Heavy shooting activity throughout survey
Ardcloony	11/12/2019	KM	L.	Yes	6	14:03	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	GG	Yes	3	14:38	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	BH	Yes	27	14:52	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	CA	Yes	1	15:08	No Data	No Data	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	BH	Yes	15	15:23	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	CA	Yes	3	15:51	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	BH	Yes	25	16:01	No Data	No Data	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	BH	Yes	31	16:11	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	11/12/2019	KM	CA	Yes	8	16:13	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	LG	Yes	5	16:18	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	GG	Yes	2	16:18	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	CA	Yes	4	16:22	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/12/2019	KM	CA	No Data	1	16:43	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Yes	No Data
Clarisford	11/12/2019	AB	MA	Yes	8	14:38	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Commuted S and flew around basin landing
Clarisford	11/12/2019	AB	BH	Yes	4	14:29	N	Outside	No Data	Yes	No Data	No Data	No Data	Yes	Commuted N individually
Clarisford	11/12/2019	AB	BH	Yes	1	14:45	N	Outside	No Data	Yes	No Data	No Data	No Data	No Data	Commuted N
Clarisford	11/12/2019	AB	MS	Yes	1	14:45	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight to others
Clarisford	11/12/2019	AB	BH	Yes	1	14:59	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Wandering flight N
Clarisford	11/12/2019	AB	TU	Yes	6	15:02	N/S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N, circling and heading back
Clarisford	11/12/2019	AB	BH	Yes	2	15:15	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S
Clarisford	11/12/2019	AB	BH	Yes	2	15:16	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	1	15:17	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	2	15:17	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	MA	Yes	2	15:22	N/W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Gunshot. Flew N before turning W
Clarisford	11/12/2019	AB	BH	Yes	2	15:27	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	1	15:33	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Wandering flight N
Clarisford	11/12/2019	AB	BH	Yes	13	15:38	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	MA	Yes	4	15:39	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	MA	Yes	2	15:05	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	14	16:00	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	6	16:05	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	10	16:08	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	MA	Yes	6	16:01	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Gunshot. Flew around corner
Clarisford	11/12/2019	AB	BH	Yes	15	16:15	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	3	16:02	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	8	16:21	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S
Clarisford	11/12/2019	AB	MA	Yes	2	16:23	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Spotted flying N along basin edge
Clarisford	11/12/2019	AB	BH	Yes	60	16:39	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	BH	Yes	5	16:44	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	11/12/2019	AB	MA	Yes	2	16:57	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S
Flanagans	11/12/2019	LB	BH	No Data	8	14:00	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on pontoon
Flanagans	11/12/2019	LB	BH	Yes	4	14:05	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	CA	No Data	1	14:01	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Flanagans	11/12/2019	LB	CA	No Data	3	14:15	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	1	14:03	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	1	14:35	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	HG	No Data	2	14:45	No Data	Within	No Data	No Data	No Data	No Data	swim	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	1	14:05	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	1	14:55	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	4	15:00	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Flanagans	11/12/2019	LB	BH	Yes	2	15:01	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	2	15:15	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	3	15:02	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	MA	No Data	3	15:03	No Data	Within	No Data	No Data	No Data	No Data	swim	No Data	No Data
Flanagans	11/12/2019	LB	BH	No Data	21	15:04	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Loafing on roof of boat house
Flanagans	11/12/2019	LB	BH	Yes	1	15:05	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	2	15:55	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	6	16:05	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	BH	Yes	2	16:01	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	BH	Yes	8	16:02	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	BH	Yes	27	16:25	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	BH	Yes	2	16:25	W	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	BH	Yes	45	16:03	W	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	BH	Yes	19	16:35	W	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD.
Flanagans	11/12/2019	LB	MA	Yes	4	16:35	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/12/2019	LB	BH	Yes	16	16:04	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	Steady stream of BH flying from Parteen to LD.
Flanagans	11/12/2019	LB	BH	Yes	32	16:45	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	Steady stream of BH flying from Parteen to LD.
Flanagans	11/12/2019	LB	BH	Yes	21	16:45	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD. Steady stream of BH flying from Parteen to LD. Continued till Dusk
Flanagans	11/12/2019	LB	BH	Yes	26	16:45	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD. Steady stream of BH flying from Parteen to LD. Continued till Dusk
Flanagans	11/12/2019	LB	BH	Yes	20	16:05	No Data	Within	No Data	Yes	No Data	No Data	No Data	No Data	Birds going to roost in LD. Steady stream of BH flying from Parteen to LD. Continued till Dusk
Clarisford	12/12/2019	AB	BH	Yes	1	12:47	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	12/12/2019	AB	MS	Yes	2	13:00	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight
Clarisford	12/12/2019	AB	BH	Yes	1	13:01	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	12/12/2019	AB	TU	Yes	120	13:17	E/W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short circling flight
Clarisford	12/12/2019	AB	BH	Yes	5	13:17	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	12/12/2019	AB	MA	Yes	2	13:18	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S along edge, lost sight
Clarisford	12/12/2019	AB	MA	Yes	3	13:21	E/W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Circling flight
Clarisford	12/12/2019	AB	CA	Yes	2	13:25	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S
Clarisford	12/12/2019	AB	CA	Yes	1	13:27	E/N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Flew N
Clarisford	12/12/2019	AB	BH	Yes	1	13:38	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Slow flight around corner
Clarisford	12/12/2019	AB	TU	Yes	17	13:41	E/W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling flight and landed
Clarisford	12/12/2019	AB	BH	Yes	1	13:43	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S around corner
Clarisford	12/12/2019	AB	MA	Yes	1	13:53	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flying N along edge
Clarisford	12/12/2019	AB	TU	Yes	200	14:07	E/W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short circling flight
Clarisford	12/12/2019	AB	BH	Yes	1	14:17	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner
Clarisford	12/12/2019	AB	BH	Yes	1	14:17	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S along edge towards canal
Clarisford	12/12/2019	AB	BH	Yes	2	14:23	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew S around corner
Clarisford	12/12/2019	AB	MA	Yes	2	14:29	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Flew N from around corner
Clarisford	12/12/2019	AB	CA	Yes	1	14:31	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	12/12/2019	AB	TU	Yes	1	14:34	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight to larger flock
Clarisford	12/12/2019	AB	CA	Yes	1	14:04	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S
Clarisford	12/12/2019	AB	CA	Yes	1	14:42	S/SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flies around corner to bay
Clarisford	12/12/2019	AB	TU	Yes	3	14:53	E/W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Short circling flight
Clarisford	12/12/2019	AB	TU	Yes	2	14:54	E/W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Short circling flight
Clarisford	12/12/2019	AB	BH	Yes	1	15:01	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew S around corner
Clarisford	12/12/2019	AB	BH	Yes	1	15:18	S/N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew onto basin and back again
Ardcloony	12/12/2019	AB	MA	Yes	3	09:00	W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuted W on arrival
Ardcloony	12/12/2019	AB	TU	Yes	10	09:13	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight and large flock
Ardcloony	12/12/2019	AB	TU	Yes	380	09:02	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flock flew around corner
Ardcloony	12/12/2019	AB	GJ	Yes	23	09:27	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S over weir
Ardcloony	12/12/2019	AB	MA	Yes	4	09:34	NE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE
Ardcloony	12/12/2019	AB	BH	Yes	1	09:04	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S
Ardcloony	12/12/2019	AB	TU	Yes	4	09:46	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight
Ardcloony	12/12/2019	AB	BH	Yes	20	09:05	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Seen briefly over canal
Ardcloony	12/12/2019	AB	CA	Yes	1	09:05	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S along water
Ardcloony	12/12/2019	AB	CA	Yes	1	09:05	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuting N
Ardcloony	12/12/2019	AB	MA	Yes	4	09:05	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over canal
Ardcloony	12/12/2019	AB	TU	Yes	4	09:52	S/N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Circled around on basin
Ardcloony	12/12/2019	AB	TU	Yes	100	09:53	SE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew SE and landed
Ardcloony	12/12/2019	AB	TU	Yes	180	09:53	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight W around corner
Ardcloony	12/12/2019	AB	CA	Yes	1	09:56	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuting N
Ardcloony	12/12/2019	AB	H.	Yes	1	10:09	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Seen momentarily over trees behind spit
Ardcloony	12/12/2019	AB	BH	Yes	10	10:09	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S along canal
Ardcloony	12/12/2019	AB	TU	Yes	2	10:38	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Short flight W
Ardcloony	12/12/2019	AB	MA	Yes	3	10:47	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S
Ardcloony	12/12/2019	AB	MA	Yes	4	10:53	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S
Ardcloony	12/12/2019	AB	BH	Yes	3	10:57	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Flew towards spit
Ardcloony	12/12/2019	AB	BH	Yes	1	10:59	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S
Ardcloony	12/12/2019	AB	CA	Yes	2	11:07	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting over weir to island
Ardcloony	12/12/2019	AB	CU	Yes	7	11:15	NW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commute to spit
Ardcloony	12/12/2019	AB	MA	Yes	6	11:33	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S
Ardcloony	12/12/2019	AB	BH	Yes	4	11:45	E/S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew towards canal, turning S
Ardcloony	12/12/2019	AB	MS	Yes	4	11:51	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew W around corner
Ardcloony	12/12/2019	AB	MS	Yes	1	11:57	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew N over weir and landed due N
Ardcloony	12/12/2019	AB	CA	Yes	1	11:57	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to island
Flanagans	12/12/2019	LB	BH	Yes	26	08:04	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flying around /feeding
Flanagans	12/12/2019	LB	BH	Yes	58	08:05	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Same area/ group
Flanagans	12/12/2019	LB	BH	Yes	16	08:55	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/12/2019	LB	BH	Yes	8	09:05	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/12/2019	LB	BH	Yes	9	09:01	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/12/2019	LB	BH	Yes	21	09:02	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Flanagans	12/12/2019	LB	MA	No Data	3	09:25	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Same location as 11/12
Flanagans	12/12/2019	LB	MS	No Data	3	09:35	S	Within	No Data	No Data	Yes	No Data	Swim	No Data	3 Juv. Swim towards Parteen
Flanagans	12/12/2019	LB	BH	Yes	2	09:05	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/12/2019	LB	BH	No Data	18	10:01	No Data	Within	No Data	No Data	Yes	No Data	Yes	No Data	Perched on boat house by the bridge
Flanagans	12/12/2019	LB	CA	No Data	1	10:03	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Present for 1.5 hrs. on same post feeding at interims
Flanagans	12/12/2019	LB	MA	No Data	8	10:03	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	Same area as 9.25 above
Flanagans	12/12/2019	LB	CA	Yes	1	10:04	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/12/2019	LB	CA	Yes	1	11:02	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	21/01/2020	AB	MS	Yes	2	11:16	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across basin landing near spit 1m (12s)
Ardcloony	21/01/2020	AB	BH	Yes	6	11:19	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across basin landing near spit 2m (40s)
Ardcloony	21/01/2020	AB	BH	Yes	6	11:25	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Flew over weir flying 5-10 m (110s)
Ardcloony	21/01/2020	AB	BH	Yes	1	11:04	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Same flightline as above 2-5m (50s)
Ardcloony	21/01/2020	AB	BH	Yes	3	12:36	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N over weir and spit 3m (40s)
Ardcloony	21/01/2020	AB	BH	Yes	18	12:43	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N over weir and spit 2-4m (60s)
Ardcloony	21/01/2020	AB	TU	Yes	15	12:55	N/W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Alighted and flew around spit 1m (10s)
Ardcloony	21/01/2020	AB	BH	Yes	8	13:06	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N over weir and spit 2m (30s)
Ardcloony	21/01/2020	AB	L.	Yes	50	13:07	SE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Alighted and flew SE to ESB, lands 10m (20s)
Ardcloony	21/01/2020	AB	CA	Yes	1	13:07	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S over weir 10m (30s)
Ardcloony	21/01/2020	AB	BH	Yes	9	13:09	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N to spit 2m (25s)
Ardcloony	21/01/2020	AB	BH	Yes	13	13:37	E/W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Mobbing otter. Return to spit 2m (90s)
Ardcloony	21/01/2020	AB	TU	Yes	25	13:55	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew from behind spit to front at 2m (12s)
Ardcloony	22/01/2020	AB	GJ	Yes	2	07:38	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S from basin
Ardcloony	22/01/2020	AB	GJ	Yes	8	07:52	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S from basin
Ardcloony	22/01/2020	AB	BH	Yes	1	07:54	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N to spit
Ardcloony	22/01/2020	AB	TU	Yes	16	08:00	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N within basin
Ardcloony	22/01/2020	AB	CA	Yes	2	08:00	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Alighted and commuted S over weir
Ardcloony	22/01/2020	AB	CA	Yes	1	08:04	SW	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuted SW
Ardcloony	22/01/2020	AB	TU	Yes	4	08:07	N	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted N within basin
Ardcloony	22/01/2020	AB	GJ	Yes	9	08:01	N	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Alighted and commuted S over weir
Ardcloony	22/01/2020	AB	TU	Yes	6	08:01	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to western shore
Ardcloony	22/01/2020	AB	GJ	Yes	3	08:14	S	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuted S over canal
Ardcloony	22/01/2020	AB	GJ	Yes	4	08:15	S	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Alighted and flew S over ESB
Ardcloony	22/01/2020	AB	CA	Yes	1	08:21	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Alighted near spit and flew S over weir
Ardcloony	22/01/2020	AB	BH	Yes	7	08:21	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted from spit over weir
Ardcloony	22/01/2020	AB	GJ	Yes	3	08:21	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S following canal
Ardcloony	22/01/2020	AB	TU	Yes	4	08:22	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted from S of basin to N
Ardcloony	22/01/2020	AB	MA	Yes	2	08:22	SW	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Alighted from basin and flew SW over basin
Ardcloony	22/01/2020	AB	GJ	Yes	16	08:27	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Alighted from W shore and flew over conifers to SE
Ardcloony	22/01/2020	AB	BH	Yes	54	08:27	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S over basin and weir
Ardcloony	22/01/2020	AB	BH	Yes	16	08:27	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S over basin and weir

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	22/01/2020	AB	MS	Yes	2	08:28	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Flew N over weir, landing in basin
Ardcloony	22/01/2020	AB	CA	Yes	2	08:05	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S over weir
Ardcloony	22/01/2020	AB	MA	Yes	1	08:51	SW	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Alighted from spit and flew SW
Ardcloony	22/01/2020	AB	BH	Yes	6	08:51	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted from behind spit over weir
Ardcloony	22/01/2020	AB	GJ	Yes	2	09:00	W/S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Flew W over conifers turning S following canal
Ardcloony	22/01/2020	AB	BH	Yes	1	09:00	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted from spit over weir
Ardcloony	22/01/2020	AB	ET	Yes	1	09:02	W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Circles from behind weir to W
Ardcloony	22/01/2020	AB	BH	Yes	6	09:02	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N to spit
Ardcloony	22/01/2020	AB	BH	Yes	3	09:21	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted from spit over weir
Ardcloony	22/01/2020	AB	MA	Yes	2	09:27	W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Circled from behind spit, turning W
Ardcloony	22/01/2020	AB	CA	Yes	1	09:29	N	Outside	No Data	Yes	No Data	No Data	No Data	No Data	Commuted N at 0m, raises to 5m past islands (20s)
Ardcloony	22/01/2020	AB	L.	Yes	25	09:03	W	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Flew W at 0m to other at spit. Circle and land (110s)
Ardcloony	22/01/2020	AB	BH	Yes	3	09:39	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted from spit over weir
Ardcloony	22/01/2020	AB	CA	Yes	1	09:54	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N at 0m (25s)
Ardcloony	22/01/2020	AB	BH	Yes	3	10:08	W	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted to spit at 2m (20s)
Ardcloony	22/01/2020	AB	MS	Yes	2	10:13	SE	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuted SE at 4m. Lost sight behind trees (20s)
Ardcloony	22/01/2020	AB	GJ	Yes	2	10:22	SE	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuted SE at 4m. Lost sight behind trees (30s)
Ardcloony	22/01/2020	AB	BH	Yes	11	10:24	S	Outside	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S at 40m (35s)
Ardcloony	22/01/2020	AB	CA	Yes	2	10:03	NW	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted NW at 40m (30s)
Clarisford	23/01/2020	AB	SN	Yes	1	07:04	No Data	Outside	No Data	No Data	No Data	No Data	No Data	Yes	On arrival. SN chipping over field SW to VP
Clarisford	23/01/2020	AB	MA	Yes	2	07:47	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Flew around corner at 2m (10s)
Clarisford	23/01/2020	AB	TU	Yes	2	07:58	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Start flight at 1m to front of VP
Clarisford	23/01/2020	AB	BH	Yes	7	08:15	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Singular flights heading N at 2m (100s)
Clarisford	23/01/2020	AB	BH	Yes	2	08:25	S	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted S at 3m (20s)
Clarisford	23/01/2020	AB	MA	Yes	2	08:41	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew into reed bed at 1m (10s)
Clarisford	23/01/2020	AB	BH	Yes	14	08:47	SW	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted SW at 2m (70s)
Clarisford	23/01/2020	AB	MA	Yes	2	08:47	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to reed bed at 2m (11s)
Clarisford	23/01/2020	AB	KF	Yes	1	08:47	NE	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted around bed at 2m (5s)
Clarisford	23/01/2020	AB	MA	Yes	5	08:56	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Circles and flew W at 4m (30s)
Clarisford	23/01/2020	AB	CA	Yes	1	09:00	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew S at 0m and landed (8s)
Clarisford	23/01/2020	AB	BH	Yes	3	09:17	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted at 2m (30s)
Clarisford	23/01/2020	AB	CA	Yes	1	09:39	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew from post into reed bed at 2m (10s)
Clarisford	23/01/2020	AB	BH	Yes	2	09:45	SW/W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner continued W at 2m (8s)
Clarisford	23/01/2020	AB	BH	Yes	2	09:57	SW/W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner continued W at 2m (10s)
Clarisford	23/01/2020	AB	TU	Yes	1	10:11	N	Outside	No Data	Yes	No Data	No Data	No Data	No Data	Short flight around corner at 0m (10s), landed
Clarisford	31/01/2020	AB	BH	No Data	30	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Constantly foraging in area - approximate
Clarisford	31/01/2020	AB	BH	Yes	16	12:12	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N at 10m (80s)
Clarisford	31/01/2020	AB	BH	Yes	23	12:15	S	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted S over reedbeds at 20m (30s)
Clarisford	31/01/2020	AB	BH	Yes	2	12:15	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted E across basin at 5m (25s)
Clarisford	31/01/2020	AB	CA	Yes	1	12:16	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew N along surface. Landed (20s)

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	31/01/2020	AB	BH	Yes	27	12:18	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted along canal at 10m (15s)
Clarisford	31/01/2020	AB	BH	Yes	1	12:38	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted N at 15m (18s)
Clarisford	31/01/2020	AB	BH	Yes	7	12:47	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted to E bank (ESB) where others were foraging 2m (20s)
Clarisford	31/01/2020	AB	BH	Yes	2	12:51	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N at 20m (15s)
Clarisford	31/01/2020	AB	BH	Yes	2	13:08	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted N at 10m (15s)
Clarisford	31/01/2020	AB	MA	Yes	3	13:08	S/W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Alight circle and fly W at 15m (40s)
Clarisford	31/01/2020	AB	HG	Yes	1	13:01	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting at 8m (20s)
Clarisford	31/01/2020	AB	CA	Yes	2	13:27	S	No Data	No Data	Yes	Yes	No Data	No Data	No Data	Flew S, landing on pontoon at 2m (30s)
Clarisford	31/01/2020	AB	KF	Yes	1	13:27	W	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Flew W at 1m (10s)
Clarisford	31/01/2020	AB	BH	Yes	1	13:42	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N at 10m (25s)
Clarisford	31/01/2020	AB	CA	Yes	1	13:46	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Alighted and flew S at 1m
Clarisford	31/01/2020	AB	BH	Yes	5	13:57	S/W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner and continued W at 5m (15s)
Clarisford	31/01/2020	AB	BH	Yes	7	13:57	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N at 1m (15s)
Clarisford	31/01/2020	AB	BH	Yes	20	14:01	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N at 1m (10s)
Clarisford	31/01/2020	AB	CA	Yes	1	14:01	S/N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Flew S turning N into wind at 5m (15s)
Clarisford	31/01/2020	AB	BH	Yes	5	14:27	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N with wind at 1m (10s)
Clarisford	31/01/2020	AB	BH	Yes	6	14:32	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N with wind at 1m (10s)
Clarisford	31/01/2020	AB	BH	Yes	5	14:45	S/E	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Struggling at 1m to fly into wind, land (180s)
Ardcloony	11/02/2020	AB	BH	Yes	75	15:56	S/NE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Foraging over canal @ 30m (20s)
Ardcloony	11/02/2020	AB	CA	Yes	4	15:57	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting along canal @ 60m (30s)
Ardcloony	11/02/2020	AB	GJ	Yes	14	15:57	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Alighted from E Parteen, circled and flew E @20m (90s)
Ardcloony	11/02/2020	AB	BH	Yes	6	15:59	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted over to E bank @4m (15s)
Ardcloony	11/02/2020	AB	H.	Yes	1	16:03	N	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Alights from trees and flies N @20m (20s)
Ardcloony	11/02/2020	AB	GJ	Yes	2	16:11	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S @ 20m (40s)
Ardcloony	11/02/2020	AB	CA	Yes	1	16:11	W/N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Alighted and circled N @ 10m (600s)
Ardcloony	11/02/2020	AB	TU	Yes	14	16:17	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across basin @ 1m (50s)
Ardcloony	11/02/2020	AB	CA	Yes	2	16:21	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N over weir to island @15m (90s)
Ardcloony	11/02/2020	AB	BH	Yes	8	16:24	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N over E bank to others @10m (110s)
Ardcloony	11/02/2020	AB	GJ	Yes	3	16:27	NW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew NW from behind spit @15m (10s)
Ardcloony	11/02/2020	AB	CA	Yes	1	16:35	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S from island over weir @30m (80s)
Ardcloony	11/02/2020	AB	CA	Yes	1	16:47	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to island @20m (30s)
Ardcloony	11/02/2020	AB	BH	Yes	85	16:47	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Foraging flight over basin @10-30m (200s)
Ardcloony	11/02/2020	AB	BH	Yes	44	16:47	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Foraging flight over basin @0-40m (180s)
Ardcloony	11/02/2020	AB	BH	Yes	152	16:55	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Foraging flight over basin @0-40m (185s)
Ardcloony	11/02/2020	AB	GJ	Yes	2	17:06	NE	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuting @ 20m (30s)
Ardcloony	11/02/2020	AB	BH	Yes	220	17:01	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Foraging flight as per No 12 @0-40m (200s)
Ardcloony	11/02/2020	AB	BH	Yes	214	17:17	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Foraging flight as per No 12 @0-40m (300s)
Ardcloony	11/02/2020	AB	L.	Yes	16	17:03	E/W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circled from spit :2m (30s)
Ardcloony	11/02/2020	AB	CA	Yes	1	17:32	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to island @2-10m (15s)

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	11/02/2020	AB	CA	Yes	2	17:35	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to island @2-10m (15s)
Ardcloony	11/02/2020	AB	CA	Yes	3	17:37	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N to island @2-10m (15s)
Ardcloony	11/02/2020	AB	GJ	Yes	3	18:05	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted over weir to base of islands
Ardcloony	11/02/2020	AB	SN	No Data	2	18:27	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Yes	Chirping behind VP in field
Ardcloony	12/02/2020	AB	TU	Yes	79	09:00	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flushed from VP, flew N @0m (30s)
Ardcloony	12/02/2020	AB	GJ	Yes	12	09:19	NW	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Landed near islands on Parteen
Ardcloony	12/02/2020	AB	BH	Yes	6	09:24	S	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S/SW @2-5m (180s)
Ardcloony	12/02/2020	AB	GJ	Yes	11	09:29	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted over weir
Ardcloony	12/02/2020	AB	CA	Yes	1	09:29	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted to island
Ardcloony	12/02/2020	AB	GJ	Yes	2	09:41	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted S
Ardcloony	12/02/2020	AB	MA	Yes	2	09:41	NE	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted Ne, landed in basin
Ardcloony	12/02/2020	AB	CU	Yes	3	09:05	NE	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew from spit to field with others
Ardcloony	12/02/2020	AB	CA	Yes	1	10:02	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew to island and landed
Ardcloony	12/02/2020	AB	H.	Yes	1	11:03	NW	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Commuting @ 80m
Ardcloony	12/02/2020	AB	TU	Yes	15	11:06	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across basin @0m
Ardcloony	12/02/2020	AB	TU	Yes	11	11:02	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight @0m
Ardcloony	12/02/2020	AB	CA	Yes	1	11:37	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuted N and landed
Ardcloony	12/02/2020	AB	CA	Yes	1	11:05	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S @ 40m
Clarisford	13/02/2020	AB	KF	Yes	1	19:09	W	Within	No Data	Yes	No Data	No Data	No Data	No Data	Commuted across basin @ 5m (152)
Clarisford	13/02/2020	AB	BH	Yes	7	16:15	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	11	16:16	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	13	16:17	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	2	16:22	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	11	16:35	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	16	16:39	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	15	16:55	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	17	17:01	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	8	17:08	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	25	17:09	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	8	17:13	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	120	17:15	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	90	17:02	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	230	17:21	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	BH	Yes	73	17:28	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	KF	Yes	1	17:31	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted across basin @ 1m
Clarisford	13/02/2020	AB	BH	Yes	12	17:33	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10 m
Clarisford	13/02/2020	AB	KF	Yes	1	17:35	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Commuted across basin @ 1m
Clarisford	13/02/2020	AB	BH	Yes	80	17:36	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	13/02/2020	AB	BH	Yes	125	17:37	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N
Clarisford	13/02/2020	AB	CA	Yes	1	17:47	SW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight @ 0m
Clarisford	13/02/2020	AB	BH	Yes	30	17:59	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 10-15 m
Clarisford	13/02/2020	AB	SN	No Data	1	18:16	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Yes	Calling

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	13/02/2020	AB	H.	Yes	1	10:45	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Alighted and flew N around corner @1m (8s)
Clarisford	13/02/2020	AB	H.	Yes	1	10:48	S/W	Witihin	No Data	No Data	No Data	No Data	No Data	No Data	Short flight @1m (5s)
Clarisford	13/02/2020	AB	BH	Yes	1	11:02	S/N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Foraging, flew S turning back N @4m (25s)
Clarisford	13/02/2020	AB	BH	Yes	1	11:08	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @10m (25s)
Clarisford	13/02/2020	AB	TU	Yes	2	11:17	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flight @0m across basin to others
Clarisford	13/02/2020	AB	MA	Yes	2	11:21	W	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew across basin @5m (15s)
Clarisford	13/02/2020	AB	CA	Yes	1	11:03	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting @20m (50s)
Clarisford	13/02/2020	AB	BH	Yes	1	11:37	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @15m
Clarisford	13/02/2020	AB	BH	Yes	1	11:39	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @15m
Clarisford	13/02/2020	AB	BH	Yes	1	11:46	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @15m
Clarisford	13/02/2020	AB	TU	Yes	28	11:52	N/S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flushed by dinghy at full speed
Clarisford	13/02/2020	AB	CA	Yes	2	11:54	N	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flushed by dinghy at full speed
Clarisford	13/02/2020	AB	CA	Yes	3	12:03	NE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flushed by boat, flew over forest
Clarisford	13/02/2020	AB	TU	Yes	28	12:03	N/S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flushed by boat, circled
Clarisford	13/02/2020	AB	CA	Yes	1	12:04	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flushed, flew N @60m
Clarisford	13/02/2020	AB	TU	Yes	28	12:05	N/S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flushed by boat
Clarisford	13/02/2020	AB	TU	Yes	6	12:06	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flushed by boat
Clarisford	13/02/2020	AB	CA	Yes	1	12:25	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Boat returns, flushed N
Clarisford	13/02/2020	AB	CA	Yes	1	12:25	NW	Within	No Data	No Data	No Data	No Data	No Data	No Data	Boat returns, flushed NW
Clarisford	13/02/2020	AB	TU	Yes	11	12:32	S	Within	No Data	No Data	No Data	No Data	No Data	No Data	Short flight within basin
Clarisford	13/02/2020	AB	BH	Yes	11	12:36	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N wandering flight @10-15m
Clarisford	13/02/2020	AB	BH	Yes	12	12:51	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N wandering flight @10-15m
Clarisford	13/02/2020	AB	BH	Yes	1	13:15	S	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuting S
Clarisford	13/02/2020	AB	BH	Yes	8	13:24	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @20m
Clarisford	13/02/2020	AB	BH	Yes	6	13:26	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @20m wandering flight
Clarisford	13/02/2020	AB	BH	Yes	3	13:38	S	No Data	No Data	No Data	Yes	No Data	No Data	No Data	Commuting S over basin @110m
Ardcloony	10/03/2020	AB	TU	No Data	110	11:00	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	10/03/2020	AB	MS	No Data	7	11:00	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	2 cygnets
Ardcloony	10/03/2020	AB	BH	No Data	1	11:00	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	10/03/2020	AB	ET	No Data	1	11:00	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	10/03/2020	AB	BH	Yes	1	11:32	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flying S against winds @30m (40s)
Ardcloony	10/03/2020	AB	BH	Yes	5	01:33	NW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE @ 40 m (15s)
Ardcloony	10/03/2020	AB	CA	Yes	1	11:35	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 60m (25s)
Ardcloony	10/03/2020	AB	BZ	Yes	3	11:37	W	Outside	No Data	No Data	No Data	No Data	No Data	No Data	Circling and calling to W of VP
Ardcloony	10/03/2020	AB	H.	Yes	1	11:48	SE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted S turning and across basin @35m (11s)
Ardcloony	10/03/2020	AB	LB	Yes	2	11:49	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting along canal then N to Derg @ 20m (30s)
Ardcloony	10/03/2020	AB	CA	Yes	1	11:58	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew N landed
Ardcloony	10/03/2020	AB	BH	Yes	13	11:59	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N @ 40m (50s)
Ardcloony	10/03/2020	AB	CA	Yes	1	12:00	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuting S @ 30m (30s)
Ardcloony	10/03/2020	AB	CA	Yes	1	12:00	S	Within	No Data	No Data	No Data	Yes	No Data	No Data	Alights and follows @ 20 m (10s)
Ardcloony	10/03/2020	AB	CA	Yes	1	12:11	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew low across basin from canal (0m @ 40s)

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	10/03/2020	AB	L.	Yes	2	12:11	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew low across basin from canal (0m @ 20s)
Ardcloony	10/03/2020	AB	CA	Yes	2	12:15	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 40 m (30s)
Ardcloony	10/03/2020	AB	CA	Yes	1	12:20	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting at 40 m
Ardcloony	10/03/2020	AB	LB	Yes	2	12:20	N/NE	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting at 10m
Ardcloony	10/03/2020	AB	BH	Yes	5	12:22	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting at 10m (40s)
Ardcloony	10/03/2020	AB	CA	Yes	2	12:24	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuting N @ 60 m (23s)
Ardcloony	10/03/2020	AB	CA	Yes	1	12:29	S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted along canal @ 5-10m (20s)
Ardcloony	10/03/2020	AB	CA	Yes	1	12:30	SW	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Commuted at 30m (20s)
Ardcloony	10/03/2020	AB	MA	Yes	1	12:56	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Male commuting after alighting from lake
Ardcloony	10/03/2020	AB	BH	Yes	112	13:00	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N @ 25m. Wandering flight (90s)
Ardcloony	10/03/2020	AB	MA	Yes	3	13:07	N/E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N behind WL2, turning E @ 20m
Ardcloony	10/03/2020	AB	MA	Yes	1	13:10	W/S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Circles in basin, commuting S
Ardcloony	10/03/2020	AB	CA	Yes	1	13:12	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N and behind spit (30m, 40s)
Ardcloony	10/03/2020	AB	ET	Yes	1	13:17	SE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew across basin and canal @ 1m (50s)
Ardcloony	10/03/2020	AB	CA	Yes	1	13:36	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted N 10m (30s)
Ardcloony	10/03/2020	AB	MA	Yes	17	13:38	S/SW	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted @ 70m (90s)
Ardcloony	10/03/2020	AB	MA	Yes	2	13:39	NE	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Flew into basin @ 20m (10s)
Ardcloony	10/03/2020	AB	MA	Yes	1	13:47	E/NW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew E into basin turning NW behind spit (10m 30s)
Ardcloony	10/03/2020	AB	BH	Yes	17	13:47	E/NE	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted E over VP) 20m, continuing to Derg, 25s
Ardcloony	10/03/2020	AB	CA	Yes	1	13:56	N	No Data	No Data	Yes	No Data	No Data	No Data	No Data	Commuted N @ 10m (40s)
Ardcloony	10/03/2020	AB	SH	Yes	1	13:57	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Female hunting S along treeline behind VP at 2m (20s)
Flanagans	10/03/2020	LB	BH	No Data	14	14:25	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	River level high. Loafing on pontoon
Flanagans	10/03/2020	LB	CA	No Data	1	14:30	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	No Data
Flanagans	10/03/2020	LB	GG	No Data	1	14:30	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	On water feeding for 1 hour and 20 mins
Flanagans	10/03/2020	LB	BH	Yes	16	14:40	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	Flew from pontoon towards bridge
Flanagans	10/03/2020	LB	BH	Yes	2	14:50	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	BH	Yes	1	15:05	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	CA	Yes	1	15:10	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	Same bird as at 14:33
Flanagans	10/03/2020	LB	BH	Yes	4	15:25	No Data	Within	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	CA	Yes	1	15:35	S/W	Within	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Flanagans	10/03/2020	LB	CA	Yes	1	15:35	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	BH	Yes	11	16:40	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Perched and flying around bridge and boat house
Flanagans	10/03/2020	LB	BH	Yes	15	17:00	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	CA	Yes	1	17:05	W	Within	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Flanagans	10/03/2020	LB	BH	Yes	4	17:10	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	BH	Yes	21	17:15	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	10/03/2020	LB	BH	Yes	7	17:20	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/03/2020	AB/RA	TU	No Data	67	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/03/2020	AB/RA	CA	No Data	9	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	On island. Late count due to high levels of activity so more were present initially
Ardcloony	11/03/2020	AB/RA	MS	No Data	5	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Ardcloony	11/03/2020	AB/RA	LG	No Data	3	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Ardcloony	11/03/2020	AB/RA	SN	No Data	1	06:12	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Yes	Audible chipping
Ardcloony	11/03/2020	AB/RA	SN	No Data	1	06:14	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Yes	Audible chipping
Ardcloony	11/03/2020	AB/RA	GJ	No Data	?	06:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Yes	Audible near ESB building
Ardcloony	11/03/2020	AB/RA	GJ	Yes	1	06:30	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	CA	Yes	1	06:31	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuting S
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:32	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	GJ	Yes	4	06:32	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	TU	Yes	5	06:34	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Short flight across basin
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:37	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:38	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:40	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	H.	Yes	1	06:40	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuting S
Ardcloony	11/03/2020	AB/RA	CA	Yes	2	06:40	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuting S
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:43	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Ardcloony	11/03/2020	AB/RA	H.	Yes	1	06:43	No Data	No Data	No Data	SW	No Data	No Data	No Data	No Data	Flew across basin
Ardcloony	11/03/2020	AB/RA	GJ	Yes	6	06:45	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N, landed
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:45	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N, landed
Ardcloony	11/03/2020	AB/RA	CA	Yes	4	06:50	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted S over weir from island
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	06:50	No Data	No Data	No Data	NW	No Data	No Data	No Data	No Data	Commuted NW over fields, landed
Ardcloony	11/03/2020	AB/RA	BH	Yes	68	06:52	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted along water over weir
Ardcloony	11/03/2020	AB/RA	BH	Yes	2200	07:02	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted along water over weir
Ardcloony	11/03/2020	AB/RA	CA	Yes	7	07:02	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted S over water from island
Ardcloony	11/03/2020	AB/RA	CA	Yes	3	07:04	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted S over water from island
Ardcloony	11/03/2020	AB/RA	BH	Yes	50	07:05	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted S over weir
Ardcloony	11/03/2020	AB/RA	BH	Yes	70	07:07	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuted S over weir
Ardcloony	11/03/2020	AB/RA	GJ	Yes	2	07:09	No Data	No Data	No Data	NW	No Data	No Data	No Data	No Data	Commuted over fields. Circled and landed
Ardcloony	11/03/2020	AB/RA	BH	Yes	20	07:11	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuting S over weir
Ardcloony	11/03/2020	AB/RA	CA	Yes	4	07:27	No Data	No Data	No Data	SW	No Data	No Data	No Data	No Data	Commuted from island over weir
Ardcloony	11/03/2020	AB/RA	GJ	Yes	36	07:59	No Data	No Data	No Data	NE	No Data	No Data	No Data	No Data	Commuting from P. Weir over water
Ardcloony	11/03/2020	AB/RA	BH	Yes	18	08:10	No Data	No Data	No Data	S	No Data	No Data	No Data	No Data	Commuting S over weir
Ardcloony	11/03/2020	AB/RA	ET	Yes	1	08:20	No Data	No Data	No Data	W	No Data	No Data	No Data	No Data	Commuted E across basin
Ardcloony	11/03/2020	AB/RA	GJ	Yes	4	08:23	No Data	No Data	No Data	SW	No Data	No Data	No Data	No Data	Flew SW across fields
Ardcloony	11/03/2020	AB/RA	CA	Yes	1	08:30	No Data	No Data	No Data	N	No Data	No Data	No Data	No Data	Commuting N
Flanagans	11/03/2020	LB	MA	Yes	1	06:25	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	1500+ BH pre-dawn movement from LD to Parteen and beyond Parteen Weir (recorded by AB)
Flanagans	11/03/2020	LB	BH	Yes	6	06:35	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/03/2020	LB	BH	Yes	6	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	205	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
															seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	7	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	220	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	80	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	20	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	40	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	60	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	50	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	20	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	12	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	210	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	9	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	60	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	12	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Flanagans	11/03/2020	LB	BH	Yes	9	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	60	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	12	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	30	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	21	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	50	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	20	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	13	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	300	06:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	BH	Yes	67	06:50	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	Over about 10 mins. Perched BH gulls flew in tight formations low over the river flying from LD to Parteen. Birds were seen by 2nd observer continuing over Parteen Weir.
Flanagans	11/03/2020	LB	CA	Yes	1	07:20	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/03/2020	LB	BH	Yes	8	07:50	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/03/2020	LB	BH	Yes	15	08:00	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/03/2020	LB	MS	Yes	2	08:05	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/03/2020	LB	BH	Yes	8	08:20	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/03/2020	LB	MS	No Data	1	08:50	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	At ESB property
Flanagans	11/03/2020	LB	CA	No Data	1	08:50	No Data	Within	No Data	No Data	No Data	No Data	Yes	No Data	Usual perch on navigation marker
Flanagans	11/03/2020	LB	GG	No Data	1	09:00	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	No Data
Clarisford	12/03/2020	AB/RA	GG	No Data	1	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Windy, very choppy water
Clarisford	12/03/2020	AB/RA	LG	No Data	1	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Clarisford	12/03/2020	AB/RA	MS	No Data	1	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	12/03/2020	AB/RA	TU	No Data	2	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Pair
Clarisford	12/03/2020	AB/RA	MA	No Data	1	05:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Male
Clarisford	12/03/2020	AB/RA	KF	Yes	1	06:10	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Quick flight around corner
Clarisford	12/03/2020	AB/RA	CA	Yes	1	06:30	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	BH	Yes	170	06:37	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	CA	Yes	1	06:37	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	MA	Yes	1	06:37	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	BH	Yes	300	06:41	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	BH	Yes	29	06:42	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	BH	Yes	335	06:43	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	BH	Yes	115	06:44	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting
Clarisford	12/03/2020	AB/RA	CA	Yes	1	07:00	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from reed bed and landed
Clarisford	12/03/2020	AB/RA	CA	Yes	1	07:00	E/N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from reed bed and around corner
Clarisford	12/03/2020	AB/RA	GJ	Yes	2	07:01	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted S over reedbeds
Clarisford	12/03/2020	AB/RA	GJ	Yes	3	07:02	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew N towards Derg
Clarisford	12/03/2020	AB/RA	MS	Yes	1	07:10	S/W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Alighted and flew around corner
Clarisford	12/03/2020	AB/RA	MS	Yes	2	07:10	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Alighted and landed near weir
Clarisford	12/03/2020	AB/RA	H.	Yes	1	07:11	NE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting NE over VP
Clarisford	12/03/2020	AB/RA	CA	Yes	1	07:15	E/N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from reeds around corner
Clarisford	12/03/2020	AB/RA	K.	Yes	1	07:19	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Carried E while battling wind
Clarisford	12/03/2020	AB/RA	BH	Yes	9	07:27	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting SW
Clarisford	12/03/2020	AB/RA	BH	Yes	31	07:35	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuted N over VP across basin
Clarisford	12/03/2020	AB/RA	KF	Yes	1	07:42	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner
Clarisford	12/03/2020	AB/RA	MA	Yes	3	07:42	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew E onto basin against wind and landed
Clarisford	12/03/2020	AB/RA	BH	Yes	8	07:43	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting over water towards weir
Clarisford	12/03/2020	AB/RA	KF	Yes	1	07:48	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner
Clarisford	12/03/2020	AB/RA	CA	Yes	1	07:50	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water surface
Clarisford	12/03/2020	AB/RA	BH	Yes	13	07:51	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water surface
Clarisford	12/03/2020	AB/RA	CA	Yes	2	07:58	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting N
Clarisford	12/03/2020	AB/RA	CA	Yes	1	07:58	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner and landed
Clarisford	12/03/2020	AB/RA	CA	Yes	1	08:09	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water
Clarisford	12/03/2020	AB/RA	BH	Yes	1	08:10	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water
Clarisford	12/03/2020	AB/RA	CA	Yes	1	08:19	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water
Clarisford	12/03/2020	AB/RA	BH	Yes	5	08:19	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water
Clarisford	12/03/2020	AB/RA	CA	Yes	1	08:23	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Commuting S over water
Clarisford	12/03/2020	AB/RA	H.	Yes	1	08:23	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner
Clarisford	12/03/2020	AB/RA	KF	Yes	1	08:29	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew around corner
Clarisford	12/03/2020	AB/RA	CA	No Data	1	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Water very choppy. Otter observed from VP
Clarisford	12/03/2020	AB/RA	TU	No Data	2	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Clarisford	12/03/2020	AB/RA	MU	No Data	2	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Clarisford	12/03/2020	AB/RA	MA	No Data	1	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Clarisford	12/03/2020	AB/RA	GG	No Data	2	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Pair
Clarisford	12/03/2020	AB/RA	TU	No Data	2	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Clarisford	12/03/2020	AB/RA	LG	No Data	1	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Clarisford	12/03/2020	AB/RA	H.	No Data	1	10:15	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Clarisford	12/03/2020	AB/RA	TU	Yes	2	10:00	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Alights from water and flies SW around corner
Clarisford	12/03/2020	AB/RA	H.	Yes	1	10:16	E/N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from reed beds around corner
Clarisford	12/03/2020	AB/RA	MA	Yes	1	11:00	W	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from centre, west into reeds
Clarisford	12/03/2020	AB/RA	MA	Yes	1	11:01	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from around corner into lake centre
Clarisford	12/03/2020	AB/RA	BH	Yes	12	11:04	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from S to N
Clarisford	12/03/2020	AB/RA	CA	Yes	1	11:17	SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from centre towards SW
Clarisford	12/03/2020	AB/RA	BH	Yes	10	11:27	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from centre in N direction
Clarisford	12/03/2020	AB/RA	BH	Yes	2	11:36	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from S to N
Clarisford	12/03/2020	AB/RA	CA	Yes	1	11:43	N-E/S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from S, circled overhead and landed in lake
Clarisford	12/03/2020	AB/RA	CA	Yes	1	11:43	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from S to N
Clarisford	12/03/2020	AB/RA	BH	Yes	5	12:04	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from S up centre of basin and flew E
Clarisford	12/03/2020	AB/RA	BH	Yes	10	12:32	E	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from S up centre of basin and flew E
Clarisford	12/03/2020	AB/RA	CA	Yes	1	12:42	NE	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew N and circled NE
Clarisford	12/03/2020	AB/RA	BH	Yes	41	12:43	N/NW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew out from canal, foraged over lake and flew N-NW
Clarisford	12/03/2020	AB/RA	CA	Yes	1	13:02	S/SW	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from E shore to SW along water surface
Clarisford	12/03/2020	AB/RA	BH	Yes	4	13:03	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Flew from SW around wall to N towards LD
Flanagans	22/01/2020	LB	BH	Yes	2	07:55	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	11	07:55	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	3	08:00	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	5	08:10	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	10	08:15	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	31	08:20	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Circling at ESB property
Flanagans	22/01/2020	LB	CA	Yes	1	08:35	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	46	08:45	Circling	Within	No Data	No Data	No Data	No Data	No Data	No Data	Feeding at ESB property
Flanagans	22/01/2020	LB	MS	No Data	2	08:45	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	Feeding with BH same spot
Flanagans	22/01/2020	LB	CA	Yes	1	08:50	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	MS	Yes	2	09:00	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	2 MS W to E
Flanagans	22/01/2020	LB	CA	Yes	1	09:05	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	MA	Yes	1	09:10	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	6	09:30	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	BH	Yes	15	09:40	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	CA	Yes	1	09:40	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	MA	Yes	2	09:45	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	22/01/2020	LB	GG	No Data	2	09:55	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	Feeding at ESB property
Flanagans	22/01/2020	LB	CA	No Data	1	09:55	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	Feeding at ESB property
Flanagans	22/01/2020	LB	MA	No Data	4	10:00	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	No Data
Flanagans	22/01/2020	LB	MA	Yes	3	10:00	N	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data

Location	Date	Observer	BTO Code	Flight (Y/N)	Number	Observation Time	Bearing	Location-Within or Outside Basin	No Data	Direction Toward LD	Toward Parteen	Toward Lower River Sh.	Perch	Calling	Notes
Flanagans	12/02/2020	LB	BH	No Data	37	09:00	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	Present at ESB property
Flanagans	12/02/2020	LB	MA	No Data	2	09:10	No Data	Within	No Data	No Data	No Data	No Data	Swim	No Data	No Data
Flanagans	12/02/2020	LB	BH	Yes	2	09:10	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	CA	No Data	1	09:10	No Data	Within	No Data	No Data	No Data	No Data	Perch	No Data	Perched for 40 mins
Flanagans	12/02/2020	LB	MA	Yes	2	09:40	N	Within	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	CA	Yes	1	09:45	E	Within	No Data	No Data	No Data	No Data	No Data	No Data	Different CA
Flanagans	12/02/2020	LB	MA	Yes	2	09:55	S	Within	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	BH	No Data	24	10:05	No Data	No Data	No Data	No Data	No Data	No Data	Perch	No Data	On boat house S of bridge
Flanagans	12/02/2020	LB	BH	Yes	17	10:05	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	BH	No Data	10	10:30	No Data	No Data	No Data	No Data	No Data	No Data	Perch	No Data	Loafing at ESB property
Flanagans	12/02/2020	LB	BH	Yes	7	10:35	S	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	CA	Yes	1	10:50	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	BH	Yes	16	10:55	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Feeding S side of bridge
Flanagans	12/02/2020	LB	CA	No Data	1	11:15	No Data	No Data	No Data	No Data	No Data	No Data	Perch	No Data	No Data
Flanagans	12/02/2020	LB	MA	Yes	2	11:30	N	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
Flanagans	12/02/2020	LB	BH	Yes	13	11:50	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Feeding and loafing at ESB
Flanagans	12/02/2020	LB	BH	No Data	25	11:50	No Data	No Data	No Data	No Data	No Data	No Data	Perch	No Data	Perched on Boat house S of bridge
Flanagans	12/02/2020	LB	CA	No Data	1	11:50	No Data	No Data	No Data	No Data	No Data	No Data	Perch	No Data	No Data
Flanagans	12/02/2020	LB	BH	No Data	20	12:00	No Data	No Data	No Data	No Data	No Data	No Data	Perch	No Data	Feeding on both sides of bridge
Flanagans	11/02/2020	LB	BH	Yes	24	15:40	No Data	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Perched on boat house and library
Flanagans	11/02/2020	LB	BH	Yes	3	15:45	Circling	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Circling around ESB property
Flanagans	11/02/2020	LB	BH	Yes	1	15:50	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	3	15:50	Circling	No Data	No Data	No Data	No Data	No Data	No Data	No Data	Circling around ESB property
Flanagans	11/02/2020	LB	BH	Yes	6	16:00	N - S	No Data	No Data	No Data	No Data	Yes	No Data	No Data	No Data
Flanagans	11/02/2020	LB	LB	Yes	1	16:05	S	No Data	No Data	Yes	No Data	No Data	No Data	No Data	No Data
Flanagans	11/02/2020	LB	CA	Yes	1	16:15	N	No Data	No Data	No Data	Yes	Yes	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	6	16:20	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	7	16:25	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	1	16:30	N	No Data	No Data	No Data	Yes	No Data	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	8	16:40	Circling	No Data	No Data	No Data	No Data	Yes	No Data	No Data	Air feeding on Parteen side of bridge
Flanagans	11/02/2020	LB	MA	No Data	2	16:45	No Data	No Data	No Data	No Data	No Data	No Data	Swim	No Data	Around ESB property
Flanagans	11/02/2020	LB	BH	Yes	1	16:50	N	No Data	No Data	No Data	Yes	Yes	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	18	17:05	N	No Data	No Data	No Data	Yes	Yes	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	20	17:06	N	No Data	No Data	No Data	Yes	Yes	No Data	No Data	No Data
Flanagans	11/02/2020	LB	BH	Yes	28	17:10	E	Y	No Data	No Data	Yes	Yes	No Data	No Data	Flew E inland
Flanagans	11/02/2020	LB	BH	Yes	12	17:30	E	Y	No Data	No Data	Yes	Yes	No Data	No Data	Flew E inland
Flanagans	11/02/2020	LB	BH	Yes	43	17:35	E	Y	No Data	No Data	No Data	Yes	No Data	No Data	Flew E inland
Flanagans	11/02/2020	LB	BH	Yes	15	18:00	N	No Data	No Data	No Data	Yes	Yes	No Data	No Data	No Data

Winter Bird Surveys Results – 2020/2021

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November 2020 I-WeBS Lough Derg																	
Subsite Name	BH	CA	CO	CX	GG	H.	KF	LB	LG	MA	MH	MS	ND	PO	SP	TU	WA
	Black-headed Gull	Cormorant	Coot	Scoter	Great Crested Grebe	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Great Northern Diver	Pochard	Scaup	Tufted Duck	Water Rail
Ballycuggeran Bay	17				1					14							
Blackrock point																8	
Bunglasha Bay			1		1											6	
Clery's Point												4					
Cloonoolia Bay A																18	
Derrymaccegan Bay	2	15								4							
Drominagh		7	3		2				1								
Dromineer Bay	17				1			1		10		2					
Ducey's Harbour			10									1					
Friary	8	16									1	1					
Garrykennedy Harbour	2	2			3					15		4					
Glenbower		3	11	1	1				2					2			
Gortmore			12			1						5					
Illanaboe			1									3					1
Kilcooney			1														
Kilgarvan Quay		1	1														
Knockaphort		1	2													5	
Luska		2	3		1											48	
Mota			3									1					
Mountshannon		2	2										1			18	
Rossmore Pier	25														1		
Ryninch	200																
Skehanagh			1													4	
Terryglass Harbour	10	1					1			3		1					
Williamstown												2				21	
Youghal Quay	1		2		2						1	19				6	
Grand Total	**282**	**50**	**53**	**1**	**12**	**1**	**1**	**1**	**3**	**46**	**2**	**43**	**1**	**2**	**1**	**134**	**1**

November 2020 I-WeBS Parteen Basin										
	BH	CA	GG	GN	HG	L.	MH	MS	PO	TU
Subsite Name	**Black-headed Gull**	**Cormorant**	**Great Crested Grebe**	**Goldeneye**	**Herring Gull**	**Lapwing**	**Moorhen**	**Mute Swan**	**Pochard**	**Tufted Duck**
Ardcloony		6	3		2	40	1	10	10	700
Clarisford		2	2	6				2		
O'Briensbridge						60		4		
O'Briensbridge Montpelier	1	1								
Grand Total	**1**	**9**	**5**	**6**	**2**	**100**	**1**	**16**	**10**	**700**

December 2020 I-WeBS Lough Derg													
	BH	BZ	CA	CO	ET	GG	L.	LG	MA	MH	MS	T.	TU
Subsite Name	**Black-headed Gull**	**Buzzard**	**Cormorant**	**Coot**	**Little Egret**	**Great Crested Grebe**	**Lapwing**	**Little Grebe**	**Mallard**	**Moorhen**	**Mute Swan**	**Teal**	**Tufted Duck**
Ballycuggeran Bay	79								14				
Bearoge Island			6										
Blackrock point				2		1		2			1		
Bunglasha Bay					2								20
Castlelough Public Park	58										1		
Clery's Point			1	2					4				
Cloonoolia Bay A			1						3		6		20
Cloonoolia South	1		2								1		
Derrymaccegan Bay	80										2		
Dromineer Bay	44		3						2		3		
Ducey's Harbour				5					20				
Friary			3					2	11				1
Garrykennedy Harbour	54		2					1	16		10		
Gortmore	4		9				32				10		
Illanaboe											1		
Kilcooney											2		
Kilgarvan Quay			3			1					1		10
Knockaphort			1	3									6
Luska			6	9		1					3		70
Mota				1		1							
Mountshannon	1		1		1			1			3		
Old Village	1												
Ryninch	22												

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December 2020 I-WeBS Lough Derg													
Subsite Name	BH	BZ	CA	CO	ET	GG	L.	LG	MA	MH	MS	T.	TU
	Black-headed Gull	Buzzard	Cormorant	Coot	Little Egret	Great Crested Grebe	Lapwing	Little Grebe	Mallard	Moorhen	Mute Swan	Teal	Tufted Duck
Skehanagh	3	1		3	5			5			5	4	
Terryglass Harbour	8		3						17		9		8
Youghal Quay					1						18		6
Grand Total	**355**	**1**	**41**	**25**	**9**	**4**	**32**	**11**	**87**		**76**	**4**	**141**

December 2020 I-WeBS Parteen Basin										
Subsite Name	BH	CA	GN	H.	L.	LG	MA	MS	RK	TU
	Black-headed Gull	Cormorant	Goldeneye	Grey Heron	Lapwing	Little Grebe	Mallard	Mute Swan	Redshank	Tufted Duck
Ardcloony	4	4		1			7	32		340
Clarisford		1	1			2	2	2		
O'Briensbridge	9				41			5	2	
O'Briensbridge Montpelier				1			3	2		
Grand Total	**13**	**5**	**1**	**2**	**41**	**2**	**12**	**41**	**2**	**340**

January 2021 I-WeBS Lough Derg																					
Subsite Name	BH	CA	CO	ET	GG	GJ	GL	GN	H.	HG	KF	L.	LB	LG	MA	MH	MS	ND	SH	T.	TU	WS	ZL
	Black-headed Gull	Cormorant	Coot	Little Egret	Great Crested Grebe	Greylag Goose	Grey Wagtail	Goldeneye	Grey Heron	Herring Gull	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Great Northern Diver	Sparrowhawk	Teal	Tufted Duck	Whooper Swan	Feral Goose
Ballycuggeran Bay	50			1	1										15								
Ballyheefy		1		1																			
Bearoge Island		1	30											2			3						
Blackrock point			4							1				2	4		3						
Castlelough Public Park					1																		
Church Bay			2											3									
Claree Lough		1					33								1		3						
Clery's Point		3												3			1				9		
Cloondadauv			6		1			2									8				17	10	
Cloonoolia Bay A				1																			
Cloonoolia South																	3						

January 2021 I-WeBS Lough Derg																						
Subsite Name	BH	CA	CO	ET	GG	GJ	GL	GN	H.	HG	KF	L.	LB	LG	MA	MH	MS	ND	SH	T.	TU	WS	ZL
	Black-headed Gull	Cormorant	Coot	Little Egret	Great Crested Grebe	Greylag Goose	Grey Wagtail	Goldeneye	Grey Heron	Herring Gull	Kingfisher	Lapwing	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Great Northern Diver	Sparrowhawk	Teal	Tufted Duck	Whooper Swan	Feral Goose
Drominagh		1			4							200											
Dromineer Bay	110																3						
Ducey's Harbour			5												21		1						
Friary	10	3	8												8	4	2						
Garrykennedy Harbour	23		1								2		1	2	7	1	4						
Glenbower	45		7													1	4				24		
Gortmore	11	4	8									4		2		5	6				4		
Illanaboe																	4	1		2	36		
Kilcooney																	2						
Kilgarvan Quay		2			1				1							3	4				15		
Knockaphort															18						2		
Luska	28	1							1								1				14		
Mota		3	5		1									4	2	2	2				26		7
Mountshannon			7															1			6		
Old Village																4							
Rossmore Pier					2	8								2						4	4		
Skehanagh		1			2									3			7				1		
Terryglass Harbour	2				1									2	6	1	1		1		3		
Williamstown		6			2											2	6						
Youghal Quay		2	3		2												12				18		
Grand Total	**279**	**29**	**86**	**3**	**18**	**8**	**33**	**2**	**2**	**1**	**2**	**204**	**1**	**25**	**82**	**23**	**80**	**2**	**1**	**6**	**179**	**10**	**7**

January 2021 I-WeBS Parteen Basin											
Subsite Name	BH	CA	CO	GB	GN	L.	LG	MA	MS	RK	TU
	Black-headed Gull	Cormorant	Coot	Great Black-backed Gull	Goldeneye	Lapwing	Little Grebe	Mallard	Mute Swan	Redshank	Tufted Duck
Ardcloony	12		30			30		1	4	1	350
Clarisford		1			10		8	1			10
O'Briensbridge	1							2		3	
O'Briensbridge Montpelier	2			1		80		1			
Grand Total	**15**	**1**	**30**	**1**	**10**	**110**	**8**	**5**	**4**	**4**	**360**

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February 2021 I-WeBS Lough Derg														
Subsite Name	**BH**	**CA**	**CO**	**GG**	**GJ**	**GN**	**L.**	**LG**	**MA**	**MH**	**MS**	**RE**	**TU**	**WS**
	Black-headed Gull	**Cormorant**	**Coot**	**Great Crested Grebe**	**Greylag Goose**	**Goldeneye**	**Lapwing**	**Little Grebe**	**Mallard**	**Moorhen**	**Mute Swan**	**Redwing**	**Tufted Duck**	**Whooper Swan**
Ballycuggeran Bay	50								12		4			
Bearoge Island			1							2				
Blackrock point		1												
Castlelough Public Park									2					
Church Bay			3	1				4					31	
Clery's Point			4			1		2			1			
Cloondadauv				1										16
Cloonoolia Bay A						2			3				2	
Cloonoolia South											2			
Derry Demense												40		
Derrymaccegan Bay	6							11	4		6		20	
Dromineer Bay	6	1		1					11		3		3	
Ducey's Harbour			1						11	11				
Friary	8		2						2				18	
Garrykennedy Harbour	36								40					
Glenbower			8								2			
Kilgarvan Quay			4	1									20	
Knockaphort				1							4			
Luska		2		1		1					2		22	
Mota	12	1	12	2					3				35	
Mountshannon	2	3						1					2	
Old Village								1						
Rossmore Pier					23		45				2			2
Ryninch	4													
Skehanagh		1		2		8					2		1	
Terryglass Harbour	1			2					3	2				
Youghal Quay											4			
Grand Total	**125**	**9**	**35**	**12**	**23**	**12**	**45**	**19**	**91**	**15**	**32**	**40**	**154**	**18**

February 2021 I-WeBS Parteen Basin											
Subsite Name	**BH**	**CA**	**GG**	**GN**	**L.**	**LB**	**MA**	**MS**	**PO**	**RK**	**TU**
	Black-headed Gull	**Cormorant**	**Great Crested Grebe**	**Goldeneye**	**Lapwing**	**Lesser Black-backed Gull**	**Mallard**	**Mute Swan**	**Pochard**	**Redshank**	**Tufted Duck**
Ardcloony	7	4	1	2			2	8	2		248
Clarisford	8		11	3	1						
O'Briensbridge	3	1						1		1	

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February 2021 I-WeBS Parteen Basin											
Subsite Name	BH Black-headed Gull	CA Cormorant	GG Great Crested Grebe	GN Goldeneye	L. Lapwing	LB Lesser Black-backed Gull	MA Mallard	MS Mute Swan	PO Pochard	RK Redshank	TU Tufted Duck
O'Briensbridge Montpelier	93	3				1	4	1			1
Grand Total	**111**	**8**	**12**	**5**	**1**	**1**	**6**	**10**	**2**	**1**	**249**

March 2021 I-WeBS Lough Derg																			
Subsite Name	BH Black-headed Gull	CA Cormorant	CO Coot	CU Eurasian Curlew	ET Little Egret	GG Great Crested Grebe	GJ Greylag Goose	GN Goldeneye	H. Grey Heron	KF Kingfisher	LB Lesser Black-backed Gull	LG Little Grebe	MA Mallard	MH Moorhen	MS Mute Swan	RM Red-breasted Merganser	SH Sparrowhawk	TU Tufted Duck	WA Water Rail	WS Whooper Swan
Ballycuggeran Bay	23					1							14		5					
Ballyheefy						2	2								1					
Bearoge Island						2									2					
Blackrock point						2						3			1					
Castlelough Public Park													1							
Church Bay			5				2					10			2			2		
Claree Lough	7														1					
Clery's Point			2			1									5					
Cloondadauv	8	2					8								2					21
Cloonoolia Bay A		1						4										8		
Cloonoolia South						2														
Derrymaccegan Bay	4	1	2			2						14		4						
Dromineer Bay	20										1		4		1					
Ducey's Harbour			3			1							2		1					
Friary	8	4	2			2						8	6		2					
Garrykennedy Harbour	16									1			7		3					
Glenbower	7				1								4			4	1	3		
Gortmore		1	5			4									12			10		
Illanaboe										1				2				6		
Kilgarvan Quay	5	6	3			6	2					1		1	7			18		
Knockaphort		1	1			2									1					
Luska		2				3									7			9		
Mota		7	7			7						1	4		2			15	1	
Mountshannon		1	12			6									3			6		
Old Village						2						10								
Rossmore Pier	160					2	12								2					
Skehanagh	21		2			1	22								16			5		
Terryglass Harbour	5	52	3	1		3	2		1				4		23					

March 2021 I-WeBS Lough Derg																			
Subsite Name	BH	CA	CO	CU	ET	GG	GJ	GN	H.	KF	LB	LG	MA	MH	MS	RM	SH	TU	WA	WS
	Black-headed Gull	Cormorant	Coot	Eurasian Curlew	Little Egret	Great Crested Grebe	Greylag Goose	Goldeneye	Grey Heron	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Red-breasted Merganser	Sparrowhawk	Tufted Duck	Water Rail	Whooper Swan
Youghal Quay	27	1	2			4						1			31			4		
Grand Total	**311**	**79**	**49**	**1**	**1**	**55**	**50**	**4**	**1**	**2**	**1**	**48**	**46**	**7**	**130**	**4**	**1**	**86**	**1**	**21**

March 2021 I-WeBS Parteen Basin								
Subsite Name	BH	CA	GG	GJ	HG	MH	MS	TU
	Black-headed Gull	Cormorant	Great Crested Grebe	Greylag Goose	Herring Gull	Moorhen	Mute Swan	Tufted Duck
Ardcloony	10	1	2	4			12	62
Clarisford		1					1	
O'Briensbridge						1		
O'Briensbridge Montpelier	4	2			1			
Grand Total	**14**	**4**	**2**	**4**	**1**	**1**	**13**	**62**

April 2021 I-WeBS Lough Derg																
Subsite Name	BH	CA	CO	GG	GJ	H.	HG	KF	LB	LG	MA	MH	MS	PE	SM	TU	WA
	Black-headed Gull	Cormorant	Coot	Great Crested Grebe	Greylag Goose	Grey Heron	Herring Gull	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Peregrine Falcon	Sand Martin	Tufted Duck	Water Rail
Bearoge Island		133									2		7				
Blackrock point		1	1	3		1					3		1				
Castlelough Public Park	6			1							3						
Church Bay			2	4	1					2	4	2					
Claree Lough													1				
Clery's Point				2						2							
Cloondadauv	22			1												2	
Derrymaccegan Bay	3	3	2	10		1					2				20	42	
Dromineer Bay	12		1						1		4		1				
Friary	10	3	7	2			1			3	5	2	2				
Garrykennedy Harbour	14	2						1			7						
Glenbower				3	7							1	5		20		
Gortmore		39		2									3				

April 2021 I-WeBS Lough Derg																	
Subsite Name	BH	CA	CO	GG	GJ	H.	HG	KF	LB	LG	MA	MH	MS	PE	SM	TU	WA
	Black-headed Gull	Cormorant	Coot	Great Crested Grebe	Greylag Goose	Grey Heron	Herring Gull	Kingfisher	Lesser Black-backed Gull	Little Grebe	Mallard	Moorhen	Mute Swan	Peregrine Falcon	Sand Martin	Tufted Duck	Water Rail
Illanaboe				1									3	1		26	
Kilgarvan Quay	43	3	3	4	1						2		5			18	
Luska	4		3							2		2	3			32	
Mota	24	3	5	2					1							5	1
Old Village				1							1					9	
Rossmore Pier				3								1	2				
Skehanagh	8			2	16						2		15				
Terryglass Harbour	24		1	3							1		3				
Williamstown	6				1								3			2	
Youghal Quay			1	2									21				
Grand Total	**176**	**187**	**26**	**46**	**26**	**2**	**1**	**1**	**2**	**9**	**36**	**8**	**75**	**1**	**40**	**136**	**1**

April 2021 I-WeBS Parteen Basin					
Subsite Name	CA	MA	MH	MS	TU
	Cormorant	Mallard	Moorhen	Mute Swan	Tufted Duck
Ardcloony				2	82
O'Briensbridge Montpelier	2	1	1		
Grand Total	**2**	**1**	**1**	**2**	**82**

Lough Derg Vantage Point Results 2020/2021:

Lough Derg Vantage Point Surveys November 2020												
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Flying	Bearing	Flying Toward LD	Flying toward Parteen	Flying toward Lower River Sh.	Notes
2	Clarisford	25/11/2020	JG	1	10:40	MA	2	Yes	S	No	Yes	No	Commuting
2	Clarisford	25/11/2020	JG	2	11:09	H.	1	Yes	S	No	Yes	No	Commuting
2	Clarisford	25/11/2020	JG	3	11:13	CA	1	Yes	N	Yes	No	No	Commuting low upstream
2	Clarisford	25/11/2020	JG	4	11:47	H.	1	Yes	S	No	Yes	No	Flew low downstream, landed on bank
2	Clarisford	25/11/2020	JG	5	11:53	BH	3	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	6	12:56	CA	1	Yes	S	No	Yes	No	Left rock by VP and flew downstream
2	Clarisford	25/11/2020	JG	7	13:17	BH	1	Yes	S	No	Yes	No	Commuting
2	Clarisford	25/11/2020	JG	8	13:18	MA	4	Yes	S	No	Yes	No	Flew downstream, landed in reeds by VP
2	Clarisford	25/11/2020	JG	9	13:26	BH	3	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	10	14:14	H.	1	Yes	S	No	Yes	No	Commuting
2	Clarisford	25/11/2020	JG	11	14:18	MA	1	Yes	S	No	Yes	No	Commuting
2	Clarisford	25/11/2020	JG	12	14:48	HG	2	Yes	N	Yes	No	No	Commuting

Lough Derg Vantage Point Surveys November 2020													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Flying**	**Bearing**	**Flying Toward LD**	**Flying toward Parteen**	**Flying toward Lower River Sh.**	**Notes**
2	Clarisford	25/11/2020	JG	13	15:01	ET	1	Yes	S	No	Yes	No	Flew downstream, landed in reeds by VP
2	Clarisford	25/11/2020	JG	14	15:09	BH	1	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	15	15:13	BH	1	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	16	15:17	BH	1	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	17	15:32	MA	1	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	18	15:46	KF	1	Yes	N	Yes	No	No	Flew low in front of VP
2	Clarisford	25/11/2020	JG	19	15:51	BH	1	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	20	16:08	H.	1	Yes	E	No	No	No	Flew to far bank
2	Clarisford	25/11/2020	JG	21	16:32	BH	6	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	22	16:46	BH	8	Yes	N	Yes	No	No	Commuting
2	Clarisford	25/11/2020	JG	23	16:51	BH	10	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	1	08:26	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	2	08:49	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	3	09:32	CA	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	4	10:04	BH	1	Yes	S	No	Yes	No	Commuting
3	Two Mile Gate	26/11/2020	JG	5	10:24	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	6	11:35	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	7	12:04	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	26/11/2020	JG	8	12:15	BH	1	Yes	S	No	Yes	No	Commuting
3	Two Mile Gate	26/11/2020	JG	9	12:28	BH	1	Yes	S	No	Yes	No	Commuting
3	Two Mile Gate	26/11/2020	JG	10	13:11	CA	1	Yes	S	No	Yes	No	Commuting
1	Flanagans	27/11/2020	JG	1	08:02	MA	3	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	2	08:06	BH	1	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	3	08:32	BH	1	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	4	08:35	BH	1	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	5	08:42	BH	4	Yes	S	No	Yes	No	Flew S, landed in water by VP
1	Flanagans	27/11/2020	JG	6	08:46	BH	5	Yes	N	Yes	No	No	Flew N, circled & landed
1	Flanagans	27/11/2020	JG	7	08:54	BH	2	Yes	S	No	Yes	No	Flew S, low, rose over bridge
1	Flanagans	27/11/2020	JG	8	08:59	BH	4	Yes	N	Yes	No	No	Left water, flew upstream
1	Flanagans	27/11/2020	JG	9	09:12	BH	1	Yes	N	Yes	No	No	Flew upstream over bridge & landed in water
1	Flanagans	27/11/2020	JG	10	09:23	BH	3	Yes	S	No	Yes	No	Commuting downstream
1	Flanagans	27/11/2020	JG	11	09:25	BH	12	Yes	N	Yes	No	No	Flew upstream landed in water momentarily and continued upstream
1	Flanagans	27/11/2020	JG	12	09:55	BH	27	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	13	11:25	BH	4	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	14	12:14	BH	5	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	15	12:33	BH	7	Yes	N	Yes	No	No	Commuting
1	Flanagans	27/11/2020	JG	16	12:42	BH	9	Yes	N	Yes	No	No	Short flight upstream
1	Flanagans	27/11/2020	JG	17	13:47	BH	1	Yes	S	No	Yes	No	Commuting
1	Flanagans	27/11/2020	JG	18	13:53	BH	1	Yes	S	No	Yes	No	Commuting
1	Flanagans	27/11/2020	JG	19	14:02	BH	2	Yes	S	No	Yes	No	Commuting
1	Flanagans	27/11/2020	JG	20	14:08	BH	5	Yes	N	Yes	No	No	Commuting

Lough Derg Vantage Point Surveys December 2020												
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Flying**	**Bearing**	**Flying Toward LD**	**Flying toward Parteen**	**Flying toward Lower River Sh.**	**Notes**
1	Flanagans	21/12/2020	TK		10:00	BH	12	No	-	No	No	No	12 BH gulls perched in vicinity of VP on arrival
1	Flanagans	21/12/2020	TK		10:05	BH	12	No	-	No	No	No	12 BH gulls perched in vicinity of VP.
1	Flanagans	21/12/2020	TK		10:10	BH	12	No	-	No	No	No	13 BH gulls perched in vicinity of VP.
1	Flanagans	21/12/2020	TK		10:15	BH	6	Yes	-	No	No	No	6 Gulls flying around VP
1	Flanagans	21/12/2020	TK		10:20	BH	5	Yes	-	No	No	No	5 gulls flying around VP
1	Flanagans	21/12/2020	TK	1	10:22	BH	6	Yes	N	Yes	No	No	6 BH gulls flying north towards L. Derg

Jacobs TOBIN

Lough Derg Vantage Point Surveys December 2020													
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Flying	Bearing	Flying Toward LD	Flying toward Parteen	Flying toward Lower River Sh.	Notes
1	Flanagans	21/12/2020	TK		10:25	BH	12	No	-	No	No	No	12 BH gulls perched in vicinity of VP.
1	Flanagans	21/12/2020	TK		10:30	BH	12	No	-	No	No	No	12 BH gulls perched in vicinity of VP.
1	Flanagans	21/12/2020	TK		10:35	BH	12	No	-	No	No	No	12 BH gulls perched in vicinity of VP.
1	Flanagans	21/12/2020	TK		10:40	BH	12	No	-	No	No	No	12 BH gulls perched in vicinity of VP.
1	Flanagans	21/12/2020	TK	2	10:45	BH	4	No	N	Yes	No	No	4 BH Gulls flew from area of VP towards Lough Derg.
1	Flanagans	21/12/2020	TK		10:50	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		10:55	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:00	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:05	BH	5	No	-	No	No	No	5 BH gulls flew in from downstream of bridge, landed on river near VP
1	Flanagans	21/12/2020	TK		11:10	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:15	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK	3	11:18	CA	1	Yes	N	Yes	No	No	1 Cormorant in flight upriver out of sight towards Lough Derg.
1	Flanagans	21/12/2020	TK		11:20	BH	2	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK	4	11:22	BH	2	Yes	S	No	Yes	No	1 BH Gull in flight down river out of sight towards Parteen
1	Flanagans	21/12/2020	TK	5	11:23	BH	13	Yes	S	No	Yes	No	2 BH Gull in flight down river out of sight towards Parteen
1	Flanagans	21/12/2020	TK	6	11:23	BH	13	Yes	S	No	Yes	No	2 BH Gull in flight down river out of sight towards Parteen
1	Flanagans	21/12/2020	TK		11:25	BH	13	Yes	-	No	No	No	13 BH gulls in flight around VP area
1	Flanagans	21/12/2020	TK		11:30	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:35	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:40	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:45	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:50	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		11:55	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:00	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:05	BH	13	No	-	No	No	No	13 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:10	BH	4	Yes	-	No	No	No	4 BH Gulls flew in from downstream of bridge, landed on river, near VP
1	Flanagans	21/12/2020	TK		12:15	BH	17	No	-	No	No	No	17 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK	7	12:18	HG	1	Yes	-	No	No	No	1 Herring Gull in flight towards L. Derg
1	Flanagans	21/12/2020	TK	8	12:19	BH	2	Yes	-	No	No	No	2 BH gulls in flight towards L. Derg.
1	Flanagans	21/12/2020	TK		12:20	BH	17	No	-	No	No	No	17 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:25	BH	17	No	-	No	No	No	17 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK	9	12:26	CA	1	Yes	N	Yes	No	No	1 Cormorant in flight upriver out of sight towards Lough Derg.
1	Flanagans	21/12/2020	TK		12:30	BH	17	No	-	No	No	No	17 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:35	BH	8	Yes	-	No	No	No	8 BH Gulls flew downstream from area of VP, landed on river further downstream
1	Flanagans	21/12/2020	TK		12:40	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:45	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:50	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		12:55	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		13:00	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		13:35	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK	10	13:37	MA	2	Yes	N	Yes	No	No	2 Mallard flying north out of sight towards L. Derg
1	Flanagans	21/12/2020	TK		13:40	BH	9	No	-	No	No	No	
1	Flanagans	21/12/2020	TK		13:45	BH	9	No	-	No	No	No	
1	Flanagans	21/12/2020	TK	11	13:48	CA	2	Yes	N	Yes	No	No	2 Cormorant flying north out of sight towards L. Derg
1	Flanagans	21/12/2020	TK		13:50	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		13:55	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:00	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:05	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:10	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:15	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:20	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:25	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:30	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:35	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:40	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:45	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		14:50	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP

Lough Derg Vantage Point Surveys December 2020												
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Flying	Bearing	Flying Toward LD	Flying toward Parteen	Flying toward Lower River Sh.	Notes
1	Flanagans	21/12/2020	TK		14:55	BH	9	No	-	No	No	No	9 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:00	BH	10	Yes	-	No	No	No	10 BH Gulls flew into VP area from downstream of bridge
1	Flanagans	21/12/2020	TK		15:05	BH	19	Yes	-	No	No	No	Total of 19 BH gulls in air, person feeding them at bank of river.
1	Flanagans	21/12/2020	TK		15:10	BH	19	No	-	No	No	No	19 BH gulls perched
1	Flanagans	21/12/2020	TK		15:15	BH	19	No	-	No	No	No	19 BH gulls perched
1	Flanagans	21/12/2020	TK	12	15:18	CA	1	Yes	S	No	Yes	No	1 Cormorant in flight downstream out of sight toward Parteen.
1	Flanagans	21/12/2020	TK		15:20	BH	11	Yes	-	No	No	No	11 BH gulls flew further downstream, landed on river
1	Flanagans	21/12/2020	TK		15:25	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:30	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:35	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:40	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:45	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:50	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		15:55	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		16:00	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		16:05	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		16:10	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK	13	16:13	BH	25	Yes	N	Yes	No	No	Loose flock of 25 BH Gulls flying north towards L. Derg.
1	Flanagans	21/12/2020	TK		16:20	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		16:25	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
1	Flanagans	21/12/2020	TK		16:30	BH	8	No	-	No	No	No	8 BH gulls perched in vicinity of VP
3	Two Mile Gate	22/12/2020	TK	1	11:08	TU	8	Yes	N	No	No	No	8 Tufted duck left water and flew across lake out of sight further up lake.
3	Two Mile Gate	22/12/2020	TK	2	11:25	CA	1	Yes	S	No	Yes	No	Cormorant flight down river towards Killaloe out of sight.
3	Two Mile Gate	22/12/2020	TK	3	12:02	BH	4	Yes	S	No	Yes	No	4 BH Gulls flying south towards Killaloe out of sight
3	Two Mile Gate	22/12/2020	TK	4	14:20	BH	2	Yes	S	No	Yes	No	2 BH Gulls flying south towards Killaloe out of sight
3	Two Mile Gate	22/12/2020	TK	5	16:05	BH	100	Yes	-	No	No	No	Approximately 100 BH gulls flew into roost on sheltered bay upstream from VP over a 15-minute period at dusk
2	Clarisford	29/12/2020	TK	1	19:23	BH	5	Yes	N	Yes	No	No	5 BH Gulls flying North towards Killaloe out of sight
2	Clarisford	29/12/2020	TK	2	10:41	CA	1	Yes	S	No	Yes	No	1 Cormorant in flight downstream out of sight toward Parteen.
2	Clarisford	29/12/2020	TK	3	13:52	BH	4	Yes	N	Yes	No	No	4 BH Gulls flying North towards Killaloe out of sight
2	Clarisford	29/12/2020	TK	4	14:55	BH	12	Yes	N	Yes	No	No	Commuting upstream

Lough Derg Vantage Point Surveys January 2021													
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Flying	Bearing	Flying Toward LD	Flying toward Parteen	Flying toward Lower River Sh.	Notes
2	Clarisford	11/01/2021	JG	1	10:58	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	2	11:16	BH	1	Yes	N	Yes	No	No	Left water, flew downstream
2	Clarisford	11/01/2021	JG	3	11:40	TU	8	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	11/01/2021	JG	4	11:46	BH	2	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	11/01/2021	JG	5	12:10	HG	1	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	11/01/2021	JG	6	12:14	BH	1	Yes	S	No	Yes	No	Commuting upstream
2	Clarisford	11/01/2021	JG	7	12:18	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	8	12:24	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	9	12:29	BH	1	Yes	N	No	No	No	Commuting downstream
2	Clarisford	11/01/2021	JG	10	12:39	BH	2	Yes	S	No	Yes	No	Commuting upstream
2	Clarisford	11/01/2021	JG	11	12:55	BH	3	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	12	13:18	BH	2	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	13	14:21	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	14	14:38	BH	1	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	11/01/2021	JG	15	14:42	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	16	15:36	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/01/2021	JG	17	16:14	BH	1	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	11/01/2021	JG	18	16:38	BH	4	Yes	N	Yes	No	No	Commuting upstream

Jacobs TOBIN

Lough Derg Vantage Point Surveys January 2021													
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Flying	Bearing	Flying Toward LD	Flying toward Parteen	Flying toward Lower River Sh.	Notes
3	Two Mile Gate	12/01/2021	JG	1	08:31	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	12/01/2021	JG	2	08:36	BH	4	Yes	N	Yes	No	No	Commuting as per No. 1
3	Two Mile Gate	12/01/2021	JG	3	08:48	BH	1	Yes	S	No	Yes	No	Commuting
3	Two Mile Gate	12/01/2021	JG	4	08:52	BH	1	Yes	N	Yes	No	No	Commuting as per No. 1
3	Two Mile Gate	12/01/2021	JG	5	09:12	BH	2	Yes	S	No	Yes	No	Commuting as per No. 3
3	Two Mile Gate	12/01/2021	JG	6	09:41	BH	1	Yes	N	Yes	No	No	Commuting as per No. 1
3	Two Mile Gate	12/01/2021	JG	7	09:57	BH	1	Yes	N	Yes	No	No	Commuting as per No. 1
3	Two Mile Gate	12/01/2021	JG	8	10:30	ET	1	Yes	E	No	No	No	Left pontoon, flew around and out of view
3	Two Mile Gate	12/01/2021	JG	9	10:32	BH	3	Yes	S	No	Yes	No	Commuting as per No. 3
3	Two Mile Gate	12/01/2021	JG	10	10:40	CA	1	Yes	S	No	Yes	No	Commuting as per No. 3
3	Two Mile Gate	12/01/2021	JG	11	10:48	BH	1	Yes	N	Yes	No	No	Commuting as per No. 1
3	Two Mile Gate	12/01/2021	JG	12	11:18	MA	4	Yes	S	No	Yes	No	Flew south, landed in water near VP
3	Two Mile Gate	12/01/2021	JG	1	11:53	BH	1	Yes	S	No	Yes	No	Commuting
3	Two Mile Gate	12/01/2021	JG	2	11:54	BH	1	Yes	S	No	Yes	No	Commuting, per No. 1
3	Two Mile Gate	12/01/2021	JG	3	12:10	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	12/01/2021	JG	4	12:28	BH	1	Yes	N	Yes	No	No	Commuting, per No. 3
3	Two Mile Gate	12/01/2021	JG	5	12:36	MA	4	Yes	N	Yes	No	No	Left water by VP
3	Two Mile Gate	12/01/2021	JG	6	12:47	BH	1	Yes	N	Yes	No	No	Commuting, per No. 3
3	Two Mile Gate	12/01/2021	JG	7	12:58	BH	2	Yes	N	Yes	No	No	Commuting, per No. 3
3	Two Mile Gate	12/01/2021	JG	8	13:04	MA	1	Yes	N	Yes	No	No	Commuting, close to bank
3	Two Mile Gate	12/01/2021	JG	9	13:22	BH	1	Yes	S	No	Yes	No	Commuting, per No. 1
3	Two Mile Gate	12/01/2021	JG	10	13:31	BH	2	Yes	S	No	Yes	No	Commuting, per No. 1
3	Two Mile Gate	12/01/2021	JG	11	13:50	H.	1	Yes	N	Yes	No	No	Flew upstream, perched near VP on pontoon
3	Two Mile Gate	12/01/2021	JG	12	14:08	H.	1	Yes	N	Yes	No	No	Left perch, continued upstream
1	Flanagans	13/01/2021	JG	1	08:34	BH	1	Yes	N	Yes	No	No	Flew up over bridge, landed in water by VP
1	Flanagans	13/01/2021	JG	2	08:53	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	13/01/2021	JG	3	08:59	BH	1	Yes	N	Yes	No	No	Flew upstream, over bridge
1	Flanagans	13/01/2021	JG	4	09:22	BH	1	Yes	N	Yes	No	No	As per No. 3
1	Flanagans	13/01/2021	JG	5	10:17	BH	1	Yes	N	Yes	No	No	As per No. 3
1	Flanagans	13/01/2021	JG	6	10:44	BH	1	Yes	N	Yes	No	No	As per No. 3
1	Flanagans	13/01/2021	JG	7	10:52	CA	1	Yes	S	No	Yes	No	Flew downstream, over bridge
1	Flanagans	13/01/2021	JG	8	10:54	BH	4	Yes	N	Yes	No	No	Left water, flew upstream
1	Flanagans	13/01/2021	JG	9	11:12	CA	1	Yes	N	Yes	No	No	Flew upstream, over bridge, Per No. 3
1	Flanagans	13/01/2021	JG	10	11:17	BH	1	Yes	N	Yes	No	No	As per NO. 3
1	Flanagans	13/01/2021	JG	1	12:04	BH	1	Yes	S	No	Yes	No	Flew downstream
1	Flanagans	13/01/2021	JG	2	12:32	CA	1	Yes	N	Yes	No	No	Commuting
1	Flanagans	13/01/2021	JG	3	12:56	BH	1	Yes	N	Yes	No	No	Commuting, per No. 2
1	Flanagans	13/01/2021	JG	4	13:01	BH	15	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	5	13:06	BH	1	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	6	13:11	BH	1	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	7	13:20	BH	7	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	8	13:32	BH	1	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	9	13:34	BH	1	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	10	13:42	BH	4	Yes	N	Yes	No	No	Left water, flew upstream
1	Flanagans	13/01/2021	JG	11	13:48	BH	2	Yes	S	No	Yes	No	Flew downstream, landed in water
1	Flanagans	13/01/2021	JG	12	13:49	BH	5	Yes	S	No	Yes	No	Left water and flew downstream
1	Flanagans	13/01/2021	JG	13	13:51	BH	2	Yes	S	No	Yes	No	Commuting downstream, per No. 1
1	Flanagans	13/01/2021	JG	14	14:02	BH	1	Yes	S	No	Yes	No	Commuting downstream, per No. 1
1	Flanagans	13/01/2021	JG	15	14:25	BH	1	Yes	N	Yes	No	No	Commuting upstream, per No. 2
1	Flanagans	13/01/2021	JG	16	14:27	BH	1	Yes	N	Yes	No	No	Flew upstream, landed in water
1	Flanagans	13/01/2021	JG	17	14:34	BH	27	Yes	N	Yes	No	No	Flew upstream, landed in water, per No. 16
1	Flanagans	13/01/2021	JG	18	14:35	HG	1	Yes	S	No	Yes	No	Left water, flew downstream, per No. 12

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Lough Derg Vantage Point Surveys February 2021													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Flying**	**Bearing**	**Flying Toward LD**	**Flying toward Parteen**	**Flying toward Lower River Sh.**	**Notes**
3	Two Mile Gate	09/02/2021	JG	1	11:59	BH	1	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	09/02/2021	JG	2	12:48	KF	1	Yes	NE	No	No	No	Flew around pontoon
3	Two Mile Gate	09/02/2021	JG	3	12:55	BH	1	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	4	12:59	BH	1	Yes	N	Yes	No	No	Flew over pontoon
3	Two Mile Gate	09/02/2021	JG	5	13:04	BH	3	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	6	13:23	BH	1	Yes	S	No	Yes	No	Commuting
3	Two Mile Gate	09/02/2021	JG	7	13:41	MA	2	Yes	S	No	Yes	No	Flew around Pontoon, landed by VP
3	Two Mile Gate	09/02/2021	JG	8	13:43	BH	1	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	9	14:17	BH	1	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	10	15:09	BH	1	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	11	15:11	BH	1	Yes	S	No	Yes	No	Per No. 6
3	Two Mile Gate	09/02/2021	JG	12	15:24	MA	2	Yes	N	Yes	No	No	Left water by VP, flew North around Pontoon
3	Two Mile Gate	09/02/2021	JG	13	15:33	BH	4	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	14	16:46	BH	3	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	15	16:51	BH	1	Yes	S	No	Yes	No	Per No. 6
3	Two Mile Gate	09/02/2021	JG	16	16:52	BH	1	Yes	S	No	Yes	No	Per No. 6
3	Two Mile Gate	09/02/2021	JG	17	17:02	BH	9	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	18	17:05	BH	3	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	19	17:07	BH	3	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/02/2021	JG	20	17:17	BH	14	Yes	N	Yes	No	No	Per No. 1
1	Flanagans	10/02/2021	JG	1	11:53	BH	1	Yes	N	Yes	No	No	Flew over bridge upstream
1	Flanagans	10/02/2021	JG	2	12:04	BH	1	Yes	N	Yes	No	No	Flew over bridge, landed in water
1	Flanagans	10/02/2021	JG	3	12:20	BH	4	Yes	S	No	Yes	No	Flew downstream, landed on water in front of VP
1	Flanagans	10/02/2021	JG	4	12:33	BH	3	Yes	N	Yes	No	No	Left water, flew upstream
1	Flanagans	10/02/2021	JG	5	12:35	BH	3	Yes	S	No	Yes	No	As per No. 3
1	Flanagans	10/02/2021	JG	6	12:36	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	7	12:50	BH	1	Yes	N	Yes	No	No	As per No. 2
1	Flanagans	10/02/2021	JG	8	13:04	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	9	13:06	BH	1	Yes	N	Yes	No	No	As per No. 2
1	Flanagans	10/02/2021	JG	10	13:31	BH	4	Yes	S	No	Yes	No	As per No. 3
1	Flanagans	10/02/2021	JG	11	13:39	BH	1	Yes	S	No	Yes	No	Flew downstream, over bridge
1	Flanagans	10/02/2021	JG	12	15:03	MS	1	Yes	S	No	Yes	No	Flew downstream, landed in water by VP
1	Flanagans	10/02/2021	JG	13	15:09	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	14	15:19	BH	1	Yes	N	Yes	No	No	As per No. 4
1	Flanagans	10/02/2021	JG	15	15:25	BH	4	Yes	S	No	Yes	No	As per No. 11
1	Flanagans	10/02/2021	JG	16	15:33	BH	2	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	17	15:40	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	18	15:45	BH	5	Yes	N	Yes	No	No	As per No. 2
1	Flanagans	10/02/2021	JG	19	15:52	BH	17	Yes	N	Yes	No	No	As per No. 2
1	Flanagans	10/02/2021	JG	20	15:58	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	21	16:13	BH	2	Yes	S	No	Yes	No	As per No. 11
1	Flanagans	10/02/2021	JG	22	16:18	BH	13	Yes	S	No	Yes	No	As per No. 11
1	Flanagans	10/02/2021	JG	23	16:30	BH	1	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	24	16:52	BH	5	Yes	N	Yes	No	No	As per No. 2
1	Flanagans	10/02/2021	JG	25	16:57	BH	2	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	26	16:59	BH	3	Yes	N	Yes	No	No	As per No. 3
1	Flanagans	10/02/2021	JG	27	17:01	BH	1	Yes	S	No	Yes	No	As per No. 11
1	Flanagans	10/02/2021	JG	28	17:22	BH	1	Yes	S	No	Yes	No	As per No. 11
1	Flanagans	10/02/2021	JG	29	17:24	MA	1	Yes	S	No	Yes	No	As per No. 11
1	Flanagans	10/02/2021	JG	30	17:29	BH	51	Yes	N	Yes	No	No	As per No. 1
1	Flanagans	10/02/2021	JG	31	17:52	BH	2	Yes	N	Yes	No	No	As per No. 1
2	Clarisford	11/02/2021	JG	1	07:42	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	11/02/2021	JG	2	07:48	BH	1	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	3	08:07	BH	4	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	4	08:14	BH	1	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	11/02/2021	JG	5	08:39	BH	3	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	6	09:02	BH	1	Yes	N	Yes	No	No	Per No. 1

Lough Derg Vantage Point Surveys February 2021													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Flying**	**Bearing**	**Flying Toward LD**	**Flying toward Parteen**	**Flying toward Lower River Sh.**	**Notes**
2	Clarisford	11/02/2021	JG	7	09:08	BH	1	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	8	09:43	BH	1	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	9	09:57	BH	1	Yes	S	No	Yes	No	Per No. 1
2	Clarisford	11/02/2021	JG	10	10:14	BH	1	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	11	11:03	CA	1	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	12	11:25	BH	3	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	13	11:32	BH	1	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	14	11:33	BH	1	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	15	11:48	BH	1	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	16	12:09	BH	2	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	17	12:23	H.	1	Yes	S	No	Yes	No	Per No. 4
2	Clarisford	11/02/2021	JG	18	12:55	BH	1	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	19	13:08	CA	1	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	20	13:21	BH	1	Yes	N	Yes	No	No	Per No. 1
2	Clarisford	11/02/2021	JG	21	13:43	BH	5	Yes	N	Yes	No	No	Per No. 1

Lough Derg Vantage Point Surveys March 2021													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Flying**	**Bearing**	**Flying Toward LD**	**Flying toward Parteen**	**Flying toward Lower River Sh.**	**Notes**
2	Clarisford	08/03/2021	JG	1	14:55	BH	1	Yes	S	No	Yes	No	Commuting downstream
2	Clarisford	08/03/2021	JG	2	15:01	BH	2	Yes	S	No	Yes	No	Per No. 1
2	Clarisford	08/03/2021	JG	3	15:03	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	08/03/2021	JG	4	16:17	BH	1	Yes	S	No	Yes	No	Per No. 1
2	Clarisford	08/03/2021	JG	5	16:33	CA	1	Yes	N	Yes	No	No	Per No. 3
2	Clarisford	08/03/2021	JG	6	16:39	MS	1	Yes	S	No	Yes	No	Flew low downstream, landed in water by VP
2	Clarisford	08/03/2021	JG	7	16:50	BH	1	Yes	N	Yes	No	No	Per No. 1
3	Two Mile Gate	09/03/2021	JG	1	07:08	BH	1	Yes	S	No	Yes	No	Commuting downstream
3	Two Mile Gate	09/03/2021	JG	2	07:22	BH	1	Yes	S	No	Yes	No	Per No. 1
3	Two Mile Gate	09/03/2021	JG	3	07:49	BH	2	Yes	N	Yes	No	No	Commuting upstream
3	Two Mile Gate	09/03/2021	JG	4	08:13	MA	3	Yes	S	No	Yes	No	Flew low around pontoon, landed in water by VP
3	Two Mile Gate	09/03/2021	JG	5	08:17	BH	1	Yes	N	Yes	No	No	Per No. 3
3	Two Mile Gate	09/03/2021	JG	6	08:43	BH	1	Yes	S	No	Yes	No	Per No. 1
3	Two Mile Gate	09/03/2021	JG	7	09:02	BH	1	Yes	S	No	Yes	No	Per No. 1
3	Two Mile Gate	09/03/2021	JG	8	10:42	CA	1	Yes	S	No	Yes	No	Flew low downstream, close to pontoon
3	Two Mile Gate	09/03/2021	JG	9	11:19	BH	4	Yes	N	Yes	No	No	Per No. 3
3	Two Mile Gate	09/03/2021	JG	10	11:24	BH	1	Yes	N	Yes	No	No	Per No. 3
3	Two Mile Gate	09/03/2021	JG	11	12:48	BH	1	Yes	S	No	Yes	No	Per No. 1
1	Flanagans	10/03/2021	JG	1	07:14	BH	1	Yes	N	Yes	No	No	Left water, flew upstream
1	Flanagans	10/03/2021	JG	2	07:21	BH	1	Yes	N	Yes	No	No	Per No. 1
1	Flanagans	10/03/2021	JG	3	07:46	BH	1	Yes	N	Yes	No	No	Commuting upstream
1	Flanagans	10/03/2021	JG	4	08:38	BH	3	Yes	N	Yes	No	No	Per No. 3
1	Flanagans	10/03/2021	JG	5	09:12	BH	1	Yes	S	No	Yes	No	Commuting downstream
1	Flanagans	10/03/2021	JG	6	10:44	BH	1	Yes	S	No	Yes	No	Per No. 5
1	Flanagans	10/03/2021	JG	7	10:51	BH	1	Yes	S	No	Yes	No	Per No. 5
1	Flanagans	10/03/2021	JG	8	11:15	BH	1	Yes	N	Yes	No	No	Flew upstream, landed in water by VP
1	Flanagans	10/03/2021	JG	9	11:40	BH	1	Yes	S	No	Yes	No	Per No. 5
1	Flanagans	10/03/2021	JG	10	12:06	BH	2	Yes	N	Yes	No	No	Per No. 3
1	Flanagans	10/03/2021	JG	11	12:17	BH	4	Yes	N	Yes	No	No	Per No. 3
1	Flanagans	10/03/2021	JG	12	12:24	BH	1	Yes	S	No	Yes	No	Per No. 5

Lough Derg Vantage Point Surveys April 2021												
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Flying	Bearing	Flying Toward LD	Flying toward Parteen	Flying toward Lower River Sh.	Notes
2	Clarisford	12/04/2021	JG	1	15:53	CA	1	Yes	S	No	Yes	No	Left Perch and flew D/S
2	Clarisford	12/04/2021	JG	2	16:11	MA	1	Yes	N	Yes	No	No	Flew upstream, landed by VP
2	Clarisford	12/04/2021	JG	3	18:09	BH	1	Yes	N	Yes	No	No	Commuting upstream
2	Clarisford	12/04/2021	JG	4	19:37	BH	3	Yes	S	No	Yes	No	Commuting Downstream
2	Clarisford	12/04/2021	JG	5	19:55	BH	1	Yes	N	Yes	No	No	Flight as per ref 3
2	Clarisford	12/04/2021	JG	6	20:27	BH	1	Yes	N	Yes	No	No	Flight as per ref 3
3	Two Mile Gate	13/04/2021	JG	1	07:23	CA	1	Yes	S	No	Yes	No	Commuting D/S
3	Two Mile Gate	13/04/2021	JG	2	07:51	MA	2	Yes	S	No	Yes	No	Flew S landed by VP
3	Two Mile Gate	13/04/2021	JG	5	08:01	MA	3	Yes	S	No	Yes	No	Flight as per ref 2
3	Two Mile Gate	13/04/2021	JG	6	08:29	BH	1	Yes	S	No	Yes	No	Flight as per ref 1
3	Two Mile Gate	13/04/2021	JG	3	08:34	BH	4	Yes	N	Yes	No	No	Commuting
3	Two Mile Gate	13/04/2021	JG	7	09:03	CA	1	Yes	S	No	Yes	No	Flight as per ref 1
3	Two Mile Gate	13/04/2021	JG	8	10:14	BH	1	Yes	N	Yes	No	No	Flight as per ref 3
3	Two Mile Gate	13/04/2021	JG	9	10:27	BH	1	Yes	N	Yes	No	No	Flight as per ref 3
3	Two Mile Gate	13/04/2021	JG	4	11:11	BH	6	Yes	S	No	Yes	No	Flew D/S calling, landed by VP
3	Two Mile Gate	13/04/2021	JG	10	12:11	BH	1	Yes	N	Yes	No	No	Flight as per ref 3
3	Two Mile Gate	13/04/2021	JG	11	12:58	MA	1	Yes	S	No	Yes	No	Flight as per ref 1
1	Flanagans	14/04/2021	JG	1	06:48	BH	1	Yes	N	Yes	No	No	Commuting U/S
1	Flanagans	14/04/2021	JG	6	07:12	BH	2	Yes	N	Yes	No	No	Commuting U/S
1	Flanagans	14/04/2021	JG	2	07:18	HG	1	Yes	S	No	Yes	No	Commuting D/S
1	Flanagans	14/04/2021	JG	7	07:27	BH	1	Yes	S	No	Yes	No	Commuting D/S
1	Flanagans	14/04/2021	JG	8	07:59	CA	1	Yes	N	Yes	No	No	Flight as per ref 1
1	Flanagans	14/04/2021	JG	9	08:11	BH	1	Yes	S	No	Yes	No	Flight as per ref 2
1	Flanagans	14/04/2021	JG	3	08:16	BH	4	Yes	N	Yes	No	No	Flew U/S, landed by VP
1	Flanagans	14/04/2021	JG	10	08:44	BH	1	Yes	N	Yes	No	No	Flight as per ref 1
1	Flanagans	14/04/2021	JG	4	09:23	BH	3	Yes	S	No	Yes	No	Left water, flew D/S
1	Flanagans	14/04/2021	JG	11	09:29	CA	1	Yes	S	No	Yes	No	Flight as per ref 2
1	Flanagans	14/04/2021	JG	5	10:34	BH	1	Yes	N	Yes	No	No	Flew U/S, landed briefly in water and continued North
1	Flanagans	14/04/2021	JG	12	11:26	BH	1	Yes	N	Yes	No	No	Flight as per ref 1
1	Flanagans	14/04/2021	JG	13	12:29	BH	1	Yes	N	Yes	No	No	Flight as per ref 1
1	Flanagans	14/04/2021	JG	16	12:33	BH	1	Yes	S	No	Yes	No	Flight as per ref 1

Corridor Vantage Point Survey Results 2020/2021:

Corridor Vantage Point Surveys November 2020													
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Habitats			Flight Duration (sec)	Flight Height (m)	Bearing	Notes
4	RWI	16/11/2020	JM	1	10:40	BH	10	GA1			NA	NA		Flock in field near VP throughout rain
4	RWI	16/11/2020	JM	2	16:05	K.	1	GA1	WD4		60	15	N	Hunting- hovering and circling over wood and grassland. Headed north oov
6	BPT	17/11/2020	SC	1	10:06	BZ	1	WD1	GA1		18	20	W	Hunting over woodland, flew out over GA1 and oov
6	BPT	17/11/2020	SC	2	10:16	K.	1	WD1	GA1	WS1	200	5 - 18		Hunting- hovering and circling over wood and grassland. Headed back into wood and oov
6	BPT	17/11/2020	SC	3	10:22	K.	1	WD1	GA1	WS1	260	0.5 - 16		Hunting flight, perched in tree in hedgerow.
6	BPT	17/11/2020	SC	3	10.37	K.	1	WD1	GA1	WS1	130	4 - 16	W	Same K. as 3. Took off from tree and flew W hunting over GA1
6	BPT	17/11/2020	SC	4	10:52	K.	1	WD1	GA1	WS1	50	2 - 14	E	Hunting flight. Flew into wood and oov.
5	WTP	17/11/2020	JM	1	10:25	CA	1	GA1			120	30	E	Single bird flying E
5	WTP	17/11/2020	JM	2	11:30	BH	30	GA1			55	25	E	Flock of 30 landed in field below VP and flew

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Corridor Vantage Point Surveys November 2020														
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Habitats			Flight Duration (sec)	Flight Height (m)	Bearing	Notes
														E
7	BPS	18/11/2020	SC	1	11:00	K.	1	GA1	WL2		2	2	W	Flew along treeline and road
8	TPR	19/11/2020	SC	0	11:05	BZ	1	BC1	WL1	WL2				Calling to W of VP. Heard not observed
8	TPR	19/11/2020	SC	0	11:45	GP		BC1	WL1	WL2				Calling to W of VP. Heard not observed
8	TPR	19/11/2020	SC	1	11:52	BZ	1	ED1	BC1		20	1-4	N & NW	Hunting over ED2, flew N and landed on hedge for 5 mins. HC started to mob. BZ flew NW over hedge and OOV. Flushed GP
8	TPR	19/11/2020	SC	2	12:06	GP	4	BC1	WL1		5	0-2	E	Flushed by BZ from field, flew E and landed.
8	TPR	19/11/2020	SC	3	13:19	BZ	1	BC1	WL1		10	2-8	N	Flew across BC1 and landed on hedge
8	TPR	19/11/2020	SC	3	13:20	BZ	1	BC1	WL1		8	2-8	S	Same BZ as 3. Took off from hedge and flew S.
8	TPR	19/11/2020	SC	1	15:03	BZ	2	BC1	WL1		20	1-8	W	Flew W from hospital and landed on telegraph pole before flying on to woodland by farm to W

Corridor Vantage Point Surveys December 2020														
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Habitats			Flight Duration (sec)	Flight Height (m)	Bearing	Notes
4	RWI	14/12/2020	JM	1	10:30	CU	30	GS4			NA	NA	NA	Flock of 30 present feeding on wet grassland near waterway
4	RWI	14/12/2020	JM	2	10:30	BH	25	GA1			NA	NA		Flock in field near VP roosting onsite throughout survey period
4	RWI	14/12/2020	JM	3	14:20	BZ	1	GA1	WD4		100	60		Soaring over grassland and forestry and flew N oov
6	BPT	15/12/2020	SC	1	10:32	CA	2	GA1	WD2		8	20	SSW	Commuting
6	BPT	15/12/2020	SC	2	13:14	BZ	1	WD2	GA1		20	4-10	N -W-S	Flew from woodland, circled round field while being mobbed by HC before flying oov back over woodland.
6	BPT	15/12/2020	SC	3	13:44	BZ	1	WD2	GA1		12	4-10	NNE	Flew from wood hunting across field and oov
6	BPT	15/12/2020	SC	4	13:59	K.	1	WD2	GA1		8	2-4	N-W-S	Flew out of woodland, hunted hovering over field and into treeline and oov
5	WTP	15/12/2020	JM	1	12:40	GZ	1	GA1			50	35	NE	Single bird flying NE
5	WTP	15/12/2020	JM	2	14:15	CA	2	GA1			65	65	E	Pair flying E
7	BPS	16/12/2020	SC	1	13:49	SH	1	GA1	WL2		4	3	S	Flew S across field and over WL2 and oov.
7	BPS	16/12/2020	SC	2	13:52	SH	1	GA1	WL2		4	3	SE	Flew SE across field and landed in tree. Flushed by surveyor and flew oov.
8	TPR	17/12/2020	SC	1	08:20	BZ	1	BC1	WL1		6	1-3	NNE	Hunting along hedgerow before disappearing oov having been joined by a second BZ
8	TPR	17/12/2020	SC	2	08:55	HG	1	BC1	WL1		12	4	W	Commuting
8	TPR	17/12/2020	SC	3	09:02	CG	1	BC1	WL1		14	4	NW	Commuting
8	TPR	17/12/2020	SC	4	09:06	SH	1	BC1	WL1		4	3	SSW	Flew past VP to treeline round the hospital and oov
8	TPR	17/12/2020	SC	5	09:19	MS	4	WL2	FW3		55	6	W	Commuting along the Grand Canal. 2 adults and 2 juveniles. Too far to ID definitively as MS.
8	TPR	17/12/2020	SC	6	09:31	CG	2	BC1	WL1		16	4	NW	Commuting as 3
8	TPR	17/12/2020	SC	7	09:34	CG	2	BC1	WL1		16	4	NW	Commuting as 3

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Corridor Vantage Point Surveys December 2020													
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Habitats			Flight Duration (sec)	Flight Height (m)	Bearing	Notes
8	TPR	17/12/2020	SC	8	10:38	CG	1	BC1	WL1		16	4	NW	Commuting as 3
8	TPR	17/12/2020	SC	9	11:05	SH	1	BC1	WL1		12	2-4	NW	Flew from behind VP, across fields being mobbed by 2 HC and landed in conifers oov.
8	TPR	17/12/2020	SC	1	11:42	K.	1	GA1	BC1	WL2	190	2-6		Hunting over GA2 then flew into tree and perched
8	TPR	17/12/2020	SC	2	11:44	K.	1	GA1	BC1	WL2	300	2-6		Same as above, flew from tree, hunted for 5 mins before disappearing oov behind WL2
8	TPR	17/12/2020	SC	3	13:38	K.	1	GA1	BC1	WL2	64	3-5		Hunting N, landed on electricity pole for 6s before hunting back towards treeline and oov.

Corridor Vantage Point Surveys January 2021														
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Habitats			Flight Duration (sec)	Flight Height (m)	Bearing	Notes
4	RWI	18/01/2021	JM	1	11:12	CU	26	GS4			NA	NA		Flock of 26 present feeding on wet grassland near waterway
4	RWI	18/01/2021	JM	2	15:22	WS	12	GA1			75	25		Small flock seen flying NW
6	BPT	19/01/2021	SC	1	12:25	K.	1	WD2	GA1	WL2	8	4-2	E	Not hunting. Flew directly E over treeline, across GA1, up over WD2 and oov.
6	BPT	19/01/2021	SC		14:46	BZ	1	WD2						Heard calling to S os VP
5	WTP	19/01/2021	JM	1	11:12	K.	1	GA1			250	5 - 18	E	Hunting flight, perched in tree in hedgerow.
5	WTP	19/01/2021	JM	2	11:30	BZ	1	GA1			105	50	E	Soaring over grassland and forestry and flew W oov
5	WTP	19/01/2021	JM	3	15:20	CA	1	GA1			125	40	E	Single bird flying E
7	BPS	20/01/2021	SC	1	15:32	SH	1	GA1	WL1		4	1-2	NE	Flew from gate across field and over hedge and oov. A minute later the flock of FF took off from trees to NE of VP
8	TPR	21/01/2021	SC	1	12:10	K.	1	BL1	WL2	WL1	4	1-2	W	Came from treeline by hospital and flew low along hedgerow and oov.

Corridor Vantage Point Surveys February 2021														
VP Number	Location	Date	Observer	Observation/Flight Number	Observation Time	BTO Code	Number	Habitats			Flight Duration (sec)	Flight Height (m)	Bearing	Notes
8	TPR	08/02/2021	SC	1	13:16	K.	1	BC1	WL1		12	1-4	S	Being mobbed by HC
8	TPR	08/02/2021	SC	2	14:52	K.	1	BC1	WL1		3	1-2	NE	Flew low along hedge and oov
8	TPR	08/02/2021	SC	3	15:09	K.	1	BC1	WL1		134	3-5		Circling round rough ground, hunting
6	BPT	10/02/2021	SC		07:55	BZ	1	WD2						Heard calling from wood to SE of VP
6	BPT	10/02/2021	SC	1	09:00	K.	1	WD2	GA1		6	4-6	N	Flew out from wood, over VP and oov
6	BPT	10/02/2021	SC	2	09:25	K.	1	GA1	WL2		240	1-6	S - E	Flew S and landed in tree in WL2 to SE of VP. Perched for 2 minutes before flying to hawthorn bush in middle of field. Perched for 60s before flying E across field, over WL2 and oov.
6	BPT	10/02/2021	SC		13:29	BZ	1	GA1	WD2					Heard calling from over wood to SW of VP
7	BPS	11/02/2021	SC	1	08:29	SH	1	GA1	WL2		30	2-6	NW	Hunting across farmland. Flock of SG, RE and FF took off from foraging in field to WL2
7	BPS	11/02/2021	SC	2	12:05	SH	1	GA1	WL1		6	2-1	W	Hunting low across fields and hedges
4	RWI	15/02/2021	JM	1	09:25	CU	21	GS4			NA	NA	W	Flock feeding on wet grassland near waterbody
4	RWI	15/02/2021	JM	2	13:45	HH	1	GA1	WS1		120	5 - 18		Male flying over scrub hunting headed W oov

Corridor Vantage Point Surveys February 2021													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Habitats**			**Flight Duration (sec)**	**Flight Height (m)**	**Bearing**	**Notes**
4	RWI	15/02/2021	JM	3	15:08	K.	1	GA1			200	5 - 18		Hunting- hovering and circling over wood and grassland. Headed back into wood and oov
5	WTP	16/02/2021	JM	1	09:15	CA	1	GA1			125	40	E	Single bird flying E
5	WTP	16/02/2021	JM	2	11:30	BZ	2	GA1			130	50-70	W	Soaring birds possibly territorial flight over forestry

Corridor Vantage Point Surveys March 2021													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Habitats**			**Flight Duration (sec)**	**Flight Height (m)**	**Bearing**	**Notes**
4	RWI	22/03/2021	JM	1	12:12	HH	1	GA1			45	10-20	S	Female hunting over grassland headed S oov
4	RWI	22/03/2021	JM	2	14:05	WS	10	GA1			110	30	N	Small flock seen flying N
6	BPT	23/03/2021	SC	1	12:31	K.	1	WD2	GA1		6	8	NNW	Flew directly to W of VP
6	BPT	23/03/2021	SC	2	13:36	BZ	4	WD2			280	10-20	E	Circling and calling over wood to S of VP
5	WTP	23/03/2021	JM	1	13:18	GZ	1	GA1			205	25	E	Single bird flying E
7	BPS	24/03/2021	SC	1	11:25	BZ	1	GA1	WL1		60	12	E	Hunting and circling
7	BPS	24/03/2021	SC	2	11:58	SH	1	GA1	WL2		2	2	E	Hunting B. down along hedgerow
8	TPR	25/03/2021	SC	1	11:55	GB	1	BC1	WL2		120	8-10	SW	Meandering flight
8	TPR	25/03/2021	SC	2	11:59	BZ	1	WL2	BC1		180	10-16	SW	Calling and circling over hospital
8	TPR	25/03/2021	SC	3	16:16	GB	2	BC1	WL2		130	8-12	E	Meandering flight
8	TPR	25/03/2021	SC	4	16:45	K.	1	WL2	GA2		80	6-8		Hunting
8	TPR	25/03/2021	SC	5	17:52	GB	4	BC1	WL1		90	4-10	E	Meandering flight

Corridor Vantage Point Surveys April 2021													
VP Number	**Location**	**Date**	**Observer**	**Observation/Flight Number**	**Observation Time**	**BTO Code**	**Number**	**Habitats**			**Flight Duration (sec)**	**Flight Height (m)**	**Bearing**	**Notes**
6	BPT	07/04/2021	SC	1	11:53	BZ	1	WD2	GA1		60	8	S	Flew briefly out of wood, mobbed by HC before turning S and oov
6	BPT	07/04/2021	SC	2	12:27	BZ	1	WD2			190	8-10	W	Hunting over wood and out of view
6	BPT	07/04/2021	SC	3	12:33	BZ	1	WD2			220	10-12	E	Hunting over wood and out of view
7	BPS	08/04/2021	SC	1	08:56	LB	1	GA1	WL1		12	8	NW	Commuting
5	WTP	08/04/2021	JM	1	07:30	BZ	1	WD4			150	30-70	W	Soaring bird high over conifer forestry
8	TPR	09/04/2021	SC	1	07:07	GB	5	BC1	WL1		190	10	SW	Commuting
8	TPR	09/04/2021	SC	2	07:52	HG	1	BC1	WL1		210	8	W	Commuting
8	TPR	09/04/2021	SC	3	07:58	H.	1	BC1	WL1		280	14	NW	Commuting towards canal. Hunting over crops
8	TPR	09/04/2021	SC	4	08:52	SH	1	BC1	WL1		5	2	S	Hunting, circling over hospital and adjacent woodland
8	TPR	09/04/2021	SC	1	12:11	BZ	2	WD2	GA2		50	20	S	Hovering, circling over hospital and adjacent woodland
8	TPR	09/04/2021	SC	2	12:45	K.	1	WD2	GA2		40	8		Hovering, circling over hospital and adjacent woodland
8	TPR	09/04/2021	SC	3	12:48	K.	2	WD2	GA2		250	6-8	E	Hunting, circling over cropland before heading E and out of view
8	TPR	09/04/2021	SC	4	13:00	BZ	1	BC1	WL1		80	10-14	S	Hunting, circling over cropland before heading E and out of view
8	TPR	09/04/2021	SC	5	13:10	K.	1	BC1	GA2		21	8		

38kV Vantage Point Survey Results:

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38kV Vantage Point Surveys October 2020															
Date	VP	Surveyor	Observation No.	Observation Time	BTO code	No. of Birds	Flying	Perched/Swim	Bearing	Flying toward LD	Flying toward Parteen	Flying toward Lower River Shannon	Above/ Below Current Line	Flight Height (m)	Notes
28/10/2020	Coollisteige	LB	1	10:05	CA	1	Yes	No	SW	No	No	Yes	Below	1	1m Above water
28/10/2020	Coollisteige	LB	2	10:35	BH	1	Yes	No	SW	No	No	Yes	Above	18	3 m above power line
28/10/2020	Coollisteige	LB	3	12:10	CA	1	Yes	No	N	No	No	No	Below	20	2-5m above powerline
28/10/2020	Coollisteige	LB	4	14:00	BH	3	Yes	No	SW	No	No	Yes	Above	25	10m above powerline
28/10/2020	Coollisteige	LB	5	15:30	CA	3	No	Yes	N/A	No	No	No	Below	N/A	Roosting at water edge on logs, 1 adult and 2 1st winter birds
29/10/2020	Kildoorus (By Rowing Club)	LB	1	09:05	HG	1	Yes	No	S	No	No	Yes	Above	10	
29/10/2020	Kildoorus (By Rowing Club)	LB	2	10:00	BH	1	Yes	No	S	No	No	Yes	Above	10	
29/10/2020	Kildoorus (By Rowing Club)	LB	3	10:40	BH	3	Yes	No	S	No	No	Yes	Above	25	
29/10/2020	Kildoorus (By Rowing Club)	LB	4	11:30	MA	3	Yes	No	S	No	No	Yes	Above	20	
29/10/2020	Kildoorus (By Rowing Club)	LB	5	12:30	MA	6	Yes	No	N	No	Yes	No	Above	25	
29/10/2020	Kildoorus (By Rowing Club)	LB	6	14:30	HG	1	Yes	No	S	No	No	Yes	Above	25	
29/10/2020	Kildoorus (By Rowing Club)	LB	7	14:35	MA	3	Yes	No	N	No	Yes	No	Above	10	
30/10/2020	O'Brien's Bridge	LB	2	09:00	CA	1	Yes	No	NE	No	Yes	No	Below	1	1m Above water
30/10/2020	O'Brien's Bridge	LB	3	09:30	CA	1	Yes	No	NE	No	Yes	No	Below	1	1m Above water
30/10/2020	O'Brien's Bridge	LB	4	10:25	RK	1	Yes	No	SW	No	No	Yes	Below	1	1m Above water
30/10/2020	O'Brien's Bridge	LB	5	10:30	BH	1	Yes	No	NE	No	Yes	No	Above	5	5m above water
30/10/2020	O'Brien's Bridge	LB	6	11:20	CA	1	Yes	No	NE	No	Yes	No	Above	20	3 to 5 m, bird increased height on approach to overhead line
30/10/2020	O'Brien's Bridge	LB	7	14:30	MA	4	Yes	No	NE	No	Yes	No	Above	45	20mk above overhead line
30/10/2020	O'Brien's Bridge	LB	8	08:40	MA	2	No	Yes	N/A	No	No	No	Below	0	2 on water for 30mins
30/10/2020	O'Brien's Bridge	LB	9	13:00	CA	1	No	Yes	N/A	No	No	No	Below	0	feeding/foraging
30/10/2020	O'Brien's Bridge	LB	10	13:50	MA	4	No	Yes	N/A	No	No	No	Below	0	On water below overhead lines

38kV Vantage Point Surveys November 2020															
Date	VP	Surveyor	Observation No.	Observation Time	BTO Code	No. of Birds	Flying	Perched/Swim	Bearing	Flying toward LD	Flying toward Parteen	Flying toward Lower River Shannon	Above/ Below Current Line	Flight Height (m)	Notes
16/11/2020	O'Brien's Bridge	LB	1	16:35	MS	2	Yes	No	NE	No	Yes	No	Below	1	
17/11/2020	Coollisteige	LB	5	15:15	BH	1	Yes	No	N	No	Yes	No	Above	20	
17/11/2020	Coollisteige	LB	1	15:15	MS	4	No	Yes	N/A	No	No	No	Below	0	On canal for 2hrs
17/11/2020	Coollisteige	LB	6	15:40	MS	2	Yes	No	NW	No	Yes	No	Above	25	10m above powerline
17/11/2020	Coollisteige	LB	7	15:40	K.	1	Yes	Yes	W	No	No	No	Below	10	Flew across canal below powerlines, perched for 2min on pylon before flying west.
17/11/2020	Coollisteige	LB	8	15:45	MA	2	Yes	No	SW	No	No	Yes	Above	30	
17/11/2020	Coollisteige	LB	1	07:20	MS	1	No	Yes	N/A	No	No	No	Below	0	
17/11/2020	Coollisteige	LB	1	07:30	MS	3	No	Yes	N/A	No	No	No	Below	0	
17/11/2020	Coollisteige	LB	2	08:00	CA	1	Yes	No	S	No	No	Yes	Above	30	
17/11/2020	Coollisteige	LB	3	08:15	BH	1	Yes	No	S	No	No	Yes	Below	1	1m Above water
17/11/2020	Coollisteige	LB	3	08:40	BH	1	Yes	No	S	No	No	Yes	Above	25	10m above powerline
17/11/2020	Coollisteige	LB	3	09:00	BH	1	Yes	No	S	No	No	Yes	Above	20	5m above powerlines
17/11/2020	Coollisteige	LB	4	09:20	MS	6	Yes	No	S	No	No	Yes	Below	1	<1m above water
18/11/2020	Kildoorus (By Rowing Club)	LB	1	15:05	BH	1	Yes	No	SE	No	No	Yes	Above	30	
18/11/2020	Kildoorus (By Rowing Club)	LB	2	15:30	MA	1	Yes	No	NW	No	Yes	No	Below	2	
18/11/2020	Kildoorus (By Rowing Club)	LB	3	16:20	MA	1	Yes	No	E	No	No	Yes	Below	2	
18/11/2020	O'Brien's Bridge	LB	2	07:25	MS	2	No	Yes	N/A	No	No	No	Below	0	Present on water
18/11/2020	O'Brien's Bridge	LB	2	08:20	MS	1	No	Yes	N/A	No	No	No	Below	0	Third MS on water
18/11/2020	O'Brien's Bridge	LB	3	09:30	SN	6	Yes	No	N	No	No	No	Below	3	Flying along, bank and water, land on bank
18/11/2020	O'Brien's Bridge	LB	4	09:30	RK	2	Yes	No	N	No	No	No	Below	6	flying along bank above water
18/11/2020	O'Brien's Bridge	LB	5	09:45	L.	85	Yes	No	N/A	No	No	No	Below	N/A	Flying north of bridge, 100m from existing overhead lines, landed in fields E of River Shannon.
19/11/2020	Ardcloony	JS	1	07:34	BH	4	Yes	No	S	No	No	Yes	Above	25	Commuting S over weir towards millrace/canal
19/11/2020	Ardcloony	JS	2	07:39	CA	1	Yes	No	N	Yes	No	No	Below	5	Flew N towards Killaloe
19/11/2020	Ardcloony	JS	3	07:40	ET	2	Yes	No	NE	Yes	No	No	Below	10	Flew over basin o.o.v.
19/11/2020	Ardcloony	JS	4	07:42	CA	2	Yes	No	S	No	No	Yes	Below	5	Low over water, commuting S past weir
19/11/2020	Ardcloony	JS	5	07:42	CU	7	Yes	No	S	No	No	Yes	Below	10	Commuting S past weir similar to ref 5.

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38kV Vantage Point Surveys November 2020															
Date	VP	Surveyor	Observation No.	Observation Time	BTO Code	No. of Birds	Flying	Perched/Swim	Bearing	Flying toward LD	Flying toward Parteen	Flying toward Lower River Shannon	Above/ Below Current Line	Flight Height (m)	Notes
19/11/2020	Ardcloony	JS	6	07:45	CA	6	Yes	No	S	No	No	Yes	Below	5	Commuting S past weir similar to ref 5.
19/11/2020	Ardcloony	JS	7	07:50	K.	1	Yes	No	E	No	No	No	Above	30	Came from W, flew over basin o.o.v
19/11/2020	Ardcloony	JS	8	08:02	CA	2	Yes	No	N	Yes	No	No	Below	5	As per flight ref 2.
19/11/2020	Ardcloony	JS	9	08:10	GJ	4	Yes	No	S	No	No	Yes	Below	10	Commuting S over weir
19/11/2020	Ardcloony	JS	10	08:12	MS	1	Yes	No	S	No	No	Yes	Below	10	Commuting S over weir
19/11/2020	Ardcloony	JS	11	08:28	KF	1	Yes	No	N	No	Yes	No	Below	1	Came from N along W bank, turned and flew back N
19/11/2020	Ardcloony	JS	12	08:37	BH	6	Yes	No	N	Yes	No	No	Below	7	Flew from canal to spit to N of VP
19/11/2020	Ardcloony	JS	13	08:57	BH	7	Yes	No	S	No	No	Yes	Below	10	Flight similar to ref 1
19/11/2020	Ardcloony	JS	14	09:15	BH	3	Yes	No	S	No	No	Yes	Below	10	Flight similar to ref 1
19/11/2020	Ardcloony	JS	15	09:26	CU	1	Yes	Yes	NW	No	Yes	No	Below	5	Flew from weir, over basin landing on spit to N of VP
19/11/2020	Ardcloony	JS	16	09:45	GJ	1	Yes	No	S	No	No	Yes	Below	2	Low over water, flew S over weir o.o.v.
19/11/2020	Kildoorus (By Rowing Club)	LB	4	07:40	BH	3	Yes	No	S	No	No	Yes	Above	30	
19/11/2020	Kildoorus (By Rowing Club)	LB	4	07:45	BH	25	Yes	No	S	No	No	Yes	Above	30	
19/11/2020	Kildoorus (By Rowing Club)	LB	4	07:50	BH	1	Yes	No	S	No	No	Yes	Above	20	
19/11/2020	Kildoorus (By Rowing Club)	LB	4	07:55	BH	6	Yes	No	S	No	No	Yes	Below	5	5m above water
19/11/2020	Kildoorus (By Rowing Club)	LB	4	08:00	BH	40	Yes	No	S	No	No	Yes	Above	20	
19/11/2020	Kildoorus (By Rowing Club)	LB	2	08:00	BH	1	Yes	No	N	No	Yes	No	Below	2	2m above water
19/11/2020	Kildoorus (By Rowing Club)	LB	5	08:20	L.	80	Yes	No	NW	No	Yes	No	Above	30	
19/11/2020	Kildoorus (By Rowing Club)	LB	4	08:25	BH	1	Yes	No	S	No	No	Yes	Above	30	
19/11/2020	Kildoorus (By Rowing Club)	LB	6	08:25	CA	1	Yes	No	SW	No	No	Yes	Above	40	
19/11/2020	Kildoorus (By Rowing Club)	LB	6	08:35	CA	1	Yes	No	SW	No	No	Yes	Above	40	
19/11/2020	Kildoorus (By Rowing Club)	LB	5	08:45	MA	2	Yes	No	NW	No	Yes	No	Above	50	
19/11/2020	Kildoorus (By Rowing Club)	LB	2	09:20	MA	10	Yes	No	N	No	Yes	No	Below	3	3m above water
19/11/2020	Kildoorus (By Rowing Club)	LB	4	10:20	MA	1	Yes	No	S	No	No	Yes	Above	17	2m above powerline (Near miss)
19/11/2020	Ardcloony	JS		07:30	TU	900	No	Yes	-	No	No	No	Below	-	Large raft split into 3 smaller rafts
19/11/2020	Ardcloony	JS		07:30	MS	10	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	CA	17	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	PO	8	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	WS	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	WN	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	GG	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	CO	20	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	MA	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	LB	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		07:30	L.	30	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		11:00	T.	36	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		11:00	PO	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		11:00	BH	15	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		11:00	MH	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
19/11/2020	Ardcloony	JS		11:00	DI	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
20/11/2020	Ardcloony	JS	1	11:07	BH	2	Yes	No	S	No	No	Yes	Above	30	Flew along W bank towards Canal
20/11/2020	Ardcloony	JS	2	11:15	BH	4	Yes	No	S	No	No	Yes	Above	30	Flight as per flight ref 1.
20/11/2020	Ardcloony	JS	3	11:22	BH	1	Yes	No	N	Yes	No	No	Below	10	Flying towards Killaloe
20/11/2020	Ardcloony	JS	4	11:43	MA	5	Yes	No	N	Yes	No	No	Above	30	Commuting N
20/11/2020	Ardcloony	JS	5	12:05	CA	2	Yes	No	N	No	No	No	Below	2	Flew to wooded island to N of VP
20/11/2020	Ardcloony	JS	6	12:18	GN	3	Yes	No	W	No	No	No	Below	1	flight within basin, males
20/11/2020	Ardcloony	JS	7	12:28	CA	1	Yes	No	S	No	No	Yes	Below	2	Low over water, flew over weir o.o.v.
20/11/2020	Ardcloony	JS	8	13:07	BH	7	Yes	No	S	No	No	Yes	Above	30	over east bank heading downstream.
20/11/2020	Ardcloony	JS	9	13:17	GB	2	Yes	No	N	No	No	No	Above	15	Juv, flying along W bank commuting N.
20/11/2020	Ardcloony	JS	10	13:40	CA	1	Yes	No	S	No	No	Yes	Below	1	Low over water, over weir o.o.v
20/11/2020	Ardcloony	JS	11	13:51	CA	1	Yes	No	N	No	No	No	Below	1	As per flight ref 5

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Date	VP	Surveyor	Observation No.	Observation Time	BTO Code	No. of Birds	Flying	Perched/Swim	Bearing	Flying toward LD	Flying toward Parteen	Flying toward Lower River Shannon	Above/ Below Current Line	Flight Height (m)	Notes
14/12/2020	Coollisteige	LB	1	14:30	CS	1	No	No	-	No	No	No	Below	-	On bank, present throughout survey
14/12/2020	Coollisteige	LB	2	14:30	GE	1	No	No	-	No	No	No	Below	-	On bank, present throughout survey
14/12/2020	Coollisteige	LB	3	14:30	MS	3	No	Yes	-	No	No	No	Below	-	On water, present throughout survey
14/12/2020	Coollisteige	LB	4	15:00	LG	4	No	Yes	-	No	No	No	Below	-	On water
14/12/2020	Coollisteige	LB	5	15:00	MH	6	No	No	-	No	No	No	Below	-	On water and bank
14/12/2020	Coollisteige	LB	6	16:00	SH	1	Yes	No	E	No	No	Yes	Below	6	hunting
14/12/2020	Coollisteige	LB	7	16:05	CA	1	Yes	No	S	No	No	Yes	Above	50	
14/12/2020	Coollisteige	LB	8	16:10	CA	1	Yes	No	N	No	Yes	No	Below	1	Above water level
14/12/2020	Coollisteige	LB	7	17:05	MA	2	Yes	No	S	No	No	Yes	Above	20	
15/12/2020	Ardcloony	RA	1	10:25	CA	1	Yes	No	N	Yes	No	No	Below	5	
15/12/2020	Ardcloony	RA	2	10:33	MA	1	Yes	No	S	No	No	No	Below	5	
15/12/2020	Ardcloony	RA	3	10:37	MS	2	Yes	No	N	Yes	No	No	Below	10	
15/12/2020	Ardcloony	RA	4	10:43	BH	1	Yes	No	E	No	No	No	Below	10	
15/12/2020	Ardcloony	RA	5	10:51	CA	1	Yes	No	NW	Yes	No	No	Below	10	
15/12/2020	Ardcloony	RA	5	10:55	CA	1	Yes	No	NW	Yes	No	No	Below	10	
15/12/2020	Ardcloony	RA	6	10:59	BH	2	Yes	No	E	No	No	No	Above	20	
15/12/2020	Ardcloony	RA	7	11:01	CA	1	Yes	No	S	No	No	Yes	Below	5	Landed on water
15/12/2020	Ardcloony	RA	8	11:05	CA	1	Yes	No	S	No	No	Yes	Below	5	Landed on water
15/12/2020	Ardcloony	RA	9	11:07	MS	1	Yes	No	S	No	Yes	No	Below	2	Landed on water
15/12/2020	Ardcloony	RA	10	11:18	BH	5	Yes	No	S	No	No	No	Below	15	flew over Parteen weir
15/12/2020	Ardcloony	RA	11	11:19	CU	6	Yes	No	SW	No	No	No	Above	20	Flew W of Parteen weir
15/12/2020	Ardcloony	RA	12	11:25	L.	20	Yes	No	E	No	No	No	Above	20	flushed by survey plane
15/12/2020	Ardcloony	RA	13	11:25	TU	125	Yes	No	NE	Yes	No	No	Above	25	flushed by survey plane
15/12/2020	Ardcloony	RA	14	11:31	LB	1	Yes	No	N	Yes	No	No	Above	30	
15/12/2020	Ardcloony	RA	15	11:31	MA	2	Yes	No	N	Yes	No	No	Above	20	
15/12/2020	Ardcloony	RA	16	11:36	BH	3	Yes	No	S	No	Yes	No	Below	2	Landed on sand
15/12/2020	Ardcloony	RA	17	11:36	TU	35	Yes	No	N	Yes	No	No	Below	2	Landed in water
15/12/2020	Ardcloony	RA	17	11:45	TU	12	Yes	No	N	Yes	No	No	Below	2	Landed in water
15/12/2020	Ardcloony	RA	17	11:47	TU	62	Yes	No	N	Yes	No	No	Below	2	Landed in water
15/12/2020	Ardcloony	RA	1	11:47	CA	1	Yes	No	N	Yes	No	No	Above	20	
15/12/2020	Ardcloony	RA	1	11:48	CA	1	Yes	No	N	Yes	No	No	Above	25	
15/12/2020	Ardcloony	RA	18	11:51	CA	2	Yes	No	N	Yes	No	No	Above	30	
15/12/2020	Ardcloony	RA	19	12:02	CA	1	Yes	No	S	No	No	Yes	Above	50	Flew over weir
15/12/2020	Ardcloony	RA	20	12:02	MS	2	Yes	No	N	Yes	No	No	Below	5	landed back in water
15/12/2020	Ardcloony	RA	10	12:12	LB	1	Yes	No	S	No	No	Yes	Above	30	Flew over weir
15/12/2020	Ardcloony	RA	15	12:14	LB	1	Yes	No	N	Yes	No	No	Below	15	
15/12/2020	Ardcloony	RA	15	12:16	LB	1	Yes	No	N	Yes	No	No	Above	40	Flew out of sight towards LD
15/12/2020	Ardcloony	RA	21	12:30	CA	1	Yes	No	N	Yes	No	No	Below	8	Landed in water
15/12/2020	Ardcloony	RA	13	12:30	TU	3	Yes	No	N	Yes	No	No	Below	3	Flew out of sight
15/12/2020	Ardcloony	RA	7	12:36	CA	1	Yes	No	S	No	Yes	No	Below	2	Landed in water
15/12/2020	Ardcloony	RA	22	12:37	BH	1	Yes	No	S	No	No	Yes	Above	20	Flew E of weir
15/12/2020	Ardcloony	RA	10	12:50	CA	1	Yes	No	S	No	No	Yes	Below	2	Flew out of sight
15/12/2020	Ardcloony	RA	19	12:54	BH	1	Yes	No	S	No	No	Yes	Above	30	Flew over weir
15/12/2020	Ardcloony	RA	23	12:58	LB	1	Yes	No	S	No	No	Yes	Below	10	Flew over weir
15/12/2020	Ardcloony	RA	1	13:58	CA	1	Yes	No	S	No	No	Yes	Above	30	Flew out of sight
15/12/2020	Ardcloony	RA	2	17:07	MS	2	Yes	No	S	No	No	Yes	Below	15	Flew over weir
15/12/2020	Ardcloony	RA	3	14:11	BH	1	Yes	No	N	Yes	No	No	Below	10	Flew out of sight
15/12/2020	Ardcloony	RA	4	14:13	L.	32	Yes	No	E	No	Yes	No	Below	5	Flew from behind spit and landed on sand
15/12/2020	Ardcloony	RA	5	14:28	CA	1	Yes	No	N	Yes	No	No	Below	1	landed on island
15/12/2020	Ardcloony	RA	6	14:30	BH	1	Yes	No	E	No	No	No	Below	10	landed on island
15/12/2020	Ardcloony	RA	2	14:43	LB	1	Yes	No	S	No	No	Yes	Above	40	Flew over weir
15/12/2020	Ardcloony	RA	2	14:50	BH	1	Yes	No	S	No	No	Yes	Above	40	Flew over weir
15/12/2020	Ardcloony	RA	4	14:51	BH	2	Yes	No	E	No	No	No	Below	5	Landed on sand
15/12/2020	Ardcloony	RA	7	15:05	BH	1	Yes	No	NW	No	No	No	Below	12	
15/12/2020	Ardcloony	RA	7	15:12	BH	1	Yes	No	NW	No	No	No	Below	8	Flew out of sight
15/12/2020	Ardcloony	RA	8	15:15	BH	2	Yes	No	S	No	No	Yes	Below	10	Flew over weir
15/12/2020	Ardcloony	RA	9	15:18	CA	1	Yes	No	N	Yes	No	No	Above	100	Flew from W of weir up towards LD

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Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
15/12/2020	Ardcloony	RA	10	15:24	BH	1	Yes	No	N	Yes	No	No	Above	15	
15/12/2020	Ardcloony	RA	11	15:26	BH	1	Yes	No	N	Yes	No	No	Above	20	Flew out of sight
15/12/2020	Ardcloony	RA	12	15:26	CA	1	Yes	No	NE	Yes	No	No	Above	25	Flew out of sight
15/12/2020	Ardcloony	RA	13	15:30	CA	1	Yes	No	N	Yes	No	No	Above	60	
15/12/2020	Ardcloony	RA	11	15:34	BH	1	Yes	No	N	Yes	No	No	Above	20	
15/12/2020	Ardcloony	RA	14	15:36	CA	1	Yes	No	N	Yes	No	No	Below	2	
15/12/2020	Ardcloony	RA	15	15:50	BH	1	Yes	No	S	No	No	No	Above	25	Flew over weir
15/12/2020	Ardcloony	RA	11	15:54	BH	3	Yes	No	N	Yes	No	No	Above	30	Flew out of sight
15/12/2020	Ardcloony	RA	11	15:58	BH	3	Yes	No	N	Yes	No	No	Above	30	Flew out of sight
15/12/2020	Ardcloony	RA	13	16:08	BH	13	Yes	No	N	Yes	No	No	Above	40	Flew out of sight
15/12/2020	Ardcloony	RA	3	16:18	CA	2	Yes	No	N	Yes	No	No	Above	20	
15/12/2020	Ardcloony	RA	16	16:26	CA	1	Yes	No	N	Yes	No	No	Above	20	Flew out of sight
15/12/2020	Ardcloony	RA	17	16:28	L.	32	Yes	No	N/A	No	No	No	Below	5	Circled for 10mins and landed back on sand spit
15/12/2020	Ardcloony	RA	18	16:40	L.	32	Yes	No	E	No	No	No	Below	3	Circled close to water before heading E.
15/12/2020	Ardcloony	RA	17	16:43	CA	1	Yes	No	E	No	No	No	Below	2	Landed on island with others
15/12/2020	Coollisteige	LB	4	10:30	T.	13	No	Yes	-	No	No	No	Below	-	Roosting on bank for 3hrs
15/12/2020	Coollisteige	LB	4	10:30	MA	12	No	Yes	-	No	No	No	Below	-	On water feeding in same area
15/12/2020	Coollisteige	LB	7	11:30	CA	1	Yes	No	SW	No	No	Yes	Above	50	
15/12/2020	Coollisteige	LB	9	11:30	BH	1	No	No	-	No	No	No	Below	-	On water and bank
15/12/2020	Coollisteige	LB	1	11:35	CS	1	No	No	-	No	No	No	Below	-	Feeding on western shore/bank
15/12/2020	Coollisteige	LB	2	12:00	GE	2	No	No	-	No	No	No	Below	-	Feeding on western shore/bank
15/12/2020	Coollisteige	LB	1	12:45	RK	2	No	No	-	No	No	No	Below	-	Feeding on western shore/bank
15/12/2020	Coollisteige	LB	1	12:55	MA	6	No	No	-	No	No	No	Below	-	Feeding on western shore/bank
15/12/2020	Kildoorus (By Rowing Club)	LB	1	14:30	KF	1	Yes	No	N	No	No	No	Below	1	Flew very short distance
15/12/2020	Kildoorus (By Rowing Club)	LB	2	15:45	LB	1	Yes	No	N	No	No	No	Above	10	
15/12/2020	Kildoorus (By Rowing Club)	LB	3	15:55	SH	1	Yes	No	W	No	No	No	Below	2	Flew along bank vegetation
15/12/2020	Kildoorus (By Rowing Club)	LB	4	16:20	CA	1	Yes	No	SW	No	No	Yes	Above	60	Possible same bird as No. 4
15/12/2020	Ardcloony	RA		10:40	TU	230	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		10:40	MS	12	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		10:40	L.	19	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		10:40	BH	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		10:40	CO	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		13:55	MS	14	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		13:55	TU	365	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		13:55	CO	12	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		13:55	LG	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		13:55	GG	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
15/12/2020	Ardcloony	RA		13:55	CA	11	No	Yes	-	No	No	No	Below	-	Seen on arrival
16/12/2020	O'Brien's Bridge	LB	8	14:30	K.	1	Yes	No	N	No	Yes	No	Below	6	6m above bank
16/12/2020	O'Brien's Bridge	LB	4	14:50	CA	1	Yes	No	S	No	No	Yes	Below	2	2m above water
16/12/2020	O'Brien's Bridge	LB	4	15:00	CA	1	Yes	No	S	No	No	Yes	Above	30	30m above OPL
16/12/2020	O'Brien's Bridge	LB	4	15:05	CA	1	Yes	No	S	No	No	Yes	Above	30	30m above OPL
16/12/2020	O'Brien's Bridge	LB	5	16:20	LB	1	Yes	No	N	No	Yes	No	Below	2	2 m below OPL
16/12/2020	O'Brien's Bridge	LB	5	16:35	CA	1	Yes	No	N	No	Yes	No	Above	10	10m above powerline
16/12/2020	O'Brien's Bridge	LB	1	11:00	LG	1	No	Yes	-	No	No	No	Below	-	
16/12/2020	O'Brien's Bridge	LB	2	11:00	MS	1	No	Yes	-	No	No	No	Below	-	
16/12/2020	O'Brien's Bridge	LB	3	11:20	CA	1	Yes	No	S	No	No	Yes	Below	2	Landed on canal
16/12/2020	O'Brien's Bridge	LB	4	12:15	K.	1	Yes	No	S	No	No	Yes	Below	4	Flew slowly, perched then flew down river
16/12/2020	O'Brien's Bridge	LB	5	13:05	MS	2	Yes	No	N	No	Yes	No	Below	2	
16/12/2020	O'Brien's Bridge	LB	3	13:15	CA	1	Yes	No	S	No	No	No	Below	2	Landed on water
16/12/2020	O'Brien's Bridge	LB	6	13:30	MA	6	No	Yes	-	No	No	No	Below	-	Present, not moving only to feed and roost
16/12/2020	O'Brien's Bridge	LB	6	13:30	MH	8	No	Yes	-	No	No	No	Below	-	Present, not moving only to feed and roost
16/12/2020	O'Brien's Bridge	LB	7	13:40	K.	1	Yes	No	SW	No	No	No	Above	20	20m above OHPL
17/12/2020	Kildoorus (By Rowing Club)	LB	6	09:30	CA	1	No	Yes	-	No	No	No	Below	-	On water under overhead powerlines feeding
17/12/2020	Kildoorus (By Rowing Club)	LB	5	09:30	MS	3	No	Yes	-	No	No	No	Below	-	Feeding close to bank
17/12/2020	Kildoorus (By Rowing Club)	LB	5	09:30	MA	4	No	Yes	-	No	No	No	Below	-	Feeding close to bank
17/12/2020	Kildoorus (By Rowing Club)	LB	2	09:50	BH	1	Yes	No	Circling	No	No	No	Above	20	20m above OHPL

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Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
17/12/2020	Kildoorus (By Rowing Club)	LB	2	10:30	BH	1	Yes	No	Circling	No	No	No	Above	20	20m above OHPL
17/12/2020	Kildoorus (By Rowing Club)	LB	7	10:55	CA	1	Yes	No	SE	No	No	Yes	Above	20	50m above OHPL

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Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
19/01/2021	Coollisteige	LB	1	08:55	CA	1	Yes	No	NE	No	Yes	No	Above	30	
19/01/2021	Coollisteige	LB	2	09:10	CA	2	Yes	No	SW	No	No	Yes	Above	40	
19/01/2021	Coollisteige	LB	1	09:30	LB	1	Yes	No	NE	No	Yes	No	Above	40	
19/01/2021	Coollisteige	LB	2	09:30	MA	6	Yes	No	NE	No	Yes	No	Above	40	
19/01/2021	Coollisteige	LB	3	09:35	LG	3	Yes	No	-	No	No	No	Below	1	Flew across channel
19/01/2021	Coollisteige	LB	4	09:00	MS	3	No	Yes	-	No	No	No	Below	1	feeding on water
19/01/2021	Coollisteige	LB	5	09:50	CA	14	No	Yes	-	No	No	No	Below	1	Perched on low branch
19/01/2021	Coollisteige	LB	6	10:10	RK	1	Yes	No	-	No	No	No	Below	1	Flew along bank calling
19/01/2021	Coollisteige	LB	7	10:15	CA	1	Yes	No	NE	No	Yes	No	Below	2	
19/01/2021	Coollisteige	LB	8	10:30	MA	6	Yes	No	SW	No	No	Yes	Above	30	30m above OPL
19/01/2021	O'Brien's Bridge	LB	1	11:05	BH	1	Yes	No	Circling	No	No	No	Below	4	Bird dip feeding on channel
19/01/2021	O'Brien's Bridge	LB	1	11:30	BH	1	Yes	No	Circling	No	No	No	Below	4	dip feeding
19/01/2021	O'Brien's Bridge	LB	1	11:35	BH	1	Yes	No	Circling	No	No	No	Below	4	Dip feeding
19/01/2021	O'Brien's Bridge	LB	2	11:35	RK	1	Yes	No	-	No	No	No	Below	1	Flew along bank
19/01/2021	O'Brien's Bridge	LB	3	12:05	BH	1	Yes	No	NW	No	No	No	Above	30	
20/01/2021	Coollisteige	LB	8	11:00	CA	1	Yes	No	S	No	No	Yes	Below	1	
20/01/2021	Coollisteige	LB	8	11:35	CA	1	Yes	No	S	No	No	Yes	Below	1	
20/01/2021	Coollisteige	LB	8	12:05	CA	1	Yes	No	S	No	No	Yes	Below	1	
20/01/2021	Coollisteige	LB	8	12:55	CA	1	Yes	No	S	No	No	Yes	Below	1	
20/01/2021	Coollisteige	LB	4	11:00	MS	1	No	Yes	-	No	No	No	Below	-	On water for 2hrs
20/01/2021	Coollisteige	LB	9	12:00	RK	1	Yes	No	N	No	No	No	Below	1	Bird feeding on bank for 1hr
20/01/2021	O'Brien's Bridge	LB	4	08:20	L.	45	Yes	No	NE	No	Yes	No	Above	40	
20/01/2021	O'Brien's Bridge	LB	6	08:25	RK	1	Yes	No	-	No	No	No	Below	1	Birds present feeding on bank
20/01/2021	O'Brien's Bridge	LB	5	08:35	MS	1	No	Yes	-	No	No	No	Below	-	Present feeding
20/01/2021	O'Brien's Bridge	LB	7	08:40	CA	1	Yes	No	N	No	Yes	No	Below	1	Commuting
20/01/2021	O'Brien's Bridge	LB	1	08:40	BH	3	Yes	No	Circling	No	No	No	Below	3	feeding
20/01/2021	O'Brien's Bridge	LB	6	09:10	CS	1	Yes	Yes	-	No	No	No	Below	1	Bird present and feeding
20/01/2021	O'Brien's Bridge	LB	6a	09:40	KF	1	Yes	Yes	-	No	No	No	Below	2	3 second flight and 30 second perch
20/01/2021	O'Brien's Bridge	LB	7	09:45	CA	1	Yes	No	N	No	Yes	No	Below	1	commuting
20/01/2021	O'Brien's Bridge	LB	8	09:50	SN	4	Yes	No	-	No	No	No	Below	3	Flew across channel
20/01/2021	O'Brien's Bridge	LB	6b	10:20	RK	2	Yes	No	-	No	No	No	Below	1	
20/01/2021	O'Brien's Bridge	LB	2	10:30	RK	1	Yes	No	-	No	No	No	Below	1	Flying and feeding along bank
21/01/2021	Ardcloony	JS	1	09:25	GJ	24	Yes	No	S	No	No	Yes	Below	1	Low over water, flew over weir o.o.v.
21/01/2021	Ardcloony	JS	2	08:20	BH	50	Yes	No	S	No	No	Yes	Above	25	Heading D/S
21/01/2021	Ardcloony	JS	3	08:28	CU	7	Yes	No	S	No	No	Yes	Below	1	Left sand spit, flew over weir.
21/01/2021	Ardcloony	JS	4	08:53	TU	190	Yes	No	NW	No	Yes	No	Below	10	Flock disturbed by walker and flew around spit
21/01/2021	Ardcloony	JS	5	09:10	CA	1	Yes	No	N	Yes	No	No	Above	30	Flying high over weir, towards Killaloe
21/01/2021	Ardcloony	JS	6	09:25	RK	1	Yes	No	N	No	No	No	Below	1	Flew from W bank and spit
21/01/2021	Ardcloony	JS	7	09:32	BH	9	Yes	No	SW	No	Yes	Yes	Above	20	Flew over water heading SW
21/01/2021	Ardcloony	JS	8	09:50	CA	2	Yes	No	N	Yes	No	No	Above	20	Flight as per flight ref 5
21/01/2021	Ardcloony	JS	9	10:03	CA	1	Yes	No	N	Yes	No	No	Below	2	Flight as per ref 5
21/01/2021	Ardcloony	JS	10	10:24	CA	1	Yes	No	N	Yes	No	No	Above	30	Flew from SW towards Lough Derg
21/01/2021	Ardcloony	JS	11	10:54	CA	1	Yes	No	SW	No	No	Yes	Below	5	Flew from trees in lake
21/01/2021	Ardcloony	JS	1	11:59	CA	1	Yes	No	S	No	No	Yes	Below	2	Low over weir, down canal
21/01/2021	Ardcloony	JS	2	13:24	CA	1	Yes	No	N	Yes	No	No	Below	5	Flying N to Killaloe
21/01/2021	Ardcloony	JS	3	13:47	GE	1	Yes	No	N	No	Yes	No	Below	2	Green Sandpiper flew from S along W bank of Parteen. Typical sandpiper flight, with obvious white rectangular rump, call was different to CS.

38kV Vantage Point Surveys January 2021															
Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
															Landed on spit to N of VP.
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:10	BH	9	Yes	No	SE	No	No	Yes	Above	35	35m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:15	BH	6	Yes	No	SE	No	No	Yes	Above	35	35m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:20	BH	4	Yes	No	SE	No	No	Yes	Above	35	35m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:25	BH	2	Yes	No	SE	No	No	Yes	Above	35	35m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:25	CA	1	Yes	No	SE	No	No	Yes	Above	20	20m above OHPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:30	BH	11	Yes	No	SE	No	No	Yes	Above	30	30m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	2	08:30	LB	1	Yes	No	SE	No	No	Yes	Above	40	40m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:35	BH	4	Yes	No	SE	No	No	Yes	Above	40	40m above OPL
21/01/2021	Kildoorus (By Rowing Club)	LB	1	08:45	BH	3	Yes	No	SE	No	No	Yes	Above	10	10m above powerline
21/01/2021	Kildoorus (By Rowing Club)	LB	3	09:20	BH	3	Yes	No	SE	No	No	Yes	Above	20	20m above powerline
21/01/2021	Kildoorus (By Rowing Club)	LB	3	11:00	CA	1	Yes	No	N	No	Yes	No	Below	1	
21/01/2021	Kildoorus (By Rowing Club)	LB	3	11:35	CA	1	Yes	No	N	No	Yes	No	Below	1	
21/01/2021	Kildoorus (By Rowing Club)	LB	3	12:00	CA	1	Yes	No	N	No	Yes	No	Below	1	
21/01/2021	Kildoorus (By Rowing Club)	LB	4	12:10	MS	1	No	Yes	-	No	No	No	Below	-	
21/01/2021	Kildoorus (By Rowing Club)	LB	5	12:10	MA	6	No	Yes	-	No	No	No	Below	-	
21/01/2021	Kildoorus (By Rowing Club)	LB	1	12:40	BH	1	Yes	No	SE	No	No	Yes	Below	10	
21/01/2021	Kildoorus (By Rowing Club)	LB	3	13:20	CA	1	Yes	No	N	No	Yes	No	Below	1	
21/01/2021	Ardcloony	JS	-	08:10	TU	310	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	GJ	30	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	H.	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	GG	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	BH	50	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	PO	10	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	SP	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	MS	5	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	T.	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	08:10	RK	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	L.	40	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	BH	25	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	PO	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	CO	13	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	GN	7	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	MA	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	CA	5	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	MS	7	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	MH	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
21/01/2021	Ardcloony	JS	-	11:40	GG	2	No	Yes	-	No	No	No	Below	-	Seen on arrival

38kV Vantage Point Surveys February 2021															
Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
10/02/2021	Ardcloony	JS	1	11:33	BH	14	Yes	No	N	Yes	No	No	Below	10	Flock flew along W bank, heading N.
10/02/2021	Ardcloony	JS	2	11:54	CA	1	Yes	No	N	Yes	No	No	Above	30	Left trees on E bank and flew U/S along E bank
10/02/2021	Ardcloony	JS	3	12:48	GD	3	Yes	Yes	N	No	No	No	Below	5	1 male, 2 female Goosander, flew from Shannon over weir and landed behind spit.
10/02/2021	Ardcloony	JS	4	12:58	BH	3	Yes	No	N	Yes	No	No	Below	15	As per flight ref 1
10/02/2021	Ardcloony	JS	5	13:08	LB	2	Yes	Yes	N	No	No	No	Below	5	Flew from weir, landing in water by spit.
10/02/2021	Ardcloony	JS	6	13:09	CA	1	Yes	No	N	Yes	No	No	Below	10	Flew along W bank, flight similar to ref 1.

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38kV Vantage Point Surveys February 2021															
Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
10/02/2021	Ardcloony	JS	7	13:49	TU	250	Yes	Yes	N	No	No	No	Above	30	Large flock all left water and flew S circling over water before flying back to original location.
10/02/2021	Ardcloony	JS	8	13:49	GD	3	Yes	No	N	Yes	No	No	Below	5	Same birds as ref 3, left water flying S before turning N
10/02/2021	Ardcloony	JS	9	14:15	BH	7	Yes	No	S	No	No	Yes	Below	10	Flock flew from along W bank over weir, down canal.
10/02/2021	Ardcloony	JS	1	15:00	CA	2	Yes	No	S	No	No	Yes	Below	2	Flying low and fast over water heading over weir.
10/02/2021	Ardcloony	JS	2	15:15	BH	12	Yes	No	N	Yes	No	No	Above	30	Flock flew up centre of basin from weir
10/02/2021	Ardcloony	JS	3	15:59	CU	2	Yes	No	S	No	No	Yes	Above	20	Pair calling, flew from E over water then over weir down Shannon
10/02/2021	Ardcloony	JS	4	16:09	BH	7	Yes	No	N	Yes	No	No	Below	10	Flock flew along W bank, heading towards Killaloe
10/02/2021	Ardcloony	JS	5	16:54	CA	1	Yes	No	S	No	No	Yes	Below	1	Low over water, heading over weir and down canal, as per flight ref 1.
10/02/2021	Ardcloony	JS	6	16:54	BH	5	Yes	No	N	Yes	No	No	Above	20	Flock flew from Shannon heading U/S
10/02/2021	Ardcloony	JS	7	16:57	BH	5	Yes	No	N	Yes	No	No	Above	25	As per flight ref 1.
10/02/2021	Ardcloony	JS	8	16:59	ET	1	Yes	No	N	No	No	No	Below	5	Flew from E over water and landed on furthest S island.
10/02/2021	Ardcloony	JS	9	17:15	CA	2	Yes	No	N	No	No	No	Below	1	Flew from weir, landing on island.
10/02/2021	Ardcloony	JS	10	17:21	BH	14	Yes	No	N	Yes	No	No	Below	1	Low over water, flying towards Killaloe.
10/02/2021	Ardcloony	JS	11	17:25	BH	210	Yes	No	N	Yes	No	No	Below	1	Large flock, slowly making way up to Killaloe, low over water. Flight as per flight ref 10.
10/02/2021	Ardcloony	JS	12	17:27	BH	50	Yes	No	N	Yes	No	No	Below	1	Flight as per flight ref 10.
10/02/2021	Ardcloony	JS	13	17:27	CU	2	Yes	No	N	No	No	No	Below	2	Landed on spit
10/02/2021	Ardcloony	JS	14	17:48	BH	17	Yes	No	N	Yes	No	No	Below	1	Flight as per ref 10.
10/02/2021	Ardcloony	JS	-	11:50	TU	250	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	GN	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	CO	5	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	GG	1	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	MS	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	L.	5	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	MS	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	11:50	L.	5	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	15:00	GN	5	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	15:00	PO	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
10/02/2021	Ardcloony	JS	-	15:00	CA	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
13/02/2021	Coollisteige	LB	1	12:05	K.	1	Yes	No	SE	No	No	Yes	Above	30	15m above OPL
13/02/2021	Coollisteige	LB	2	12:35	T.	7	Yes	No	NE	No	No	Yes	Below	5	4m below OPL
13/02/2021	Coollisteige	LB	3	12:40	MS	2	No	Yes	-	No	No	No	Below	-	Present on water for 1.5hrs
13/02/2021	Coollisteige	LB	4	13:50	CA	2	No	Yes	-	No	No	No	Below	-	Preset perched on bank for 1.25hrs
13/02/2021	Coollisteige	LB	5	13:55	GE	1	Yes	No	-	No	No	No	Below	1	Bird flew along bank twice
13/02/2021	Coollisteige	LB	5	13:55	GE	1	Yes	No	-	No	No	No	Below	1	Bird flew along bank twice
13/02/2021	Coollisteige	LB	6	14:10	MA	13	Yes	No	NE	No	No	Yes	Above	15	
13/02/2021	Coollisteige	LB	7	14:15	MS	2	Yes	No	NW	No	Yes	No	Above	15	
13/02/2021	Kildoorus (By Rowing Club)	LB	1	15:30	GJ	2	Yes	No	E	No	No	Yes	Above	30	
13/02/2021	Kildoorus (By Rowing Club)	LB	2	15:40	CA	1	Yes	No	S	No	No	Yes	Below	2	dipped below OPL but rose after
13/02/2021	Kildoorus (By Rowing Club)	LB	3	15:45	L.	2	No	Yes	-	No	No	No	Below	-	Birds present on riverbank for hour +
13/02/2021	Kildoorus (By Rowing Club)	LB	3	15:45	MH	1	No	Yes	-	No	No	No	Below	-	Birds present on riverbank for hour +
13/02/2021	Kildoorus (By Rowing Club)	LB	4	16:00	BH	1	Yes	No	S	No	No	Yes	Above	40	
13/02/2021	Kildoorus (By Rowing Club)	LB	6	17:05	MS	2	No	Yes	-	No	No	No	Below	-	Birds swimming present for half hour
13/02/2021	Kildoorus (By Rowing Club)	LB	7	17:05	CA	1	Yes	No	SW	No	No	Yes	Above	40	
13/02/2021	Kildoorus (By Rowing Club)	LB	8	17:10	BH	3	Yes	No	W	No	No	No	Above	50	
13/02/2021	Kildoorus (By Rowing Club)	LB	9	17:35	K.	2	Yes	No	-	No	No	No	Above	30	Pair display flight
15/02/2021	Coollisteige	LB	1	16:00	MA	2	Yes	No	N	No	Yes	No	Above	20	
15/02/2021	Coollisteige	LB	2	16:00	BH	11	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	Coollisteige	LB	2	16:35	BH	3	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	Coollisteige	LB	3	16:50	MA	10	No	Yes	-	No	No	No	Below	-	All birds feeding/loafing in reeds on western bank
15/02/2021	Coollisteige	LB	3	16:50	LG	4	No	Yes	-	No	No	No	Below	-	All birds feeding/loafing in reeds on western bank
15/02/2021	Coollisteige	LB	3	16:50	MH	6	No	Yes	-	No	No	No	Below	-	All birds feeding/loafing in reeds on western bank
15/02/2021	Coollisteige	LB	2	16:50	BH	9	Yes	No	S	No	No	Yes	Above	25	
15/02/2021	Coollisteige	LB	2	16:55	BH	4	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	Coollisteige	LB	2	17:00	BH	3	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	Coollisteige	LB	2	17:15	BH	1	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	Coollisteige	LB	1	17:15	CA	1	Yes	No	N	No	Yes	No	Above	10	

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Date	VP	Surveyor	Observation No.	Observation Time	BTO Code	No. of Birds	Flying	Perched/Swim	Bearing	Flying toward LD	Flying toward Parteen	Flying toward Lower River Shannon	Above/ Below Current Line	Flight Height (m)	Notes
15/02/2021	Coollisteige	LB	2	17:30	BH	10	Yes	No	S	No	No	Yes	Above	40	
15/02/2021	Coollisteige	LB	2	17:35	BH	1	Yes	No	S	No	No	Yes	Above	20	
15/02/2021	Coollisteige	LB	4	17:40	CA	1	Yes	No	S	No	No	Yes	Above	15	
15/02/2021	Coollisteige	LB	2	17:50	BH	8	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	Coollisteige	LB	5	17:55	BH	26	Yes	No	N	No	Yes	No	Above	30	
15/02/2021	Coollisteige	LB	6	17:55	K.	1	Yes	No	-	No	No	No	Above	20	
15/02/2021	Coollisteige	LB	2	18:05	BH	6	Yes	No	N	No	Yes	No	Above	30	
15/02/2021	O'Brien's Bridge	LB	1	12:00	MS	4	Yes	Yes	S	No	No	Yes	Below	1	4 MS swimming for 40mins then took off (see map)
15/02/2021	O'Brien's Bridge	LB	2	12:10	MA	2	No	Yes	-	No	No	No	Below	-	Birds stayed on edge of bank
15/02/2021	O'Brien's Bridge	LB	1a	13:00	MS	3	No	Yes	-	No	No	No	Below	-	3 MS swimming
15/02/2021	O'Brien's Bridge	LB	3	13:10	CA	1	Yes	No	E	No	No	Yes	Above	20	
15/02/2021	O'Brien's Bridge	LB	4	14:00	CA	1	Yes	No	S	No	No	Yes	Above	30	
15/02/2021	O'Brien's Bridge	LB	5	14:35	KF	2	Yes	No	-	No	No	No	Below	1	Pair calling and flew along bank
15/02/2021	O'Brien's Bridge	LB	6	14:40	CS	1	No	Yes	-	No	No	No	Below	-	Feeding on western edge of bank
17/02/2021	Kildoorus (By Rowing Club)	LB	1	11:40	MS	2	No	Yes	-	No	No	No	Below	-	Present for 2 hours
17/02/2021	Kildoorus (By Rowing Club)	LB	2	11:50	BH	2	Yes	No	-	No	No	No	Below	2	Birds dip feeding over water
17/02/2021	Kildoorus (By Rowing Club)	LB	2	12:20	BH	7	Yes	No	-	No	No	No	Below	2	Birds dip feeding over water
17/02/2021	Kildoorus (By Rowing Club)	LB	2	12:30	BH	9	Yes	No	-	No	No	No	Below	2	Birds dip feeding over water
17/02/2021	Kildoorus (By Rowing Club)	LB	3	14:00	MA	8	No	Yes	-	No	No	No	Below	-	Birds on water half hour
17/02/2021	Kildoorus (By Rowing Club)	LB	4	14:00	LG	3	No	Yes	-	No	No	No	Below	-	Birds on water half hour
17/02/2021	O'Brien's Bridge	LB	1	15:00	KF	1	No	Yes	-	No	No	No	Below	-	Bird calling for 20mins
17/02/2021	O'Brien's Bridge	LB	2	15:25	RK	1	Yes	No	N	No	Yes	No	Below	1	
17/02/2021	O'Brien's Bridge	LB	3	16:00	CS	1	Yes	No	N	No	Yes	No	Below	1	
17/02/2021	O'Brien's Bridge	LB	4	16:05	CA	1	Yes	No	N	No	Yes	No	Below	1	Feeding for 5mins then flew
17/02/2021	O'Brien's Bridge	LB	5	16:10	CA	1	Yes	No	N	No	Yes	No	Above	20	
17/02/2021	O'Brien's Bridge	LB	6	16:30	CA	1	Yes	No	S	No	No	Yes	Above	30	
17/02/2021	O'Brien's Bridge	LB	7	16:50	BH	8	No	Yes	-	No	No	No	Above	-	Feeding on bank

38kV Vantage Point Surveys March 2021															
Date	VP	Surveyor	Observation No.	Observation Time	BTO Code	No. of Birds	Flying	Perched/Swim	Bearing	Flying toward LD	Flying toward Parteen	Flying toward Lower River Shannon	Above/ Below Current Line	Flight Height (m)	Notes
23/03/2021	Kildoorus (By Rowing Club)	LB	1	10:00	KF	2	Yes	No	-	No	No	No	Below	2	Pair flew from riverbank
23/03/2021	Kildoorus (By Rowing Club)	LB	2	10:30	MA	2	Yes	No	S	No	No	Yes	Below	1	2 males and 2 females, landed together
23/03/2021	Kildoorus (By Rowing Club)	LB	3	10:30	MA	2	Yes	No	N	Yes	No	No	Below	1	2 males and 2 females, landed together
23/03/2021	Kildoorus (By Rowing Club)	LB	4	11:30	CA	1	Yes	No	SW	No	No	Yes	Above	50	
23/03/2021	Kildoorus (By Rowing Club)	LB	2	12:15	CA	1	Yes	No	SE	No	No	Yes	Below	1	
23/03/2021	Kildoorus (By Rowing Club)	LB	2	12:30	CA	1	Yes	No	SE	No	No	Yes	Below	1	
23/03/2021	O'Brien's Bridge	LB	1	06:10	LB	4	Yes	No	SW	No	No	Yes	Above	40	
23/03/2021	O'Brien's Bridge	LB	1	06:20	CA	3	Yes	No	SW	No	No	Yes	Above	20	
23/03/2021	O'Brien's Bridge	LB	2	06:25	MA	2	No	Yes	-	No	No	No	Below	-	On water
23/03/2021	O'Brien's Bridge	LB	3	07:05	GJ	2	Yes	No	E	No	No	Yes	Above	10	Geese landed on bank, then flew towards river
23/03/2021	O'Brien's Bridge	LB	4	07:30	KF	1	No	Yes	-	No	No	No	Below	-	
23/03/2021	O'Brien's Bridge	LB	5	08:00	RK	1	Yes	No	S	No	No	Yes	Below	1	
23/03/2021	O'Brien's Bridge	LB	6	08:05	CA	1	Yes	No	N	No	Yes	No	Above	30	
24/03/2021	Ardcloony	JS	1	06:34	BH	3	Yes	No	S	No	No	Yes	Below	10	Left spit, over weir down Shannon.
24/03/2021	Ardcloony	JS	2	06:36	BH	2	Yes	No	S	No	No	Yes	Below	5	Flight as per flight ref 1.
24/03/2021	Ardcloony	JS	3	06:58	WS	14	Yes	No	N	Yes	No	No	Above	50	Flock calling, heading N along W bank.
24/03/2021	Ardcloony	JS	4	07:01	CA	1	Yes	No	S	No	No	Yes	Below	5	Left water, flying low. Headed over weir down canal.
24/03/2021	Ardcloony	JS	5	07:13	BH	7	Yes	No	S	No	No	Yes	Above	30	Flew along E bank, heading over weir and down Shannon.
24/03/2021	Ardcloony	JS	6	07:22	CA	1	Yes	No	S	No	No	Yes	Below	1	Flight as per flight ref 4.
24/03/2021	Ardcloony	JS	7	07:30	GJ	3	Yes	No	S	No	No	Yes	Below	2	Left water and spit and flew over weir, down canal.
24/03/2021	Ardcloony	JS	8	07:34	BH	16	Yes	No	S	No	No	Yes	Above	20	Flew over water heading S down canal.

38kV Vantage Point Surveys March 2021														
Date	**VP**	**Surveyor**	**Observation No.**	**Observation Time**	**BTO Code**	**No. of Birds**	**Flying**	**Perched/Swim**	**Bearing**	**Flying toward LD**	**Flying toward Parteen**	**Flying toward Lower River Shannon**	**Above/ Below Current Line**	**Flight Height (m)**	**Notes**
24/03/2021	Ardcloony	JS	9	07:37	GJ	2	Yes	No	S	No	No	Yes	Below	2	Flight as per flight ref 7.
24/03/2021	Ardcloony	JS	10	08:30	CA	1	Yes	Yes	N	Yes	No	No	Above	30	Flew from canal, landing in lake/water.
24/03/2021	Ardcloony	JS	11	08:34	CA	1	Yes	No	S	No	No	Yes	Below	1	Flight as per flight ref 4.
24/03/2021	Ardcloony	JS	12	08:36	GJ	2	Yes	No	N	Yes	No	No	Above	20	Flew from canal, calling and headed along E bank, out of view.
24/03/2021	Ardcloony	JS	1	10:34	CA	1	Yes	No	S	No	No	Yes	Below	1	Left water in basin and flew S to canal
24/03/2021	Ardcloony	JS	2	10:51	CA	2	Yes	No	S	No	No	Yes	Below	2	Flushed by boat and flew S over canal
24/03/2021	Ardcloony	JS	3	12:01	CA	1	Yes	No	N	Yes	No	No	Above	20	Flew from canal towards Killaloe.
24/03/2021	Coollisteige	LB	5	14:00	CA	1	Yes	No	SW	No	No	Yes	Above	40	
24/03/2021	Coollisteige	LB	5	14:05	CA	1	Yes	No	SW	No	No	Yes	Above	40	
24/03/2021	Coollisteige	LB	5	14:40	CA	1	Yes	No	SW	No	No	Yes	Above	10	
24/03/2021	Coollisteige	LB	5	14:45	CA	1	Yes	No	SW	No	No	Yes	Above	20	
24/03/2021	Coollisteige	LB	5	14:50	CA	2	Yes	No	SW	No	No	Yes	Above	20	
24/03/2021	Coollisteige	LB	5	15:20	CA	1	Yes	No	SW	No	No	Yes	Above	10	
24/03/2021	Coollisteige	LB	9	15:30	CA	1	Yes	No	NW	No	Yes	No	Above	30	
24/03/2021	Coollisteige	LB	5	16:05	CA	1	Yes	No	SW	No	No	Yes	Above	40	
24/03/2021	Coollisteige	LB	10	14:00	MS	2	No	Yes	-	No	No	Yes	Below	-	Present on channel for 3 hours
24/03/2021	Coollisteige	LB	1	06:40	LB	4	Yes	No	SW	No	No	Yes	Below	10	Birds dip feeding over water
24/03/2021	Coollisteige	LB	2	06:45	CA	1	Yes	No	SW	No	No	Yes	Above	40	
24/03/2021	Coollisteige	LB	3	06:55	RK	2	Yes	No	-	No	No	No	Below	-	Flew along bank, moving back and forth
24/03/2021	Coollisteige	LB	4	07:10	CS	3	Yes	No	-	No	No	No	Below	-	Flew back and forth across channel
24/03/2021	Coollisteige	LB	4	07:30	MH	6	Yes	No	-	No	No	No	Below	-	
24/03/2021	Coollisteige	LB	5	07:40	LB	13	Yes	No	SW	No	No	Yes	Above	40	
24/03/2021	Coollisteige	LB	5	08:10	CA	1	Yes	No	SW	No	No	Yes	Above	30	
24/03/2021	Coollisteige	LB	5	08:25	LB	1	Yes	No	SW	No	No	Yes	Above	30	
24/03/2021	Coollisteige	LB	2	08:30	CA	1	Yes	No	SW	No	No	Yes	Above	40	On water for 3hrs
24/03/2021	Coollisteige	LB	6	06:40	MS	2	No	Yes	-	No	No	No	Below	-	On water for 3hrs
24/03/2021	Coollisteige	LB	7	06:40	MA	2	No	Yes	-	No	No	No	Below	-	Flew across channel
24/03/2021	Coollisteige	LB	8	08:35	K.	1	Yes	No	NW	No	No	No	Above	10	2 Pairs on river
24/03/2021	O'Brien's Bridge	LB	7	11:30	MR	1	Yes	No	SE	No	No	Yes	Above	30	Marsh Harrier, bird likely on passage
24/03/2021	O'Brien's Bridge	LB	8	11:55	CA	1	Yes	No	SW	No	No	Yes	Above	40	
24/03/2021	O'Brien's Bridge	LB	1	12:00	CA	1	Yes	No	SW	No	No	Yes	Below	1	
24/03/2021	O'Brien's Bridge	LB	1	12:05	CA	1	Yes	No	SW	No	No	Yes	Below	1	
24/03/2021	O'Brien's Bridge	LB	1	12:10	CA	1	Yes	No	SW	Yes	No	Yes	Above	40	
24/03/2021	Ardcloony	JS		06:30	TU	65	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		06:30	BH	7	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		06:30	GJ	10	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		06:30	MA	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		06:30	CG	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		10:00	GG	2	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		10:00	MS	4	No	Yes	-	No	No	No	Below	-	Seen on arrival
24/03/2021	Ardcloony	JS		10:00	CA	6	No	Yes	-	No	No	No	Below	-	Seen on arrival
25/03/2021	Kildoorus (By Rowing Club)	LB	5	06:30	MS	4	No	Yes	-	No	No	No	Below	-	One oof the pairs from ref. 5. Took off but dipped under OPL
25/03/2021	Kildoorus (By Rowing Club)	LB	6	07:05	MS	2	Yes	No	S	No	No	Yes	Below	3	Ducks on water
25/03/2021	Kildoorus (By Rowing Club)	LB	7	07:30	MA	3	No	Yes	-	No	No	No	Below	-	
25/03/2021	Kildoorus (By Rowing Club)	LB	4	08:00	CA	1	Yes	No	SW	No	No	Yes	Above	50	
25/03/2021	Kildoorus (By Rowing Club)	LB	8	08:40	CA	1	Yes	No	S	No	No	Yes	Above	50	

Hen Harrier Roost Surveys 2020/2021:

Hen Harrier Roost Survey Results 2020/2021							
Date	**Time**	**Latitude**	**Longitude**	**BTO**	**Species**	**Number**	**Notes**
14/11/2020	07:17	53.221944	-7.350781	SN	Snipe	0	Audible
14/11/2020	07:25	53.223924	-7.350156	WK	Woodcock	1	
14/11/2020	09:09	53.221214	-7.344068	BZ	Buzzard	2	-
15/11/2020	16:42	53.153806	-7.68379	K.	Kestrel	1	-
15/11/2020	16:57	53.154298	-7.682238	SH	Sparrowhawk	2	-
18/11/2020	07:53	53.348778	-6.848695	WS	Whooper Swan	1	
18/11/2020	09:46	53.348376	-6.845344	SN	Snipe	2	

Hen Harrier Roost Survey Results 2020/2021							
Date	**Time**	**Latitude**	**Longitude**	**BTO**	**Species**	**Number**	**Notes**
18/11/2020	10:00	53.34751	-6.840174	K.	Kestrel	1	-
20/11/2020	17:18	53.266785	-7.275955	SN	Snipe	4	
21/11/2020	07:39	52.977842	-7.986533	BZ	Buzzard	1	-
21/11/2020	16:41	53.012449	-7.914911	K.	Kestrel	1	-
21/11/2020	17:12	53.011089	-7.91596	SN	Snipe	8	Minimum number, audible
22/11/2020	08:10	53.295086	-7.093087	PE	Peregrine Falcon	1	-
22/11/2020	08:34	53.300569	-7.097031	BZ	Buzzard	1	-
22/11/2020	09:15	53.290399	-7.121879	WS	Whooper Swan	12	
22/11/2020	09:21	53.29668	-7.124348	L.	Lapwing	80	
27/11/2020	15:16	53.282414	-7.021967	BZ	Buzzard	2	-
27/11/2020	16:18	53.283611	-7.019627	ML	Merlin	1	-
27/11/2020	16:18	53.283977	-7.022321	K.	Kestrel	1	-
27/11/2020	17:03	53.283682	-7.023897	WK	Woodcock	2	
27/11/2020	17:07	53.28311	-7.023559	Owl	Owl species	1	Short/Long eared
28/11/2020	07:53	53.183648	-7.619827	WS	Whooper Swan	3	FO
28/11/2020	08:50	53.182692	-7.617836	GP	Golden Plover	40	FO
28/11/2020	15:38	53.176604	-7.542758	WS	Whooper Swan	12	
09/12/2020	08:13	53.224976	-7.35219	BZ	Buzzard	0	Audible
09/12/2020	08:28	53.223637	-7.346034	K.	Kestrel	1	-
09/12/2020	08:35	53.222204	-7.348961	WS	Whooper Swan	2	Flying Over
09/12/2020	08:36	53.222787	-7.348168	SH	Sparrowhawk	1	Male
15/12/2020	08:19	53.293939	-7.087471	BZ	Buzzard	1	-
16/12/2020	15:18	53.347128	-6.850885	SN	Snipe	2	
16/12/2020	16:55	53.350503	-6.834978	WK	Woodcock	4	
23/12/2020	15:23	53.173613	-7.549485	K.	Kestrel	1	-
23/12/2020	17:02	53.17538	-7.549927	SN	Snipe	3	
28/12/2020	15:31	53.185796	-7.617003	BZ	Buzzard	2	-
28/12/2020	16:24	53.186579	-7.618149	SH	Sparrowhawk	1	Female
31/12/2020	14:40	53.051162	-7.878393	SH	Sparrowhawk	1	-
08/01/2021	08:33	53.185337	-7.612743	K.	Kestrel	1	-
09/01/2021	08:03	53.296055	-7.089252	PE	Peregrine Falcon	1	-
17/01/2021	16:13	53.177449	-7.549652	K.	Kestrel	1	-
17/01/2021	17:03	53.176198	-7.542699	HH	Hen Harrier	1	HH type, unable to positively ID. Briefly seen at distance, clashing with Falcon.
24/01/2021	14:05	53.268739	-7.251166	K.	Kestrel	1	-
24/01/2021	14:05	53.269047	-7.258159	SH	Sparrowhawk	1	-
28/01/2021	17:03	52.977764	-7.981982	SH	Sparrowhawk	1	Male
31/01/2021	16:32	53.283771	-7.015301	WS	Whooper Swan	10	
31/01/2021	16:32	53.282945	-7.013321	SH	Sparrowhawk	1	-
31/01/2021	17:31	53.282383	-7.009964	KF	Kingfisher	1	
09/02/2021	17:17	53.32757	-6.891302	K.	Kestrel	1	-
16/02/2021	07:30	53.012859	-7.913823	BZ	Buzzard	2	-
17/02/2021	17:25	53.051267	-7.876767	SH	Sparrowhawk	1	-
21/02/2021	17:28	53.17455	-7.54858	ML	Merlin	1	Female
25/02/2021	17:19	53.153733	-7.678772	SH	Sparrowhawk	1	Female
26/02/2021	18:53	53.350442	-6.844149	BZ	Buzzard	1	-
26/03/2021	08:57	53.012529	-7.918659	SH	Sparrowhawk	1	Female

Winter Bird Surveys Results – 2022/2023

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Lough Derg and Parteen Basin I-WeBS Results 2022/2023:

October 2022 I-WeBS Lough Derg																				
Lough Derg Subsite	**BH**	**BZ**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GL**	**H.**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**	**WS**	**ZL**
Ballycuggeran Bay	30													4		16					
Ballyheefy	6					2										4					
Bearoge Island			4	3													19				
Bunglasha Bay			7			2								2		3	2				
Castlelough Public Park	1											1				6					
Church Bay				1																	
Claree Lough							70									2					
Clery's Point			1	1																	
Cloondadauv							46														
Cloonoolia Bay A						2							1			14	208				
Derrymaccegan Bay	6		2			1								9	4					1	
Drominagh	7				2				1							4					
Dromineer Bay	23				1									15		10					
Ducey's Harbour				6										34		3					
Friary	12		1											56							
Garrykennedy Harbour	4											4									
Glenbower	1		1	23						1							5				
Gortmore	8	1	13		1				1			1	3			9					
Illanaboe				1		1										1	8				
Kilcooney						2															
Kilgarvan Quay	4		18			1								3	2	8		1			6
Knockaphort																5			1		
Luska	1		5			9										3	1				
Mountshannon																9					
Old Village	5										8		1								
Rossmore Pier							2									6					
Skehanagh	2		1			5		1		1			1			18	32				
Terryglass Harbour	2		6			4		1					7	7		4					
Williamstown						2							3			4					
Youghal Quay	4					3										33					

October 2022 I-WeBS Parteen Basin				
Parteen Basin Subsite	**CA**	**GG**	**MA**	**MS**
Ardcloony	3	3		33
Clarisford	1	2	1	5
O'Briensbridge				5
O'Briensbridge Montpelier				3

November 2022 I-WeBS Lough Derg															
Lough Derg Subsite	**BH**	**CA**	**CN**	**CO**	**CS**	**CU**	**GG**	**KF**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**
Ballycuggeran Bay	16						2				16		5			
Blackrock point	2															
Bunglasha Bay								1					2	3		
Castlelough Public Park	1												2			
Church Bay				1												
Clery's Point				1												
Cloonoolia Bay A									1				2	12		

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November 2022 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CN**	**CO**	**CS**	**CU**	**GG**	**KF**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**
Cloonoolia South														91		
Derrymaccegan Bay	25	2									14		2			
Dromineer Bay	10			4						7	7		2			
Ducey's Harbour				5												
Friary										1	61					
Garrykennedy Harbour	33	2			1		3		2	5	58		2			
Glenbower	2	3		14									3	33	1	
Gortmore	5	3											1	140		
Illanaboe						1										
Kilgarvan Quay		2	1				5					1		2		
Luska		1						1					3	34		
Mountshannon		1											1	25		
Rossmore Pier													2			
Skehanagh													4			1
Terryglass Harbour	4	3					3				7					
Williamstown	21										2					
Youghal Quay	5	1											6	11		

November 2022 I-WeBS Parteen Basin				
Parteen Basin Subsite	**BH**	**CA**	**GG**	**MS**
Ardcloony		1		27
Clarisford	2		1	
O'Briensbridge				6

December 2022 I-WeBS Lough Derg																			
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GL**	**GN**	**H.**	**KF**	**L.**	**LG**	**MA**	**MH**	**MS**	**ND**	**TU**	**WA**	**WS**	**ZL**
Ballycuggeran Bay	52												20		7					
Ballyheefy					1										1					
Blackrock point					1							2			2					
Bunglasha Bay		1													2		7			
Castlelough Public Park		1		1											1					
Church Bay														1	1					
Clery's Point											40		5		2					
Cloondadauv						5													12	
Cloonoolia Bay A															12		14			
Derrymaccegan Bay	36	3			1								14							
Dromineer Bay	17	3	1									3			2		2			
Ducey's Harbour			1										4		1					
Friary	31				1								27	3						
Garrykennedy Harbour	26	2			4					1		2	0		0					
Glenbower	1	3										1			3					
Gortmore	1	10			1								2							
Kilcooney		1																		
Kilgarvan Quay		4			2							1	1	1	3		35			
Knockaphort		1													3					
Luska		4			4			3			28				3		35	1		
Mota		4			3										9		3			4
Mountshannon													4		3	1	32			
Old Village															1					
Rossmore Pier		1										2			1		3			
Ryninch															1					
Skehanagh	4	1							1						4		4			
Terryglass Harbour	1	7			2		1				8		18	1			15			
Williamstown													27							
Youghal Quay		2	22		5				2						23		61			

December 2022 I-WeBS Parteen Basin						
Parteen Basin Subsite	**CA**	**GG**	**H.**	**MS**	**TU**	**WS**
Ardcloony	9	1		34	220	2
Clarisford	1	1		2		18
O'Briensbridge Montpelier			1			

January 2023 I-WeBS Lough Derg																	
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GP**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**T**	**TU**	**WS**
Ballycuggeran Bay	59				1					1		15		4			
Ballyheefy				1	1												
Bearoge Island		11															
Blackrock point		2										3					
Bunglasha Bay											1	4		2			
Castlelough Public Park		1												2			
Church Bay											2			1			
Clery's Point											2						
Cloondadauv														1		3	6
Cloonoolia Bay A																80	
Cloonoolia South	7																
Derry Demense														4			
Derrymaccegan Bay	7	4			4	6					2	8	2			6	11
Dromineer Bay	1																
Ducey's Harbour		3	17								7	28	1	2		4	
Friary		4	1		2							47				26	
Garrykennedy Harbour	26											14		5			
Glenbower		2												3		5	
Gortmore		3												2			
Illanaboe			1								1			2		18	
Kilcooney									75						70		
Kilgarvan Quay					1											12	
Knockaphort		2									1					11	
Luska					1									3			
Mota			3		1									2		52	
Mountshannon		3						1						3			
Old Village						7											
Rossmore Pier																	4
Terryglass Harbour	3	2										9					
Williamstown	12																
Youghal Quay							12							2			

January 2023 I-WeBS Parteen Basin												
Parteen Basin Subsite	**BH**	**CA**	**ET**	**GJ**	**GN**	**L.**	**LB**	**MA**	**MH**	**MS**	**RK**	**TU**
Ardcloony		11	1	35		3	1			12		101
Clarisford	7	2			11			2	1	2		
O'Briensbridge	12								1		1	
O'Briensbridge Montpelier	14	2				53	1	5		2		

February 2023 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CM**	**CO**	**GG**	**GJ**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**T**	**TU**	**WA**	**WS**
Ballycuggeran Bay	8	2			1					8		1				
Bearoge Island		27		2								2		15	1	
Blackrock point					1					2		1				
Bunglasha Bay		1										1				

February 2023 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CM**	**CO**	**GG**	**GJ**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**T**	**TU**	**WA**	**WS**
Castlelough Public Park	2											3				
Church Bay									2							
Clery's Point				1					2	2						
Cloondadauv	16				4	8					2	2		26		120
Cloonoolia Bay A	15															
Derrymaccegan Bay		4		4	5				2	8	2	6		38		
Drominagh					6		19					1				
Dromineer Bay	36	1		4	6							3				
Ducey's Harbour		1	1	3	5					12		2				
Friary				2	4					28		2		17		
Garrykennedy Harbour	155	2								2		6				
Glenbower										2		6				
Gortmore		1		8	1							1				
Illanaboe	8								1			2				
Kilcooney	8															
Kilgarvan Quay		1			2							3		16		
Knockaphort				1	1									20		
Luska	2	5			1							6				
Mota		1		6	6							2		12		
Mountshannon										10		2		3		8
Old Village						74			2			2	2			
Rossmore Pier						2				3	2	4				
Skehanagh	1	2				2						3				
Terryglass Harbour	2	6						1				2				
Williamstown												4				
Youghal Quay												3				

February 2023 I-WeBS Parteen Basin									
Parteen Basin Subsite	**BH**	**CA**	**CO**	**H.**	**MA**	**MH**	**MS**	**TU**	**WE**
Ardcloony	4	4	1		8		10	34	1
Clarisford		2					5		
O'Briensbridge	23				2		2		
O'Briensbridge Montpelier	8	1		1		1	1		

March 2023 I-WeBS Lough Derg															
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**LB**	**LG**	**MA**	**MH**	**MS**	**RM**	**T**	**TU**	**WS**
Ballycuggeran Bay	2								9						
Ballyheefy									4		2				
Bearoge Island		38			1			3							
Blackrock point			2					2							
Bunglasha Bay		3			2						2				
Castlelough Public Park	76										4				
Church Bay			2												
Clery's Point														3	
Cloondadauv	2														
Cloonoolia Bay A	2	1							2		2				
Cloonoolia South									3		2			4	
Derry Demense											2				
Derrymaccegan Bay	1	1	6		2			2	2		1	2		24	
Drominagh	70	1													
Dromineer Bay	33	2			5						7				
Ducey's Harbour		2	10		2			2	25		4			5	
Friary	7		4		2		1		38		3				
Garrykennedy Harbour	3								12		4				
Gortmore		7	1								6				
Illanaboe			2					2							
Kilgarvan Quay		2	1		1						3			5	

March 2023 I-WeBS Lough Derg														
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**LB**	**LG**	**MA**	**MH**	**MS**	**RM**	**T**	**TU**	**WS**
Knockaphort		2	1	1				2			7			33	
Luska	1		2	2	2						3			24	
Mota		7			2					1	5			16	
Mountshannon			3		2			1	2		10			20	
Old Village					2	21									
Rossmore Pier		1			1						5				
Skehanagh	7					11			2		16		4		
Terryglass Harbour	3			1	2				2		3				
Towards Spa Island North											2				
Williamstown								4	4		6				
Youghal Quay	13	1	1								8				28

March 2023 I-WeBS Parteen Basin									
Parteen Basin Subsite	**BH**	**CA**	**GG**	**GJ**	**GN**	**KF**	**MA**	**MS**	**TU**
Ardcloony		4	1	27	2			7	37
Clarisford	38	2	2		2	2	2	2	
O'Briensbridge								2	
O'Briensbridge Montpelier	3						2	1	

Lough Derg Vantage Point Results 2022/2023:

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	11/10/2022	JS	7:50	MS	7	No	Yes	-	N/A	N/A	Family of one adult and 6 of this year's cygnets on water. Remained throughout
Two Mile Gate LD VP	11/10/2022	JS	8:50	GG	1	No	Yes	-	N/A	N/A	Adult feeding and hunting in water
Two Mile Gate LD VP	11/10/2022	JS	8:21	CA	1	Yes	No	-	S	N/A	Left water and flew south low. Then landed in water approx. 100m away
Two Mile Gate LD VP	11/10/2022	JS	8:26	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	11/10/2022	JS	8:29	MA	1	Yes	No	-	S	Towards Parteen Basin	Male. Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	11/10/2022	JS	8:35	BH	1	Yes	No	-	N	Towards Lough Derg	Flew along west shore heading N until oov
Two Mile Gate LD VP	11/10/2022	JS	8:54	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from S heading N
Two Mile Gate LD VP	11/10/2022	JS	8:50	BH	3	Yes	No	-	S	Towards Parteen Basin	Flew along east shore heading S until oov, possibly towards Parteen
Two Mile Gate LD VP	11/10/2022	JS	9:06	CA	1	Yes	No	-	S	N/A	Flew south low over water, then turned landed in water
Two Mile Gate LD VP	11/10/2022	JS	9:08	H	1	Yes	No	-	S	N/A	Flew along west shore then landed on jetty south of VP
Two Mile Gate LD VP	11/10/2022	JS	9:15	MS	7	Yes	No	-	N	Towards Lough Derg	3 adults and 4 juv., left water and flew N until oov
Two Mile Gate LD VP	11/10/2022	JS	9:43	KF	1	Yes	No	-	N	N/A	Flew along west shore past VP
Two Mile Gate LD VP	11/10/2022	JS	10:11	CA	1	Yes	No	-	S	N/A	Left water and flew south low. Then landed again.
Two Mile Gate LD VP	11/10/2022	JS	10:16	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from S heading N
Two Mile Gate LD VP	11/10/2022	JS	12:21	BH	1	Yes	No	-	N	Towards Lough Derg	Flew along west shore heading N until oov
Two Mile Gate LD VP	11/10/2022	JS	12:33	BH	30	Yes	No	-	N	Towards Lough Derg	Flew along east shore heading N before landing on rocks along shore
Flanagans LD VP	11/10/2022	JC	06:50	BH	1	Yes	No	-	W	N/A	
Flanagans LD VP	11/10/2022	JC	06:57	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	07:04	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:12	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:23	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:34	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:51	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	08:02	BH	1	Yes	No	-	N	N/A	
Flanagans LD VP	11/10/2022	JC	08:24	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	08:56	BH	1	Yes	No	-	W	N/A	
Flanagans LD VP	11/10/2022	JC	09:19	BH	1	Yes	No	-	E	N/A	
Flanagans LD VP	11/10/2022	JC	09:41	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	10:20	BH	1	Yes	No	-	W	N/A	
Flanagans LD VP	11/10/2022	JC	10:20	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	10:41	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	11:09	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	11:22	CA	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	11:45	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	11:52	CA	2	Yes	No	-	NW	N/A	
Clarisford Park PB VP	12/10/2022	JS	7:50	MS	1	No	Yes	-	N/A	N/A	Adult near RWI, seen on arrival
Clarisford Park PB VP	12/10/2022	JS	7:50	MA	1	No	Yes	-	N/A	N/A	Adult male near RWI, seen on arrival
Clarisford Park PB VP	12/10/2022	JS	13:59	WA	1	No	Yes	-	N/A	N/A	Calling WA from reed bed to west of VP

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	12/10/2022	JS	11:20	CA	5	No	Yes	-	N/A	N/A	Number of CA roosting on posts near edge of water
Clarisford Park PB VP	12/10/2022	JS	7:58	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along West Bank past VP and appeared to continue on towards Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	8:25	BH	8	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	9:10	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew N slowly rising. Appeared to continue to Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	9:20	MS	1	Yes	No	-	S	N/A	Adult. Short flight within basin
Clarisford Park PB VP	12/10/2022	JS	9:30	CA	1	Yes	No	-	N	Towards Lough Derg	Flew along West Bank and over VP. Appeared to continue to Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	9:40	MA	2	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	9:49	MS	1	Yes	No	-	N	Towards Lough Derg	Flew along West Bank and past VP, low over water. Appeared to continue to Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	9:58	MA	4	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and landed behind reeds, appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	10:09	MA	9	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and landed behind reeds, appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	10:42	CA	1	Yes	No	-	N	N/A	Flight within basin. Left water and flew low, landed in water in front of VP
Clarisford Park PB VP	12/10/2022	JS	10:46	BH	3	Yes	No	-	S	Towards Parteen Basin	Flew along East Bank past VP, appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	11:24	BH	2	Yes	No	-	N	Towards Parteen Basin	Flew along West Bank past VP and appeared to come from Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	11:47	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along West Bank past VP and appeared to continue on towards Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	13:24	WS	6	Yes	No	-	N	N/A	Flew up West Bank calling, before land out of view behind reeds
Clarisford Park PB VP	12/10/2022	JS	13:38	KF	2	Yes	No	-	E	N/A	Pair flew briefly across VP until out of view
Clarisford Park PB VP	12/10/2022	JS	13:54	K	1	Yes	No	-	W	N/A	Adult flew towards lake, then was mobbed by HC and turned W until oov
Ardcloony PB VP	24/10/2022	JC	11:50	MS	15	No	Yes	-	N/A	N/A	15 adult MS on lake when survey began
Ardcloony PB VP	24/10/2022	JC	13:20	MS	9	No	Yes	-	N/A	N/A	8 Ad, 1 juv.
Ardcloony PB VP	24/10/2022	JC	15:20	TU	18	No	Yes	-	N/A	N/A	Flock of tufted duck on water
Ardcloony PB VP	24/10/2022	JC	11:50	L	16	Yes	No	-	W	Towards Parteen Basin	Loafing on lake then flushed by surveyor and landed on small spit of land north of VP
Ardcloony PB VP	24/10/2022	JC	12:20	BH	1	Yes	No	-	SW	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	11:50	ET	1	Yes	No	-	NW	Towards Parteen Basin	Landed on small spot of land
Ardcloony PB VP	24/10/2022	JC	13:05	BH	1	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Ardcloony PB VP	24/10/2022	JC	13:42	BH	1	Yes	No	-	NW	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	14:05	MS	2	Yes	No	-	S	Towards Parteen Basin	Flew from water and landed on water again
Ardcloony PB VP	24/10/2022	JC	14:10	BH	6	Yes	No	-	SW	Towards Lower Shannon	Flew over bridge
Ardcloony PB VP	24/10/2022	JC	14:31	BH	1	Yes	No	-	W	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	24/10/2022	JC	14:38	H	1	Yes	No	-	W	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	15:20	CA	2	Yes	No	-	S	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	15:42	BH	1	Yes	No	-	SW	Towards Lower Shannon	Flew over bridge
Ardcloony PB VP	24/10/2022	JC	16:05	MS	2	Yes	No	-	S	Towards Parteen Basin	Flew from water and landed on water again
Ardcloony PB VP	24/10/2022	JC	16:07	BH	1	Yes	No	-	N	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	24/10/2022	JC	16:34	MS	2	Yes	No	-	W	Towards Parteen Basin	Took off from water and landed on water
Ardcloony PB VP	24/10/2022	JC	16:34	CA	1	Yes	No	-	SW	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	17:10	BH	1	Yes	No	-	SE	Towards Parteen Basin	Landed on water
Ardcloony PB VP	24/10/2022	JC	17:27	BH	1	Yes	No	-	NW	Towards Parteen Basin	Landed on water
Clarisford Park PB VP	09/11/2022	JS	10:20	LG	2	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Clarisford Park PB VP	09/11/2022	JS	10:20	MS	6	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Clarisford Park PB VP	09/11/2022	JS	10:20	GN	6	No	Yes	-	N/A	N/A	Seen on arrival, slowly drifting to open water
Clarisford Park PB VP	09/11/2022	JS	10:20	CA	1	No	Yes	-	N/A	N/A	Seen on arrival, perched on stump In water
Flanagans LD VP	09/11/2022	JS	13:50	CA	1	No	Yes	-	N/A	N/A	Seen on arrival, perched on navigation marker
Flanagans LD VP	09/11/2022	JS	13:50	BH	6	No	Yes	-	N/A	N/A	Seen on arrival, birds evenly perched on buoys near bridge, remained at location throughout survey
Clarisford Park PB VP	09/11/2022	JS	11:56	GN	5	Yes	No	-	S	Towards Parteen Basin	Flew from Killaloe direction, low to water. Landed and immediately began feeding/diving. Female x4, male x1
Clarisford Park PB VP	09/11/2022	JS	12:40	MA	1	Yes	No	-	S	Towards Parteen Basin	Male, flew from Killaloe direction, low to water. Landed behind reeds.
Flanagans LD VP	09/11/2022	JS	14:06	K	1	Yes	No	-	S	Towards Parteen Basin	Flew along W bank before crossing river to east bank and began hunting, then drifted o.o.v.
Flanagans LD VP	09/11/2022	JS	14:24	MS	4	Yes	No	-	S	Towards Parteen Basin	2 ad and 2 juv., flew over bridge and landed shortly after
Flanagans LD VP	09/11/2022	JS	14:56	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew along riverbank and over bridge continuing S
Flanagans LD VP	09/11/2022	JS	14:18	BH	3	Yes	No	-	N	Towards Lough Derg	Flew along riverbank and over bridge continuing N
Flanagans LD VP	09/11/2022	JS	15:15	BH	3	Yes	No	-	S	N/A	Flew from S/Parteen basin, circled and landed on the buoys near bridge
Flanagans LD VP	09/11/2022	JS	15:18	BH	3	Yes	No	-	S	N/A	Flew from S/Parteen basin, circled and landed on the buoys near bridge
Flanagans LD VP	09/11/2022	JS	15:19	CA	1	Yes	No	-	N	Towards Lough Derg	Flew high over bridge heading N
Flanagans LD VP	09/11/2022	JS	15:18	BH	5	Yes	No	-	N	Towards Lough Derg	Flew along riverbank and over bridge continuing N, dip feeding along way
Flanagans LD VP	09/11/2022	JS	16:28	BH	5	Yes	No	-	N	Towards Lough Derg	Flew along riverbank and over bridge continuing N, dip feeding along way
Flanagans LD VP	09/11/2022	JS	16:45	BH	3	Yes	No	-	N	Towards Lough Derg	Left buoys by bridge and flew north
Clarisford Park PB VP	10/11/2022	JS	13:50	MS	8	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Two Mile Gate LD VP	10/11/2022	JC	16:28	MS	1	No	Yes	-	N/A	N/A	Adult on water
Flanagans LD VP	10/11/2022	JS	10:43	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S
Flanagans LD VP	10/11/2022	JS	10:49	BH	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S along canal
Flanagans LD VP	10/11/2022	JS	11:49	LB	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S
Flanagans LD VP	10/11/2022	JS	11:20	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S
Flanagans LD VP	10/11/2022	JS	12:57	BH	7	Yes	No	-	N	Towards Lough Derg	Small loose flock travelling north, flew over bridge high and dropped low again dip feeding along the way
Clarisford Park PB VP	10/11/2022	JS	14:45	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew over Clarisford park high over powerlines and landed in water

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	10/11/2022	JS	14:26	BH	12	Yes	No	-	S	Towards Parteen Basin	Small loose flock travelling slowly s along east bank.
Clarisford Park PB VP	10/11/2022	JS	14:45	MA	1	Yes	No	-	S	Towards Parteen Basin	Flew over Clarisford park high over powerlines and landed in water
Clarisford Park PB VP	10/11/2022	JS	15:07	WS	4	Yes	No	-	E	N/A	Flight within basin. 3 ad and 1 juv.
Clarisford Park PB VP	10/11/2022	JS	15:27	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew low, heading towards Killaloe direction
Clarisford Park PB VP	10/11/2022	JS	15:37	BH	9	Yes	No	-	N	Towards Lough Derg	Small loose flock travelling slowly N towards Killaloe
Two Mile Gate LD VP	10/11/2022	JC	11:40	H	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	10:23	BH	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	13:50	BH	1	Yes	No	-	S	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	13:58	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	14:20	BH	1	Yes	No	-	S	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	14:55	CA	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	15:02	BH	1	Yes	No	-	N	Towards Lough Derg	
Ardcloony PB VP	15/11/2022	JC	8:00	MS	38	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	8:00	GG	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	8:52	MA	2	No	Yes	-	N/A	N/A	Male and female
Ardcloony PB VP	15/11/2022	JC	11:30	TU	54	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	12:12	GG	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	12:50	TU	30	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	12:50	PO	3	No	Yes	-	N/A	N/A	Swimming with flock of TU
Ardcloony PB VP	15/11/2022	JC	13:24	WS	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	10:15	H	1	Yes	No	-	W	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	15/11/2022	JC	9:55	ET	1	Yes	No	-	E	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	15/11/2022	JC	11:1	L	28	Yes	No	-	SE	Towards Parteen Basin	Flock flew over lake, changing directions several times, flew out of sight
Ardcloony PB VP	15/11/2022	JC	8:00	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	15/11/2022	JC	8:52	MS	2	Yes	No	-	S	Towards Parteen Basin	Took off from water and landed on water again
Ardcloony PB VP	15/11/2022	JC	10:10	CA	2	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Ardcloony PB VP	15/11/2022	JC	10:46	BH	1	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	15/11/2022	JC	11:40	BH	1	Yes	No	-	W	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	15/11/2022	JC	12:31	BH	1	Yes	No	-	S	Towards Parteen Basin	Landed on water
Ardcloony PB VP	15/11/2022	JC	13:00	H	1	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	15/11/2022	JC	13:05	BH	1	Yes	No	-	W	Towards Parteen Basin	Flew from bank and landed on bank again
Ardcloony PB VP	15/11/2022	JC	13:48	BH	2	Yes	No	-	N	Towards Parteen Basin	
Flanagans LD VP	06/12/2022	JS	8:30	BH	2	No	Yes	-	N/A	N/A	Seen on arrival, birds evenly perched on buoys near bridge, remained at location throughout survey
Two Mile Gate LD VP	06/12/2022	JC	10:42	GG	1	No	Yes	-	N/A	N/A	
Two Mile Gate LD VP	06/12/2022	JC	8:30	MS	2	No	Yes	-	N/A	N/A	
Flanagans LD VP	06/12/2022	JC	12:00	BH	12	No	Yes	-	N/A	N/A	Resting on buoys
Flanagans LD VP	06/12/2022	JS	8:41	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew along riverbank and over bridge continuing S
Flanagans LD VP	06/12/2022	JS	8:54	BH	5	Yes	No	-	N	N/A	Flock flew up from Parteen, circled and landed in buoys near bridge
Flanagans LD VP	06/12/2022	JS	9:07	BH	7	Yes	No	-	S	Towards Parteen Basin	Disturbance caused by stand-up paddle boarder and flew S towards Parteen
Flanagans LD VP	06/12/2022	JS	9:11	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew along riverbank and over bridge continuing S
Flanagans LD VP	06/12/2022	JS	9:22	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along riverbank and over bridge continuing N
Flanagans LD VP	06/12/2022	JS	10:08	CA	1	Yes	No	-	N	Towards Lough Derg	Flew over bridge continuing N
Flanagans LD VP	06/12/2022	JS	10:13	CA	1	Yes	No	-	N	Towards Lough Derg	Flew over Killaloe and continued N
Flanagans LD VP	06/12/2022	JS	10:17	BH	7	Yes	No	-	N	N/A	Flock flew up from Parteen, circled and landed in buoys near bridge
Flanagans LD VP	06/12/2022	JS	10:20	CA	2	Yes	No	-	N	Towards Lough Derg	Flew from Parteen and continued N
Flanagans LD VP	06/12/2022	JS	10:44	LB	2	Yes	No	-	N	Towards Lough Derg	Flew along riverbank and over bridge continuing N
Flanagans LD VP	06/12/2022	JS	10:58	CA	1	Yes	No	-	N	Towards Lough Derg	Flew low over water continuing N
Flanagans LD VP	06/12/2022	JS	11:00	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from Parteen and continued N
Flanagans LD VP	06/12/2022	JS	10:56	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew from LD and continued S
Flanagans LD VP	06/12/2022	JS	11:05	KF	1	Yes	No	-	N	Towards Lough Derg	Flew fast along east bank heading north
Two Mile Gate LD VP	06/12/2022	JC	8:32	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	8:56	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	9:05	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	9:42	KF	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	9:53	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	10:34	MA	3	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	12:00	BH	1	Yes	No	-	N	Towards Lough Derg	Landed on buoy with 11 other BH
Flanagans LD VP	06/12/2022	JC	12:06	BH	1	Yes	No	-	W	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	12:06	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	12:42	BH	1	Yes	No	-	SE	Towards Lough Derg	Flew over bridge
Flanagans LD VP	06/12/2022	JC	13:05	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	13:30	BH	1	Yes	No	-	E	Towards Lough Derg	Landed on buoy
Flanagans LD VP	06/12/2022	JC	14:10	BH	1	Yes	No	-	W	Towards Lough Derg	

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	06/12/2022	JC	14:47	BH	1	Yes	No	-	SE	Towards Lough Derg	Flew over bridge
Flanagans LD VP	06/12/2022	JC	14:50	BH	2	Yes	No	-	E	Towards Lough Derg	Landed on grassy area near VP
Flanagans LD VP	06/12/2022	JC	13:15	CA	2	Yes	No	-	W	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JS	12:46	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	06/12/2022	JS	13:25	LB	1	Yes	No	-	N	Towards Lough Derg	Flying high over lake and continued N
Two Mile Gate LD VP	06/12/2022	JS	14:00	WS	1	Yes	No	-	N	Towards Lough Derg	Single WS flew N, heard calling.
Two Mile Gate LD VP	06/12/2022	JS	14:23	MA	2	Yes	No	-	S	Towards Parteen Basin	Male and female. Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	06/12/2022	JS	14:35	GG	1	Yes	No	-	S	Towards Parteen Basin	Flew low and fast, heading towards Killaloe until oov
Clarisford Park PB VP	07/12/2022	JS	8:30	WS	18	No	Yes	-	N/A	N/A	Flock roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	GN	8	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	TU	52	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	LG	5	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	MS	9	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:57	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough derv
Clarisford Park PB VP	07/12/2022	JS	8:57	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough derv
Clarisford Park PB VP	07/12/2022	JS	10:08	K	1	Yes	No	-	E	N/A	Flew from W to E over water
Clarisford Park PB VP	07/12/2022	JS	10:26	CA	1	Yes	No	-	N	Towards Lough Derg	Flying towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	11:14	CA	1	Yes	No	-	N	Towards Lough Derg	Flying towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	10:54	ET	1	Yes	No	-	E	N/A	Flew from W to E over water
Clarisford Park PB VP	07/12/2022	JS	12:50	MS	1	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	13:50	CA	1	Yes	No	-	S	Towards Parteen Basin	flew from Killaloe, landing in water
Clarisford Park PB VP	07/12/2022	JS	13:58	MA	2	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	14:08	ET	1	Yes	No	-	N	N/A	Flight within basin, flew along west shore and landed
Clarisford Park PB VP	07/12/2022	JS	14:08	ET	1	Yes	No	-	N	Towards Lough Derg	Left west shore and flew towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	14:49	MS	1	Yes	No	-	S	Towards Parteen Basin	Flew from Killaloe into Parteen basin and landed in water
Ardcloony PB VP	13/12/2022	JC	10:15	TU	230	No	Yes	-	N/A	N/A	
Ardcloony PB VP	13/12/2022	JC	10:15	WS	18	No	Yes	-	N/A	N/A	
Ardcloony PB VP	13/12/2022	JC	10:15	CA	16	No	Yes	-	N/A	N/A	Resting on tree on small island
Ardcloony PB VP	13/12/2022	JC	10:20	H	1	Yes	No	-	W	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	10:15	CA	1	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Ardcloony PB VP	13/12/2022	JC	10:26	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	11:03	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	12:20	L	8	Yes	No	-	NW	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	13:55	CA	2	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	14:22	BH	1	Yes	No	-	NE	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	13/12/2022	JC	14:22	BH	1	Yes	No	-	N	Towards Parteen Basin	Dipped and drank water then continued flying N
Ardcloony PB VP	13/12/2022	JC	16:32	BH	1	Yes	No	-	W	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	13/12/2022	JC	16:38	H	1	Yes	No	-	SW	Towards Parteen Basin	Landed on small spit of land
Flanagans LD VP	10/01/2023	JS	10:10	BH	3	No	Yes	-	N/A	N/A	Seen on arrival, foraging on lawn area
Flanagans LD VP	10/01/2023	JS	13:40	BH	7	No	Yes	-	N/A	N/A	Resting on buoys
Flanagans LD VP	10/01/2023	JS	11:32	BH	2	Yes	No	-	S	Towards Parteen Basin	Pair slow drifting and quartering over water heading downstream, over bridge until oov
Flanagans LD VP	10/01/2023	JS	12:34	BH	1	Yes	No	-	S	N/A	Flew from LD low over water and landed on buoys upstream of bridge
Flanagans LD VP	10/01/2023	JS	12:34	BH	5	Yes	No	-	S	N/A	Flew from LD low over water and landed on buoys upstream of bridge
Flanagans LD VP	10/01/2023	JS	15:34	MA	2	Yes	No	-	S	Towards Parteen Basin	Pair heading downstream, over bridge until oov
Flanagans LD VP	10/01/2023	JS	14:13	BH	7	Yes	No	-	N	Towards Lough Derg	Flock flew from Parteen basin heading towards Lough Derg
Flanagans LD VP	10/01/2023	JS	16:03	BH	4	Yes	No	-	N	Towards Lough Derg	Flock flew from Parteen basin heading towards Lough Derg
Flanagans LD VP	10/01/2023	JS	16:07	BH	18	Yes	No	-	S	Towards Parteen Basin	Flock flew from Lough Derg, slowly meandering downstream towards Parteen Basin
Clarisford Park PB VP	11/01/2023	JC	13:45	GN	6	No	Yes	-	N/A	N/A	3 male and 3 female, on site for duration of survey
Clarisford Park PB VP	11/01/2023	JC	13:45	MS	2	No	Yes	-	N/A	N/A	2 adults
Clarisford Park PB VP	11/01/2023	JC	14:24	GG	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	11/01/2023	JS	10:10	MS	2	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Clarisford Park PB VP	11/01/2023	JS	10:10	GN	6	No	Yes	-	N/A	N/A	feeding in this area on arrival
Two Mile Gate LD VP	11/01/2023	JC	12:14	MH	1	No	Yes	-	N/A	N/A	Adult swimming past VP
Two Mile Gate LD VP	11/01/2023	JC	10:15	BH	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	11/01/2023	JC	10:42	BH	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	11/01/2023	JC	11:50	BH	3	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	11/01/2023	JC	12:16	BH	2	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	11/01/2023	JC	14:05	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	16:32	CA	1	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Clarisford Park PB VP	11/01/2023	JC	14:03	BH	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	14:52	BH	1	Yes	No	-	N	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	15:10	BH	3	Yes	No	-	N	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	15:45	BH	1	Yes	No	-	N	Towards Parteen Basin	

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	11/01/2023	JC	16:12	GN	2	Yes	No	-	SW	Towards Parteen Basin	2 adult males, landed on water
Clarisford Park PB VP	11/01/2023	JC	16:42	BH	3	Yes	No	-	W	Towards Parteen Basin	
Two Mile Gate LD VP	11/01/2023	JS	13:48	CA	1	Yes	No	-	S	Towards Parteen Basin	Low over water heading towards Killaloe
Two Mile Gate LD VP	11/01/2023	JS	14:11	BH	23	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe, loose flock slowly drifting N some birds dip feeding along the way
Two Mile Gate LD VP	11/01/2023	JS	16:30	BH	17	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe, loose flock slowly drifting N
Clarisford Park PB VP	11/01/2023	JS	11:10	BH	14	Yes	No	-	N	Towards Lough Derg	Loose flock travelling slowly N along east bank.
Clarisford Park PB VP	11/01/2023	JS	11:16	PE	1	Yes	No	-	E	N/A	Flew from west over Parteen and landed in trees on east bank, remained here from number of minutes
Clarisford Park PB VP	11/01/2023	JS	11:20	PE	1	Yes	No	-	E	N/A	Peregrine left trees and flew E until oov
Clarisford Park PB VP	11/01/2023	JS	11:42	MS	2	Yes	No	-	N	Towards Lough Derg	Left water and flew north towards Killaloe
Two Mile Gate LD VP	12/01/2023	JS	15:50	BH	7	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe, loose flock slowly drifting N some birds dip feeding along the way
Ardcloony PB VP	17/01/2023	JC	8:35	MS	18	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	8:35	WS	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	9:02	CA	7	No	Yes	-	N/A	N/A	Perched in tree on small islet
Ardcloony PB VP	17/01/2023	JC	8:35	TU	38	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	8:50	GG	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	8:55	BH	1	Yes	No	-	NW	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	17/01/2023	JC	8:40	BH	1	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	17/01/2023	JC	8:52	CA	2	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	17/01/2023	JC	9:05	BH	1	Yes	No	-	NE	Towards Parteen Basin	Landed on water
Ardcloony PB VP	17/01/2023	JC	11:03	MS	2	Yes	No	-	S	Towards Parteen Basin	Took off from water and landed on water
Ardcloony PB VP	17/01/2023	JC	11:34	BH	2	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	17/01/2023	JC	12:20	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew under bridge
Ardcloony PB VP	17/01/2023	JC	12:20	BH	2	Yes	No	-	NW	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	17/01/2023	JC	13:45	MS	1	Yes	No	-	NE	Towards Parteen Basin	Took off from water and landed back on water
Ardcloony PB VP	09/02/2023	JC	10:40	TU	22	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	10:30	MS	3	No	Yes	-	N/A	N/A	2 adults and 1 juvenile
Ardcloony PB VP	09/02/2023	JC	10:30	MS	7	No	Yes	-	N/A	N/A	All adults
Ardcloony PB VP	09/02/2023	JC	10:35	GG	2	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	10:35	CA	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	16:04	H	1	Yes	No	-	NW	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	09/02/2023	JC	16:20	L	38	Yes	No	-	NW	Towards Parteen Basin	flock changed direction many times before flying out of site
Ardcloony PB VP	09/02/2023	JC	14:45	CA	1	Yes	No	-	N	Towards Parteen Basin	Landed on tree on small islet
Flanagans LD VP	14/02/2023	RA	09:24	BH	15	No	Yes	-	N/A	N/A	Adult BH perched on buoys along bridge. Several BH came and went through the duration of the survey
Flanagans LD VP	14/02/2023	RA	09:25	BH	7	No	Yes	-	N/A	N/A	Adult BH landed on water
Flanagans LD VP	14/02/2023	RA	09:47	MS	2	No	Yes	-	N/A	N/A	Swimming up the river
Flanagans LD VP	14/02/2023	RA	11:15	BH	15	No	Yes	-	N/A	N/A	Adult BH perched on buoys along bridge. Several BH came and went through the duration of the survey
Flanagans LD VP	14/02/2023	RA	12:27	BH	7	No	Yes	-	N/A	N/A	Loafing
Flanagans LD VP	14/02/2023	RA	07:41	BH	32	Yes	No	-	S		
Flanagans LD VP	14/02/2023	RA	07:45	CA	1	Yes	No	-	N		
Flanagans LD VP	14/02/2023	RA	07:48	MA	6	Yes	No	-	S		
Flanagans LD VP	14/02/2023	RA	07:49	MA	1	Yes	No	-	S		
Flanagans LD VP	14/02/2023	RA	07:50	MA	10	Yes	No	-	N		
Flanagans LD VP	14/02/2023	Ra	07:53	BH	26	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	07:57	BH	8	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	08:03	BH	13	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	08:13	BH	7	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	08:20	BH	15	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	08:20	BH	7	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	08:29	BH	4	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	08:30	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	08:37	BH	38	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	08:43	MA	3	Yes	No	-			Flew NE before turning and landing in the water
Flanagans LD VP	14/02/2023	Ra	08:46	BH	7	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	RA	08:50	MA	3	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	RA	09:01	K	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	09:03	BH	1	Yes	No	-	N		
Flanagans LD VP	14/02/2023	RA	09:10	BH	5	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	09:12	CA	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	09:45	BH	2	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	09:57	BH	4	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	10:11	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	10:19	BH	3	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	11:17	BH	1	Yes	No	-	SE		

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	14/02/2023	Ra	11:23	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:25	CA	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	11:30	BH	6	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:47	BH	6	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:54	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	12:33	BH	3	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	12:57	BH	3	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	13:02	BH	9	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	13:02	BH	2	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	13:10	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	13:20	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	13:32	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	13:32	BH	6	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	08:02	WS	12	No	Yes	-	N/A	N/A	4 juveniles
Clarisford Park PB VP	15/02/2023	RA	09:47	TU	8	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:19	MS	2	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	08:52	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	08:53	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	09:23	WS	4	No	Yes	-	N/A	N/A	2 juveniles
Clarisford Park PB VP	15/02/2023	RA	09:37	CA	1	No	Yes	-	N/A	N/A	Diving
Clarisford Park PB VP	15/02/2023	RA	09:47	TU	7	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:12	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:19	MS	2	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:31	MS	1	No	Yes	-	N/A	N/A	Adult
Clarisford Park PB VP	15/02/2023	RA	11:31	MA	1	No	Yes	-	N/A	N/A	Adult
Two Mile Gate LD VP	15/02/2023	JC	8:00	MA	4	No	Yes	-	N/A	N/A	2 makes, 2 females, resting on wooden pier
Two Mile Gate LD VP	15/02/2023	JC	7:50	MS	2	No	Yes	-	N/A	N/A	
Two Mile Gate LD VP	15/02/2023	JC	7:50	BH	49	No	Yes	-	N/A	N/A	Resting on bank/vegetation
Clarisford Park PB VP	15/02/2023	JC	8:14	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	8:55	BH	1	Yes	No	-	SW	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	9:21	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	10:31	CA	1	Yes	No	-	S	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	13:10	MS	2	Yes	No	-	NE	Towards Lough Derg	Took off from water and landed back on water
Clarisford Park PB VP	15/02/2023	RA	07:50	BH	3	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	07:51	BH	2	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	07:42	BH	2	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	08:06	GJ	2	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	08:19	MA	3	Yes	No	-	E		Landed in water
Flanagans LD VP	15/02/2023	RA	08:41	LG	1	Yes	No	-			Landed in water
Clarisford Park PB VP	15/02/2023	RA	08:44	MA	2	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	08:54	BH	4	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	08:57	BH	3	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	08:57	CA	1	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	09:08	BH	11	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	09:08	BH	11	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	09:15	BH	1	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	09:15	MA	3	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	09:18	BH	1	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	09:20	MA	3	Yes	No	-	S		Flushed by boat
Clarisford Park PB VP	15/02/2023	RA	09:21	TU	6	Yes	No	-	SE		Flushed by boat
Clarisford Park PB VP	15/02/2023	RA	09:28	BH	9	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	09:30	BH	1	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	09:35	MA	4	Yes	No	-	NE		
Clarisford Park PB VP	15/02/2023	RA	09:45	CA	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	09:50	BH	1	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	10:15	BH	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	10:17	MA	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	10:18	BH	4	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	11:14	BH	1	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	11:15	BH	4	Yes	No	-	E		
Clarisford Park PB VP	15/02/2023	RA	11:39	BH	2	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	11:54	H	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	12:12	MA	2	Yes	No	-	W		Flushed

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	15/02/2023	RA	13:03	MA	1	Yes	No	-	NE		
Clarisford Park PB VP	15/02/2023	RA	13:09	BH	1	Yes	No	-	NE		
Clarisford Park PB VP	15/02/2023	RA	13:14	BH	50	Yes	No	-			Landed in water
Clarisford Park PB VP	15/02/2023	RA	13:16	BH	1	Yes	No	-	E		Landed in water
Clarisford Park PB VP	15/02/2023	RA	13:19	KF	1	Yes	No	-	E		
Clarisford Park PB VP	15/02/2023	RA	13:33	MA	2	Yes	No	-			Landed in water
Clarisford Park PB VP	15/02/2023	RA	13:41	BH	1	Yes	No	-	SE		
Ardcloony PB VP	06/03/2023	JS	11:50	TU	23	No	Yes	-	N/A	N/A	Small flock foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	11:50	MS	2	No	Yes	-	N/A	N/A	Pair foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	11:50	MS	2	No	Yes	-	N/A	N/A	Pair foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	11:50	GJ	7	No	Yes	-	N/A	N/A	Small flock foraging in field, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	12:15	CA	1	Yes	No	-	N	Towards Parteen Basin	Flew from Shannon, over weir and landed in water
Ardcloony PB VP	06/03/2023	JS	13:34	MS	2	Yes	No	-	S	Towards Lower Shannon	Left water and flew over weir down canal
Ardcloony PB VP	06/03/2023	JS	13:51	GJ	1	Yes	No	-	S	Towards Lower Shannon	Left water and flew over weir down Shannon
Ardcloony PB VP	06/03/2023	JS	12:57	CA	1	Yes	No	-	S	Towards Lower Shannon	Left water and flew over weir down canal
Ardcloony PB VP	07/03/2023	JS	7:05	TU	35	No	Yes	-	N/A	N/A	Small flock foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	07/03/2023	JS	7:05	MS	4	No	Yes	-	N/A	N/A	Two Pairs foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	07/03/2023	JS	7:05	GJ	27	No	Yes	-	N/A	N/A	flock roosting and foraging on East bank of Parteen, seen on arrival.
Ardcloony PB VP	07/03/2023	JS	7:13	LB	4	Yes	No	-	N	Towards Lough Derg	Loose flock drifted north along West Bank
Ardcloony PB VP	07/03/2023	JS	7:53	GJ	15	Yes	No	-	N	N/A	Left bank and flew over water to farmland
Ardcloony PB VP	07/03/2023	JS	7:53	GJ	12	Yes	No	-	S	Towards Lower Shannon	Left bank and flew over water and weir, down Shannon
Ardcloony PB VP	07/03/2023	JS	8:34	CA	3	Yes	No	-	N	Towards Lough Derg	Flew from Shannon and continued north until oov
Ardcloony PB VP	07/03/2023	JS	8:14	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from Canal and continued north until oov
Ardcloony PB VP	07/03/2023	JS	8:14	BH	7	Yes	No	-	S	Towards Lower Shannon	Loose flock, slowly drifted S circling on way
Ardcloony PB VP	07/03/2023	JS	7:44	BH	7	Yes	No	-	S	Towards Lower Shannon	Loose flock, slowly drifted S over weir down Shannon
Flanagans LD VP	09/03/2023	RA	12:11	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	12:15	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	12:30	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	13:21	BH	1	Yes	No	-	NE	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	13:28	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	13:38	BH	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	14:21	MA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	14:59	BH	6	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	15:34	BH	65	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	15:36	BH	38	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	15:41	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	15:56	H	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:00	CA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	16:01	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	16:29	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:32	CA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:43	CA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:54	CA	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:10	BH	1	Yes	No	-	N	Towards Lough Derg	Flew over Killaloe and continued N
Flanagans LD VP	09/03/2023	RA	17:12	BH	9	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:15	BH	7	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:29	BH	41	Yes	No	-	NW	Towards Lower Shannon	
Flanagans LD VP	09/03/2023	RA	17:31	BH	28	Yes	No	-	NW	Towards Lower Shannon	
Flanagans LD VP	09/03/2023	RA	17:33	BH	3	Yes	No	-	NW	Towards Lower Shannon	
Flanagans LD VP	09/03/2023	RA	17:34	BH	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:36	CA	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	17:36	CA	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:38	BH	23	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	17:50	BH	81	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	18:05	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	18:17	BH	19	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	18:18	CA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	18:22	MA	1	Yes	No	-	SW	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	13:15	PE	1	Yes	No	-	W	N/A	
Two Mile Gate LD VP	13/03/2023	JC	12:10	MS	5	No	Yes	-	N/A	N/A	All adults
Two Mile Gate LD VP	13/03/2023	JC	12:05	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	13:40	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	14:12	MS	2	Yes	No	-	SW	Towards Lough Derg	Short flight, took off from water and landed on water again

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	13/03/2023	JC	14:15	CA	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	16:00	MA	3	Yes	No	-	NW	Towards Lough Derg	Landed near VP and then swam past VP
Two Mile Gate LD VP	13/03/2023	JC	18:10	BH	2	Yes	No	-	S	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	18:22	BH	1	Yes	No	-	N	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	12:08	GG	2	No	Yes	-	N/A	N/A	Pair interacting with each other, on water
Clarisford Park PB VP	14/03/2023	JC	13:25	CA	1	No	Yes	-	N/A	N/A	Diving/hunting
Clarisford Park PB VP	14/03/2023	JC	13:34	CA	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	14:12	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	15:50	BH	1	Yes	No	-	W	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	16:15	CA	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	18:12	BH	1	Yes	No	-	N	Towards Lough Derg	

Corridor Vantage Point Survey Results 2022/2023:

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
RWI	10/10/2022	LB	17:00	CU	1		No	NA	NA	NA	Heard only
RWI	11/10/2022	LB	09:30	BZ	1	GA1	Yes	10	30	N	Local flight over semi-improved grassland
RWI	11/10/2022	LB	10:05	SH	1	GA1	Yes	5	10	S	Local flight along hedge
WTP VP	13/10/2022	JS	7:50	SN	1	GS4	No	NA	NA	NA	Flushed and flew E when walking to VP
WTP VP	13/10/2022	JS	9:33	SN	9	GS4	Yes	40	70	SW	Seen flying high over fields, direct flight heading SW
WTP VP	13/10/2022	JS	10:28	PE	1	GS4, WD4	Yes	30	50	S	Adult PE, flying high, possibly commuting to quarry south of WTP site.
WTP VP	13/10/2022	JS	11:39	BZ	1	GS4	Yes	90	80	N	Flew from west, and began circling/soaring heading N
WTP VP	13/10/2022	JS	12:20	SH	1	GS4	Yes	20	1	S	Male, flew fast and low, dropped suddenly to catch a MP and flew over hedge with its prey.
WTP VP	13/10/2022	JS	12:26	K	1	GS4	Yes	25	30	N	Male, flew into field and began hunting/hovering, then spotted surveyor and flew west then turned N
TPR VP	14/10/2022	JS	9:25	BZ	2	BC3, WL1	Yes	20	2	E	Pair flew low to ground, and both landed on hedge.
TPR VP	14/10/2022	JS	9:36	BZ	1	BC3, WL1	Yes	45	8	S	One of pair of BZ, left hedge and flew S
TPR VP	14/10/2022	JS	9:56	BZ	1	BC3, WL1	Yes	30	10	S	One of pair of BZ, left hedge and flew S
TPR VP	14/10/2022	JS	11:30	BZ	1	BC3	Yes	65	10	S	Slowly drifting S, towards recently ploughed field behind VP
BPS VP	24/10/2022	JS	12:31	K	1	GA1	Yes	15	8	S	Mobbed by several RO and HC
BPS VP	24/10/2022	JS	14:31	L	14	GA1	Yes	15	20	SW	Commuting flight, flew from NE, over VP and continued SW, did not land.
BPS VP	24/10/2022	JS	16:41	HH	1	GA1	Yes	25	10	S	Female, flew from north directly over VP, providing excellent view. Likely commuting to a roost near Slieve blooms, did not stop or use land near BPS
BTP VP	25/10/2022	JC	8:42	BZ	1	Mixed broadleaf woodland	Yes	100	30	W	Flew over canopy and went out of view
BTP VP	25/10/2022	JC	9:55	BZ	1	Mixed broadleaf woodland	Yes	240	30	W	Circling over canopy for several minutes, outside RLB
RWI	07/11/2022	LB	15:00	BZ	1	GA1	Yes	15	10	S	Landed in field to feed on invertebrates
RWI	07/11/2022	LB	15:40	K.	1	GA1	Yes	10	30	SE	Flew along Parteen embankment to plantation
RWI	08/11/2022	LB	11:45	MS	1	GA1	No	NA	NA	NA	Single MS grazing on embankment
WTP VP	08/11/2022	JS	14:01	K	1	GS4	Yes	30	15	E	Male, flew into field and began hunting/hovering, then drifted E, stopping to hover regularly
BPS VP	11/11/2022	JS	9:09	GP	39	GA1	Yes	60	70	S	Flock flying high over fields. Only flew over area, did not interact or land within site.
BPS VP	11/11/2022	JS	12:19	SH	1	GA1	Yes	30	5	NE	Adult female, flew from S and tried to hunt a flock of SG, then dropping behind a hedge o.o.v.
BPS VP	11/11/2022	JS	13:48	SH	1	GA1	Yes	20	5	NE	Adult female, flew from N over fields and oov over treeline
TPR VP	14/11/2022	JS	10:48	GP	15	BC1	Yes	30	100	SW	First heard, then seen high over field, circled once and flew SW
TPR VP	14/11/2022	JS	10:58	GP	15	BC1	Yes	140	100	SW	First heard, then seen high over field, circling area before drifting SW again
TPR VP	14/11/2022	JS	12:00	SH	1	BC1	Yes	10	1	S	Female flew low to ground chasing LN but was unsuccessful and flew towards paramount
TPR VP	14/11/2022	JS	12:05	SH	1	BC1	Yes	20	2	S	Female flew low to ground over fields
RWI	05/12/2022	LB	14:30	L.	48	GA1	Yes	10	20	Circling	Feeding on bank for 1hr, flying up once
RWI	05/12/2022	LB	15:00	ET	1	GA1	No	NA	NA	NA	Present for 10mins then moved oov
RWI	05/12/2022	LB	15:30	CA	1	FL8	Yes	10	10	NE	-
RWI	05/12/2022	LB	15:35	CA	14	WD1	No	NA	NA	NA	Day roost on Parteen island
RWI	05/12/2022	LB	15:45	CU	2	GA1	No	NA	NA	NA	Feeding on bank
RWI	06/12/2022	LB	10:30	ET	1	GA1	Yes	5	10	Circling	Same location as on 05/12/2022
RWI	06/12/2022	LB	12:30	CU	2	GA1	No	NA	NA	NA	Same location as on 05/12/2022
WTP VP	08/12/2022	JS	14:02	CA	1	GS4	Yes	50	100	W	Flew directly over WTP area heading W
WTP VP	08/12/2022	JS	10:39	SN	1	GS4	Yes	30	20	NE	Flew over VP calling heading NE slowly rising until oov
WTP VP	08/12/2022	JS	11:19	BZ	1	GS4	Yes	15	10	E	Flew from E over fields and then turned heading back E
WTP VP	08/12/2022	JS	13:41	SH	1	GS4	Yes	40	1	NE	Male flew low to ground over fields and hedges until oov
TPR VP	09/12/2022	JS	8:30	GP	382	BC1	No	NA	NA	NA	Large flock of GP roosting on frozen winter barley field. Remained at location throughout both dawn and day survey
TPR VP	09/12/2022	JS	8:30	L	3	BC1	No	NA	NA	NA	L. roosting on frozen winter barley field.

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
TPR VP	09/12/2022	JS	12:53	Y	8	BC1	No	NA	NA	NA	Small flock feed on straw bales
TPR VP	09/12/2022	JS	11:07	L	3	BC1	Yes	20	5	S	Flew south over hedges until oov, did not return
TPR VP	09/12/2022	JS	11:24	BZ	1	BC1	Yes	40	10	S	Flew from S calling, circled and flew S again
TPR VP	09/12/2022	JS	13:35	L	17	BC1	Yes	40	5	S	Flew over hedges and field until oov, did not land.
BPS VP	13/12/2022	JS	13:43	L	2	GA1	No	NA	NA	NA	Pair seen feeding in frozen field. Continuously moving around field. Did not see then fly in or where they came from
BPS VP	13/12/2022	JS	13:57	GP	5	GA1	No	NA	NA	NA	Pair seen feeding in frozen field. Continuously moving around field. Did not see then fly in or where they came from. Foraging beside L.
BPS VP	13/12/2022	JS	14:08	BZ	1	GA1	Yes	25	10	E	Flew from S over hedge and drifting E, landing in a tree
BPS VP	13/12/2022	JS	14:12	BZ	1	GA1	Yes	65	5	W	Previously recorded BZ, left tree and flew along north side of WL1, low and very fast past vp continued W, until oov
BPS VP	13/12/2022	JS	16:08	L	2	GA1	Yes	40	10	NE	Pair flew to NE, possibly roosting at bog to NE or at Lough Boora
BPS VP	13/12/2022	JS	16:10	GP	5	GA1	Yes	40	10	NE	Similar to pair of Lapwing, flock flew to NE, possibly roosting at bog to NE or at Lough Boora
RWI	09/01/2023	LB	15:20	BZ	1	GA1	Yes	10	30	Circling	Circled over treeline
RWI	09/01/2023	LB	14:00	WS	13	GA1	No	NA	NA	NA	Foraging in field for 3 hours
RWI	09/01/2023	LB	16:00	CA	1	GA1	Yes	20	100	W	Flew over, landed in Parteen reservoir
RWI	09/01/2023	LB	10:45	BH	14	GA1	No	NA	NA	NA	Foraging along embankment
RWI	09/01/2023	LB	09:45	WS	17	GA1	No	NA	NA	NA	Grazing in field
RWI	09/01/2023	LB	12:35	MA	2	GA1	Yes	5	100	S	Flew in from Parteen to land on bank
WTP VP	12/01/2023	JS	10:10	SN	2	GS4	No	NA	NA	NA	Pair flushed and flew N when walking to VP
WTP VP	12/01/2023	JS	11:39	BZ	1	GS4	Yes	50	20	E	Flew from north over area and drifted E
BPS VP	13/01/2023	JS	9:37	K	1	GA1	Yes	40	7	W	first seen flying low over field, rose and circled area before landed on electricity pole and perched for a number of minutes
BPS VP	13/01/2023	JS	9:47	K	1	GA1	Yes	80	7	W	Left electricity pole and travelled west hunting and briefly landing on electric wires before continuing oov
BPS VP	13/01/2023	JS	13:13	BZ	2	GA1	Yes	20	20	W	Pair drifting slowly W and calling before drifting over road until oov
BPS VP	13/01/2023	JS	13:44	K	1	GA1	Yes	70	5	S	Flew low to ground, occasionally rising to begin hunting. moved along hedge before crossroad and oov
TPR VP	16/01/2023	JS	8:30	GP	147	BC1	No	NA	NA	NA	Large flock of GP roosting on frozen winter barley field. Remained at location throughout both dawn and day survey
TPR VP	16/01/2023	JS	9:22	GP	62	BC1	Yes	50	100	NW	First heard, then seen high over field, circled and flew NW until oov
TPR VP	16/01/2023	JS	12:58	K	1	BC1	Yes	30	5	SW	Flew low over ground and hedges heading SW until oov
TPR VP	16/01/2023	JS	12:20	L	35	BC1	Yes	30	15	E	Seen flying over fields until oov
BPS VP	10/02/2023	JS	11:41	SH	1	GA1	Yes	70	5	N	Flew from E being mobbed by HC, flushed large flock SG feeding in GA1. Landed on Borehole posts before flying North
BPS VP	10/02/2023	JS	11:41	BZ	1	GA1	Yes	50	15	E	Commuting over area heading E
BTP VP	10/02/2023	JC	8:25	LB	1	GA1	Yes	25	14	E	Flew across field and out of view
BTP VP	10/02/2023	JC	10:48	K	1	GA1, WL1	Yes	140	10	E	Hovering/hunting above hedgerow
RWI	13/02/2023	LB	15:15	BH	110	GA1	Yes	10	30	Circling	Foraging on farmland, flew up briefly twice
RWI	14/02/2023	LB	10:50	BH	65	GA1	Yes	15	15	S	-
RWI	14/02/2023	LB	11:25	L.	40	GA1	Yes	5	5	Circling	Flew up from bank and dropped oov, likely to be foraging along Parteen bank out of view from VP
RWI	14/02/2023	LB	11:55	L.	40	GS4	Yes	5	5	Circling	Lapwing circled briefly and settled in rushy field (part of Pollagh wetland)
RWI	14/02/2023	LB	09:45	ET	1	GA1	Yes	20	20	N	-
RWI	14/02/2023	LB	12:35	WS	13	GA1	No	NA	NA	NA	13 foraging on GA1 same as January
WTP VP	16/02/2023	RA	08:39	MA	2	GS4	Yes	150	20	SW	
WTP VP	16/02/2023	RA	13:23	MA	2	GS4	Yes	50	20	SW	
WTP VP	16/02/2023	RA	07:49	BZ	1	GS4	No	NA	NA	NA	
WTP VP	16/02/2023	RA	08:52	SN	1	GS4	Yes	15	2	NW	Flushed by surveyor
WTP VP	16/02/2023	RA	12:21	BZ	1	GS4	Yes	150	35	SE	
TPR VP	17/02/2023	JS	11:15	BZ	1	WL1	No	NA	NA	NA	Seen on arrival, remained perched for a period of time
TPR VP	17/02/2023	JS	11:55	BZ	1	WL1, BC1	Yes	10	4	N	Same bird that was perched on hedge on arrival, left and fly north, dropping oov
TPR VP	17/02/2023	JS	17:21	GP	98	BC1	Yes	270	100	S	Large flock of GP, flew over and did not land in area. possibly roosting on other side of road to South of site
TPR VP	17/02/2023	JS	17:25	GP	5	BC1	Yes	30	100	S	Small flock calling, flew over and did not land in area. possibly roosting on other side of road to South of site
RWI	07/03/2023	LB	11:20	BZ	2	GA1	Yes	300	250	W	Circling over farmland calling
RWI	07/03/2023	LB	09:40	GJ	4	GA1	Yes	5	10	N	Short flight along bank
RWI	07/03/2023	LB	10:50	ET	1	GA1	Yes	5	10	N	Short flight along bank
RWI	07/03/2023	LB	12:05	CA	1	FL8	Yes	10	10	N	-
RWI	08/03/2023	LB	10:00	K.	1		Yes	5	40	Circling	Hunting over farmland (male)
RWI	08/03/2023	LB	11:40	SH	1		Yes	5	5	Circling	Hunting along hedge
RWI	08/03/2023	LB	12:55	BZ	1		No	NA	NA	NA	Heard calling not seen
RWI	08/03/2023	LB	12:05	MS	2		Yes	25	5	N	Pair flew along canal
RWI	08/03/2023	LB	12:40	MA	4		Yes	5	10	N	Flew from drain to Parteen
TPR VP	27/03/2023	KL	15:03	BZ	1	GA1	Yes	30	5	SW	Buzzard flying low over field
TPR VP	27/03/2023	KL	15:07	BZ	1	BC1	Yes	120	100	E	Buzzard flying high over fields north of VP
TPR VP	27/03/2023	KL	5:27	BZ	1	GA1	Yes	30	15	S	Buzzard flying along treeline
BPS VP	29/03/2023	JS	15:13	K	1	GA1	Yes	40	5	NE	Adult female, flew from S over fields and oov over hedge

38kV Vantage Point Survey Results 2022/2023:

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
12/10/2022	O'Briensbridge 38kV VP	JC	7:50	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Two adults
12/10/2022	O'Briensbridge 38kV VP	JC	8:02	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	17	40	
12/10/2022	O'Briensbridge 38kV VP	JC	8:32	KF	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	40	Landed in scrub on canal bank
12/10/2022	O'Briensbridge 38kV VP	JC	9:55	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	45	Flew under bridge
12/10/2022	O'Briensbridge 38kV VP	JC	10:15	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	16	45	Flew over bridge
12/10/2022	O'Briensbridge 38kV VP	JC	12:45	CA	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	45	
12/10/2022	O'Briensbridge 38kV VP	JC	12:10	BH	1	Yes	No	No	No	SE	Towards Lower Shannon	Below	8	20	Short flight from bank then landed on bank again
13/10/2022	Coolisteige 38kV VP	JC	13:56	LB	1	Yes	No	No	No	W	Towards Lower Shannon	Below	8	45	
13/10/2022	Coolisteige 38kV VP	JC	14:06	CA	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	45	
13/10/2022	Coolisteige 38kV VP	JC	13:45	BH	1	Yes	No	No	No	S	Towards Lower Shannon	Above	16	40	
13/10/2022	Coolisteige 38kV VP	JC	16:00	BH	2	Yes	No	No	No	W	Towards Lower Shannon	Above	16	50	
13/10/2022	Coolisteige 38kV VP	JC	17:10	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	18	45	
13/10/2022	Coolisteige 38kV VP	JC	18:10	CA	1	Yes	No	No	No	W	Towards Lower Shannon	Above	1	45	
08/11/2022	Kildoorus 38kV VP	JC	10:15	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2adults on water
08/11/2022	Kildoorus 38kV VP	JC	13:45	RK	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2adults on water
08/11/2022	Kildoorus 38kV VP	JC	12:20	ET	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	10	40	Flew below 38kv line and landed on canal bank
08/11/2022	Kildoorus 38kV VP	JC	14:10	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Below	5	40	Flew below 38kv line and out of view
08/11/2022	Kildoorus 38kV VP	JC	14:10	CA	2	Yes	No	No	No	S	Towards Lower Shannon	Above	18	80	Flew over VP from River Shannon and then flew along canal and out of view
08/11/2022	Kildoorus 38kV VP	JC	15:25	MA	4	Yes	No	No	No	S	Towards Lower Shannon	Above	20	80	Flew south over canal, turned east and flew over River Shannon
09/11/2022	Kildoorus 38kV VP	JC	10:15	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult CA on water
09/11/2022	Kildoorus 38kV VP	JC	13:50	MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult MS on water
09/11/2022	Kildoorus 38kV VP	JC	10:40	MA	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	8	50	
09/11/2022	Kildoorus 38kV VP	JC	11:22	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	6	50	
09/11/2022	Kildoorus 38kV VP	JC	11:22	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Below	10	30	Took off from bank, circled over river and landed on bank again
09/11/2022	Kildoorus 38kV VP	JC	12:05	K	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	15	150	Hovering then dived below canopy and out of view
09/11/2022	Kildoorus 38kV VP	JC	12:35	GJ	8	Yes	No	No	No	NE	Towards Lower Shannon	Above	18	120	Hovering towards bridge and out of view
09/11/2022	Kildoorus 38kV VP	JC	13:02	L	18	Yes	No	No	No	NE	Towards Lower Shannon	Above	18	100	Circled over Treeline and flew E out of view
09/11/2022	Kildoorus 38kV VP	JC	13:09	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	18	100	Flew SW over river and out of view
09/11/2022	Kildoorus 38kV VP	JC	13:50	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	12	30	
09/11/2022	Kildoorus 38kV VP	JC	14:10	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	90	Flow over Treeline towards bridge and out of view
09/11/2022	Kildoorus 38kV VP	JC	14:32	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	15	90	
09/11/2022	Kildoorus 38kV VP	JC	14:54	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	15	90	
09/11/2022	Kildoorus 38kV VP	JC	15:13	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	20	Flew over bridge
09/11/2022	Kildoorus 38kV VP	JC	15:13	BH	20	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	200	Flock of BH flying/circling above residential area
09/11/2022	Kildoorus 38kV VP	JC	15:40	CA	2	Yes	No	No	No	SW	Towards Lower Shannon	Below	2	50	Flew low over water
09/11/2022	Kildoorus 38kV VP	JC	15:40	GJ	34	Yes	No	No	No	S	Towards Lower Shannon	Above	25	100	Large flock flying and calling
09/11/2022	Kildoorus 38kV VP	JC	16:05	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Below	8	20	Flew above bridge then landed near carpark
09/11/2022	Kildoorus 38kV VP	JC	16:05	H	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	5	15	
09/11/2022	Kildoorus 38kV VP	JC	16:22	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	8	15	Flew from riverbank and landed on water
09/11/2022	Kildoorus 38kV VP	JC	16:35	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	8	20	Flew from riverbank and landed back on bank
11/11/2022	Coolisteige 38kV VP	JC	7:50	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults on water
11/11/2022	Coolisteige 38kV VP	JC	08:05	CA	1	Yes	No	No	No	E	Towards Lower Shannon	Below	1	40	Flew along canal, low to water

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
11/11/2022	Coolisteige 38kV VP	JC	09:10	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	14	50	Flew along canal
11/11/2022	Coolisteige 38kV VP	JC	10:32	BH	1	Yes	No	No	No	E	Towards Lower Shannon	Below	8	40	Flew along canal and landed on water
11/11/2022	Coolisteige 38kV VP	JC	10:40	KF	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	20	Flew along canal and landed in scrub on bank
07/12/2022	Coolisteige 38kV VP	JC	9:50	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Two adults
07/12/2022	Coolisteige 38kV VP	JC	10:03	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	35	
08/12/2022	Kildoorus 38kV VP	RA	9:15	BH	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/12/2022	O'Briensbridge 38kV VP	RA		MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Cygnet
08/12/2022	O'Briensbridge 38kV VP	RA		MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/12/2022	O'Briensbridge 38kV VP	RA		MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/12/2022	O'Briensbridge 38kV VP	RA		RK	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Foraging and flushed by walkers
08/12/2022	O'Briensbridge 38kV VP	RA	14:34	BZ	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Flushed by surveyor. Height below lines
08/12/2022	O'Briensbridge 38kV VP	RA	08:47	BZ	1	Yes	No	No	No	E	Towards Lower Shannon	Below	3	3	Perched on sign. Flew towards river
08/12/2022	O'Briensbridge 38kV VP	RA	09:01	BH	1	Yes	No	No	No		Towards Lower Shannon	Above	20	15	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:04	CA	1	Yes	No	No	No		N/A	Above	18	5	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:19	BH	1	Yes	No	No	No	S	Towards Lower Shannon	Below	10	15	Flew down canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:20	BH	3	Yes	No	No	No	N	Towards Lower Shannon	Above	20	15	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:37	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Above	20	15	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	JC		CA	1	Yes	No	No	No	W	N/A	Below	15	25	
08/12/2022	O'Briensbridge 38kV VP	RA	10:00	BH	3	Yes	No	No	No	N	Towards Lower Shannon	Above	20	35	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	10:13	BH	1	Yes	No	No	No	S	Towards Lower Shannon	Above	20	10	Flew up canal
08/12/2022	Kildoorus 38kV VP	RA	11:58	CA	1	Yes	No	No	No	N	Towards Lower Shannon	Above	18	45	Flew over VP towards O'Briensbridge
08/12/2022	O'Briensbridge 38kV VP	RA	13:05	ET	1	Yes	No	No	No	NW	Towards Lower Shannon	Below	0.5	50	Flying low to the water before landing on canal banks
08/12/2022	O'Briensbridge 38kV VP	RA	14:47	TU	4	Yes	No	No	No	W	N/A	Above	20	20	Possibly heading towards McMahons lake
09/12/2022	Kildoorus 38kV VP	RA	08:48	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult CA on water
09/12/2022	Kildoorus 38kV VP	RA	08:48	MA	4	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 pairs
09/12/2022	Kildoorus 38kV VP	RA	08:48	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
09/12/2022	Kildoorus 38kV VP	RA	12:27	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
09/12/2022	Kildoorus 38kV VP	RA	12:29	MS	3	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
09/12/2022	Kildoorus 38kV VP	RA	08:50	CA	2	Yes	No	No	No	S	Towards Lower Shannon	Below	6	5	
09/12/2022	Kildoorus 38kV VP	RA	09:00	BH	7	Yes	No	No	No	SW	Towards Lower Shannon	Above	25	15	
09/12/2022	Kildoorus 38kV VP	RA	09:37	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	25	15	
09/12/2022	Kildoorus 38kV VP	RA	09:42	CO	1	Yes	No	No	No	W	Towards Lower Shannon	Above	1	10	Flushed by dog
09/12/2022	Kildoorus 38kV VP	RA	09:53	CA	2	Yes	No	No	No	W	N/A	Above	18	10	
09/12/2022	Kildoorus 38kV VP	RA	10:21	BH	2	Yes	No	No	No	SW	Towards Lower Shannon	Above	25	18	
09/12/2022	Kildoorus 38kV VP	RA	10:34	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	20	15	
09/12/2022	Kildoorus 38kV VP	RA	11:54	H	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	15	
09/12/2022	Kildoorus 38kV VP	RA	12:42	BH	2	Yes	No	No	No	SW	Towards Lower Shannon	Above	6	45	
09/12/2022	Kildoorus 38kV VP	RA	13:11	BH	1	Yes	No	No	No	NW	Towards Lower Shannon	Above	25	30	
10/01/2023	O'Briensbridge 38kV VP	JC	10:10	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults
10/01/2023	O'Briensbridge 38kV VP	JC	10:55	CA	2	Yes	No	No	No	NE	Towards Parteen Basin	Below	1	40	Flew under bridge
10/01/2023	O'Briensbridge 38kV VP	JC	12:10	BH	1	Yes	No	No	No	SW	Towards Parteen Basin	Above	12	20	Landed on bank
10/01/2023	O'Briensbridge 38kV VP	JC	13:50	BH	1	Yes	No	No	No	SW	Towards Parteen Basin	Above	14	35	

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
10/01/2023	O'Briensbridge 38kV VP	JC	14:16	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	1	35	
10/01/2023	O'Briensbridge 38kV VP	JC	14:34	BH	1	Yes	No	No	No	S	Towards Parteen Basin	Below	9	35	Flew from bank and landed on bank again
12/01/2023	Kildoorus 38kV VP	JC	10:20	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults on water
12/01/2023	Kildoorus 38kV VP	JC	11:50	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
12/01/2023	Kildoorus 38kV VP	JC	12:18	L	40	Yes	No	No	No	SW	Towards Lower Shannon	Above	14	40	Flock flying next to bridge, flew out of view
12/01/2023	Kildoorus 38kV VP	JC	16:32	BH	50	Yes	No	No	No	NE	Towards Lower Shannon	Above	20	45	
12/01/2023	Kildoorus 38kV VP	JC	16:35	BH	22	Yes	No	No	No	NE	Towards Lower Shannon	Above	20	40	
12/01/2023	Kildoorus 38kV VP	JC	14:10	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	12	25	Flew over bridge
12/01/2023	Kildoorus 38kV VP	JC	12:30	H	1	Yes	No	No	No	W	Towards Lower Shannon	Above	15	10	Flew over VP and towards canal
12/01/2023	Kildoorus 38kV VP	JC	12:43	LB	1	Yes	No	No	No	S	Towards Lower Shannon	Above	15	35	Flew down river and out of view
12/01/2023	Kildoorus 38kV VP	JC	15:00	LB	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	18	40	
12/01/2023	Kildoorus 38kV VP	JC	15:14	K	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	30	100	Mobbed by HC
13/01/2023	Coolisteige 38kV VP	JC	11:10	RK	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Both feeding along canal bank
13/01/2023	Coolisteige 38kV VP	JC	11:28	H	1	Yes	No	No	No	NW	Towards Lower Shannon	Below	8	50	Flew upstream and landed on canal bank
14/02/2023	Coolisteige 38kV VP	JC	11:25	RK	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Feeding along edge of canal
14/02/2023	Coolisteige 38kV VP	JC	11:32	LG	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Swimming beneath vegetation at edge of canal
14/02/2023	Coolisteige 38kV VP	JC	14:48	MA	4	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	3 males, 1 female
14/02/2023	Coolisteige 38kV VP	JC	11:24	H	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	45	Flew out of view over trees
14/02/2023	Coolisteige 38kV VP	JC	12:05	LB	2	Yes	No	No	No	E	Towards Lower Shannon	Above	20	60	Flew out of view over trees, heading towards River Shannon
14/02/2023	Coolisteige 38kV VP	JC	12:50	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	1	60	Flew along canal, close to water
14/02/2023	Coolisteige 38kV VP	JC	15:02	RK	1	Yes	No	No	No	E	Towards Lower Shannon	Below	2	20	Flew across canal and landed on bank
14/02/2023	Coolisteige 38kV VP	JC	15:30	H	1	Yes	No	No	No	E	Towards Lower Shannon	Above	14	15	Flew across canal and over trees towards River Shannon
14/02/2023	Coolisteige 38kV VP	JC	15:20	RK	1	Yes	No	No	No	W	Towards Lower Shannon	Below	2	20	Flew across canal and landed on bank
14/02/2023	Coolisteige 38kV VP	JC	16:12	K	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	15	Flew over trees and out of view
16/02/2023	Coolisteige 38kV VP	JC	7:45	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Two adults
16/02/2023	O'Briensbridge 38kV VP	JC	9:50	BH	1	Yes	No	No	No	E	Towards Lower Shannon	Above	14	40	Flew over trees towards River Shannon
16/02/2023	O'Briensbridge 38kV VP	JC	11:55	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	60	Flew from canal bank and went out of view over bridge
17/02/2023	Kildoorus 38kV VP	JC	7:45	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	45	Landed on bank
17/02/2023	Kildoorus 38kV VP	JC	8:10	L	14	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	140	Changed direction several times then flew NE out of view
17/02/2023	Kildoorus 38kV VP	JC	10:10	CA	2	Yes	No	No	No	S	Towards Lower Shannon	Below	1	40	
17/02/2023	Kildoorus 38kV VP	JC	10:25	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Below	8	30	Landed on water
17/02/2023	Kildoorus 38kV VP	JC	11:22	MS	2	Yes	No	No	No	NW	Towards Lower Shannon	Below	1	8	Took off from water and landed back on water, adult pair
17/02/2023	Kildoorus 38kV VP	JC	12:46	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	12	35	Flew over bridge and out of sight
17/02/2023	Kildoorus 38kV VP	JC	13:05	BH	1	Yes	No	No	No	NW	Towards Lower Shannon	Above	12	45	Landed on bank
03/03/2023	O'Briensbridge 38kV VP	JC	15:48	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/03/2023	Kildoorus 38kV VP	JC	12:00	MA	4	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	3 male, 1 female
08/03/2023	Kildoorus 38kV VP	JC	12:00	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults
08/03/2023	Kildoorus 38kV VP	JC	12:00	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/03/2023	Kildoorus 38kV VP	JC	12:05	MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult
08/03/2023	Kildoorus 38kV VP	JC	12:42	CA	2	Yes	No	No	No	NE	Towards Lower Shannon	Below	2	35	Landed on water
08/03/2023	Kildoorus 38kV VP	JC	14:04	GJ	1	Yes	No	No	No	NW	Towards Lower Shannon	Above	18	40	Flew out of sight
08/03/2023	Kildoorus 38kV VP	JC	17:14	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	70	Flew under bridge

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
08/03/2023	Kildoorus 38kV VP	JC	15:39	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	25	Flew over bridge
08/03/2023	Kildoorus 38kV VP	JC	18:15	BH	18	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	110	Flock circling together above park/houses
09/03/2023	O'Briensbridge 38kV VP	JC	12:45	H	1	Yes	No	No	No	N	Towards Parteen Basin	Below	6	20	
09/03/2023	O'Briensbridge 38kV VP	JC	14:42	RK	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	4	5	Seen mid-flight, landed on bank
09/03/2023	O'Briensbridge 38kV VP	JC	18:05	BH	1	Yes	No	No	No	NE	Towards Parteen Basin	Above	11	20	Landed on bank
10/03/2023	Coolisteige 38kV VP	JC	7:22	CA	2	Yes	No	No	No	W	Towards Lower Shannon	Below	1	50	
10/03/2023	Coolisteige 38kV VP	JC	8:05	H	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	10	30	
10/03/2023	Coolisteige 38kV VP	JC	8:42	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	9	20	

Winter Bird Surveys Results – 2023/2024

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Lough Derg and Parteen Basin I-WeBS Results 2023/2024:

October 2022 I-WeBS Lough Derg																				
Lough Derg Subsite	**BH**	**BZ**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GL**	**H.**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**	**WS**	**ZL**
Ballycuggeran Bay	30													4		16					
Ballyheefy	6					2										4					
Bearoge Island			4	3													19				
Bunglasha Bay			7			2								2		3	2				
Castlelough Public Park	1											1				6					
Church Bay				1																	
Claree Lough							70									2					
Clery's Point			1	1																	
Cloondadauv							46														
Cloonoolia Bay A						2							1			14	208				
Derrymaccegan Bay	6		2			1								9	4					1	
Drominagh	7				2				1							4					
Dromineer Bay	23				1									15		10					
Ducey's Harbour				6										34		3					
Friary	12		1											56							
Garrykennedy Harbour	4											4									
Glenbower	1		1	23						1							5				
Gortmore	8	1	13		1				1			1	3			9					
Illanaboe				1		1										1	8				
Kilcooney						2															
Kilgarvan Quay	4		18			1								3	2	8		1			6
Knockaphort																5			1		
Luska	1		5			9										3	1				
Mountshannon																9					
Old Village	5										8		1								
Rossmore Pier							2									6					
Skehanagh	2		1			5		1		1			1			18	32				
Terryglass Harbour	2		6			4		1					7	7		4					
Williamstown						2							3			4					
Youghal Quay	4					3										33					

October 2022 I-WeBS Parteen Basin				
Parteen Basin Subsite	**CA**	**GG**	**MA**	**MS**
Ardcloony	3	3		33
Clarisford	1	2	1	5
O'Briensbridge				5
O'Briensbridge Montpelier				3

November 2022 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CN**	**CO**	**CS**	**CU**	**GG**	**KF**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**
Ballycuggeran Bay	16						2				16		5			
Blackrock point	2															
Bunglasha Bay								1					2	3		
Castlelough Public Park	1												2			
Church Bay				1												

November 2022 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CN**	**CO**	**CS**	**CU**	**GG**	**KF**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**
Clery's Point				1												
Cloonoolia Bay A									1				2	12		
Cloonoolia South														91		
Derrymaccegan Bay	25	2									14		2			
Dromineer Bay	10			4						7	7		2			
Ducey's Harbour				5												
Friary										1	61					
Garrykennedy Harbour	33	2			1		3		2	5	58		2			
Glenbower	2	3		14									3	33	1	
Gortmore	5	3											1	140		
Illanaboe						1										
Kilgarvan Quay		2	1				5					1		2		
Luska		1						1					3	34		
Mountshannon		1											1	25		
Rossmore Pier													2			
Skehanagh													4			1
Terryglass Harbour	4	3					3				7					
Williamstown	21										2					
Youghal Quay	5	1											6	11		

November 2022 I-WeBS Parteen Basin				
Parteen Basin Subsite	**BH**	**CA**	**GG**	**MS**
Ardcloony		1		27
Clarisford	2		1	
O'Briensbridge				6

December 2022 I-WeBS Lough Derg																			
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GL**	**GN**	**H.**	**KF**	**L.**	**LG**	**MA**	**MH**	**MS**	**ND**	**TU**	**WA**	**WS**	**ZL**
Ballycuggeran Bay	52												20		7					
Ballyheefy					1										1					
Blackrock point					1							2			2					
Bunglasha Bay		1													2		7			
Castlelough Public Park		1		1											1					
Church Bay														1	1					
Clery's Point											40		5		2					
Cloondadauv						5													12	
Cloonoolia Bay A															12		14			
Derrymaccegan Bay	36	3			1								14							
Dromineer Bay	17	3	1									3			2		2			
Ducey's Harbour			1										4		1					
Friary	31				1								27	3						
Garrykennedy Harbour	26	2			4					1		2	0		0					
Glenbower	1	3										1			3					
Gortmore	1	10			1								2							
Kilcooney		1																		
Kilgarvan Quay		4			2							1	1	1	3		35			
Knockaphort		1													3					
Luska		4			4			3			28				3		35	1		
Mota		4			3										9		3			4
Mountshannon													4		3	1	32			
Old Village															1					
Rossmore Pier		1										2			1		3			
Ryninch															1					
Skehanagh	4	1							1						4		4			
Terryglass Harbour	1	7			2		1				8		18	1			15			
Williamstown													27							
Youghal Quay		2	22		5				2						23		61			

December 2022 I-WeBS Parteen Basin						
Parteen Basin Subsite	**CA**	**GG**	**H.**	**MS**	**TU**	**WS**
Ardcloony	9	1		34	220	2
Clarisford	1	1		2		18
O'Briensbridge Montpelier			1			

January 2023 I-WeBS Lough Derg																	
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GP**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**T**	**TU**	**WS**
Ballycuggeran Bay	59				1					1		15		4			
Ballyheefy				1	1												
Bearoge Island		11															
Blackrock point		2										3					
Bunglasha Bay											1	4		2			
Castlelough Public Park		1												2			
Church Bay											2			1			
Clery's Point											2						
Cloondadauv														1		3	6
Cloonoolia Bay A																80	
Cloonoolia South	7																
Derry Demense														4			
Derrymaccegan Bay	7	4			4	6					2	8	2			6	11
Dromineer Bay	1																
Ducey's Harbour		3	17								7	28	1	2		4	
Friary		4	1		2							47				26	
Garrykennedy Harbour	26											14		5			
Glenbower		2												3		5	
Gortmore		3												2			
Illanaboe			1								1			2		18	
Kilcooney									75						70		
Kilgarvan Quay					1											12	
Knockaphort		2									1					11	
Luska					1									3			
Mota			3		1									2		52	
Mountshannon		3						1						3			
Old Village						7											
Rossmore Pier																	4
Terryglass Harbour	3	2										9					
Williamstown	12																
Youghal Quay							12							2			

January 2023 I-WeBS Parteen Basin												
Parteen Basin Subsite	**BH**	**CA**	**ET**	**GJ**	**GN**	**L.**	**LB**	**MA**	**MH**	**MS**	**RK**	**TU**
Ardcloony		11	1	35		3	1			12		101
Clarisford	7	2			11			2	1	2		
O'Briensbridge	12								1		1	
O'Briensbridge Montpelier	14	2				53	1	5		2		

February 2023 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CM**	**CO**	**GG**	**GJ**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**T**	**TU**	**WA**	**WS**
Ballycuggeran Bay	8	2			1					8		1				
Bearoge Island		27		2								2		15	1	
Blackrock point					1					2		1				
Bunglasha Bay		1										1				

February 2023 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CM**	**CO**	**GG**	**GJ**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**T**	**TU**	**WA**	**WS**
Castlelough Public Park	2											3				
Church Bay									2							
Clery's Point				1					2	2						
Cloondadauv	16				4	8					2	2		26		120
Cloonoolia Bay A	15															
Derrymaccegan Bay		4		4	5				2	8	2	6		38		
Drominagh					6		19					1				
Dromineer Bay	36	1		4	6							3				
Ducey's Harbour		1	1	3	5					12		2				
Friary				2	4					28		2		17		
Garrykennedy Harbour	155	2								2		6				
Glenbower										2		6				
Gortmore		1		8	1							1				
Illanaboe	8								1			2				
Kilcooney	8															
Kilgarvan Quay		1			2							3		16		
Knockaphort				1	1									20		
Luska	2	5			1							6				
Mota		1		6	6							2		12		
Mountshannon										10		2		3		8
Old Village						74			2			2	2			
Rossmore Pier						2				3	2	4				
Skehanagh	1	2				2						3				
Terryglass Harbour	2	6						1				2				
Williamstown												4				
Youghal Quay												3				

February 2023 I-WeBS Parteen Basin									
Parteen Basin Subsite	**BH**	**CA**	**CO**	**H.**	**MA**	**MH**	**MS**	**TU**	**WE**
Ardcloony	4	4	1		8		10	34	1
Clarisford		2					5		
O'Briensbridge	23				2		2		
O'Briensbridge Montpelier	8	1		1		1	1		

March 2023 I-WeBS Lough Derg															
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**LB**	**LG**	**MA**	**MH**	**MS**	**RM**	**T**	**TU**	**WS**
Ballycuggeran Bay	2								9						
Ballyheefy									4		2				
Bearoge Island		38			1			3							
Blackrock point			2					2							
Bunglasha Bay		3			2						2				
Castlelough Public Park	76										4				
Church Bay			2												
Clery's Point														3	
Cloondadauv	2														
Cloonoolia Bay A	2	1							2		2				
Cloonoolia South									3		2			4	
Derry Demense											2				
Derrymaccegan Bay	1	1	6		2			2	2		1	2		24	
Drominagh	70	1													
Dromineer Bay	33	2			5						7				
Ducey's Harbour		2	10		2			2	25		4			5	
Friary	7		4		2		1		38		3				
Garrykennedy Harbour	3								12		4				
Gortmore		7	1								6				
Illanaboe			2					2							
Kilgarvan Quay		2	1		1						3			5	

March 2023 I-WeBS Lough Derg															
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**LB**	**LG**	**MA**	**MH**	**MS**	**RM**	**T**	**TU**	**WS**
Knockaphort		2	1	1				2			7			33	
Luska	1		2	2	2						3			24	
Mota		7			2					1	5			16	
Mountshannon			3		2			1	2		10			20	
Old Village					2	21									
Rossmore Pier		1			1						5				
Skehanagh	7					11			2		16		4		
Terryglass Harbour	3			1	2				2		3				
Towards Spa Island North											2				
Williamstown								4	4		6				
Youghal Quay	13	1	1								8				28

March 2023 I-WeBS Parteen Basin									
Parteen Basin Subsite	**BH**	**CA**	**GG**	**GJ**	**GN**	**KF**	**MA**	**MS**	**TU**
Ardcloony		4	1	27	2			7	37
Clarisford	38	2	2		2	2	2	2	
O'Briensbridge								2	
O'Briensbridge Montpelier	3						2	1	

Lough Derg Vantage Point Results 2023/2024:

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	11/10/2022	JS	7:50	MS	7	No	Yes	-	N/A	N/A	Family of one adult and 6 of this year's cygnets on water. Remained throughout
Two Mile Gate LD VP	11/10/2022	JS	8:50	GG	1	No	Yes	-	N/A	N/A	Adult feeding and hunting in water
Two Mile Gate LD VP	11/10/2022	JS	8:21	CA	1	Yes	No	-	S	N/A	Left water and flew south low. Then landed in water approx. 100m away
Two Mile Gate LD VP	11/10/2022	JS	8:26	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	11/10/2022	JS	8:29	MA	1	Yes	No	-	S	Towards Parteen Basin	Male. Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	11/10/2022	JS	8:35	BH	1	Yes	No	-	N	Towards Lough Derg	Flew along west shore heading N until oov
Two Mile Gate LD VP	11/10/2022	JS	8:54	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from S heading N
Two Mile Gate LD VP	11/10/2022	JS	8:50	BH	3	Yes	No	-	S	Towards Parteen Basin	Flew along east shore heading S until oov, possibly towards Parteen
Two Mile Gate LD VP	11/10/2022	JS	9:06	CA	1	Yes	No	-	S	N/A	Flew south low over water, then turned landed in water
Two Mile Gate LD VP	11/10/2022	JS	9:08	H	1	Yes	No	-	S	N/A	Flew along west shore then landed on jetty south of VP
Two Mile Gate LD VP	11/10/2022	JS	9:15	MS	7	Yes	No	-	N	Towards Lough Derg	3 adults and 4 juv, left water and flew N until oov
Two Mile Gate LD VP	11/10/2022	JS	9:43	KF	1	Yes	No	-	N	N/A	Flew along west shore past VP
Two Mile Gate LD VP	11/10/2022	JS	10:11	CA	1	Yes	No	-	S	N/A	Left water and flew south low. Then landed again.
Two Mile Gate LD VP	11/10/2022	JS	10:16	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from S heading N
Two Mile Gate LD VP	11/10/2022	JS	12:21	BH	1	Yes	No	-	N	Towards Lough Derg	Flew along west shore heading N until oov
Two Mile Gate LD VP	11/10/2022	JS	12:33	BH	30	Yes	No	-	N	Towards Lough Derg	Flew along east shore heading N before landing on rocks along shore
Flanagans LD VP	11/10/2022	JC	06:50	BH	1	Yes	No	-	W	N/A	
Flanagans LD VP	11/10/2022	JC	06:57	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	07:04	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:12	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:23	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:34	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	07:51	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	08:02	BH	1	Yes	No	-	N	N/A	
Flanagans LD VP	11/10/2022	JC	08:24	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	08:56	BH	1	Yes	No	-	W	N/A	
Flanagans LD VP	11/10/2022	JC	09:19	BH	1	Yes	No	-	E	N/A	
Flanagans LD VP	11/10/2022	JC	09:41	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	10:20	BH	1	Yes	No	-	W	N/A	
Flanagans LD VP	11/10/2022	JC	10:20	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	10:41	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	11:09	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	11/10/2022	JC	11:22	CA	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	11:45	BH	1	Yes	No	-	NW	N/A	
Flanagans LD VP	11/10/2022	JC	11:52	CA	2	Yes	No	-	NW	N/A	
Clarisford Park PB VP	12/10/2022	JS	7:50	MS	1	No	Yes	-	N/A	N/A	Adult near RWI, seen on arrival
Clarisford Park PB VP	12/10/2022	JS	7:50	MA	1	No	Yes	-	N/A	N/A	Adult male near RWI, seen on arrival

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	12/10/2022	JS	13:59	WA	1	No	Yes	-	N/A	N/A	Calling WA from reed bed to west of VP
Clarisford Park PB VP	12/10/2022	JS	11:20	CA	5	No	Yes	-	N/A	N/A	Number of CA roosting on posts near edge of water
Clarisford Park PB VP	12/10/2022	JS	7:58	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along West Bank past VP and appeared to continue towards Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	8:25	BH	8	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	9:10	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew N slowly rising. Appeared to continue to Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	9:20	MS	1	Yes	No	-	S	N/A	Adult. Short flight within basin
Clarisford Park PB VP	12/10/2022	JS	9:30	CA	1	Yes	No	-	N	Towards Lough Derg	Flew along West Bank and over VP. Appeared to continue to Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	9:40	MA	2	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	9:49	MS	1	Yes	No	-	N	Towards Lough Derg	Flew along West Bank and past VP, low over water. Appeared to continue to Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	9:58	MA	4	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and landed behind reeds, appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	10:09	MA	9	Yes	No	-	S	Towards Parteen Basin	Flew along West Bank past VP and landed behind reeds, appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	10:42	CA	1	Yes	No	-	N	N/A	Flight within basin. Left water and flew low, landed in water in front of VP
Clarisford Park PB VP	12/10/2022	JS	10:46	BH	3	Yes	No	-	S	Towards Parteen Basin	Flew along East Bank past VP, appeared to come from Killaloe/LD and continued S
Clarisford Park PB VP	12/10/2022	JS	11:24	BH	2	Yes	No	-	N	Towards Parteen Basin	Flew along West Bank past VP and appeared to come from Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	11:47	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along West Bank past VP and appeared to continue on towards Killaloe/LD
Clarisford Park PB VP	12/10/2022	JS	13:24	WS	6	Yes	No	-	N	N/A	Flew up West Bank calling, before land out of view behind reeds
Clarisford Park PB VP	12/10/2022	JS	13:38	KF	2	Yes	No	-	E	N/A	Pair flew briefly across VP until out of view
Clarisford Park PB VP	12/10/2022	JS	13:54	K	1	Yes	No	-	W	N/A	Adult flew towards lake, then was mobbed by HC and turned W until oov
Ardcloony PB VP	24/10/2022	JC	11:50	MS	15	No	Yes	-	N/A	N/A	15 adult MS on lake when survey began
Ardcloony PB VP	24/10/2022	JC	13:20	MS	9	No	Yes	-	N/A	N/A	8 Ad, 1 Juv
Ardcloony PB VP	24/10/2022	JC	15:20	TU	18	No	Yes	-	N/A	N/A	Flock of tufted duck on water
Ardcloony PB VP	24/10/2022	JC	11:50	L	16	Yes	No	-	W	Towards Parteen Basin	Loafing on lake then flushed by surveyor and landed on small spit of land north of VP
Ardcloony PB VP	24/10/2022	JC	12:20	BH	1	Yes	No	-	SW	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	11:50	ET	1	Yes	No	-	NW	Towards Parteen Basin	Landed on small spot of land
Ardcloony PB VP	24/10/2022	JC	13:05	BH	1	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Ardcloony PB VP	24/10/2022	JC	13:42	BH	1	Yes	No	-	NW	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	14:05	MS	2	Yes	No	-	S	Towards Parteen Basin	Flew from water and landed on water again
Ardcloony PB VP	24/10/2022	JC	14:10	BH	6	Yes	No	-	SW	Towards Lower Shannon	Flew over bridge
Ardcloony PB VP	24/10/2022	JC	14:31	BH	1	Yes	No	-	W	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	24/10/2022	JC	14:38	H	1	Yes	No	-	W	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	15:20	CA	2	Yes	No	-	S	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	15:42	BH	1	Yes	No	-	SW	Towards Lower Shannon	Flew over bridge
Ardcloony PB VP	24/10/2022	JC	16:05	MS	2	Yes	No	-	S	Towards Parteen Basin	Flew from water and landed on water again
Ardcloony PB VP	24/10/2022	JC	16:07	BH	1	Yes	No	-	N	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	24/10/2022	JC	16:34	MS	2	Yes	No	-	W	Towards Parteen Basin	Took off from water and landed on water
Ardcloony PB VP	24/10/2022	JC	16:34	CA	1	Yes	No	-	SW	Towards Parteen Basin	
Ardcloony PB VP	24/10/2022	JC	17:10	BH	1	Yes	No	-	SE	Towards Parteen Basin	Landed on water
Ardcloony PB VP	24/10/2022	JC	17:27	BH	1	Yes	No	-	NW	Towards Parteen Basin	Landed on water
Clarisford Park PB VP	09/11/2022	JS	10:20	LG	2	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Clarisford Park PB VP	09/11/2022	JS	10:20	MS	6	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Clarisford Park PB VP	09/11/2022	JS	10:20	GN	6	No	Yes	-	N/A	N/A	Seen on arrival, slowly drifting to open water
Clarisford Park PB VP	09/11/2022	JS	10:20	CA	1	No	Yes	-	N/A	N/A	Seen on arrival, perched on stump In water
Flanagans LD VP	09/11/2022	JS	13:50	CA	1	No	Yes	-	N/A	N/A	Seen on arrival, perched on navigation marker
Flanagans LD VP	09/11/2022	JS	13:50	BH	6	No	Yes	-	N/A	N/A	Seen on arrival, birds evenly perched on buoys near bridge, remained at location throughout survey
Clarisford Park PB VP	09/11/2022	JS	11:56	GN	5	Yes	No	-	S	Towards Parteen Basin	Flew from Killaloe direction, low to water. Landed and immediately began feeding/diving. Female x4, male x1
Clarisford Park PB VP	09/11/2022	JS	12:40	MA	1	Yes	No	-	S	Towards Parteen Basin	Male, flew from Killaloe direction, low to water. Landed behind reeds.
Flanagans LD VP	09/11/2022	JS	14:06	K	1	Yes	No	-	S	Towards Parteen Basin	Flew along W bank before crossing river to east bank and began hunting , then drifted o.o.v.
Flanagans LD VP	09/11/2022	JS	14:24	MS	4	Yes	No	-	S	Towards Parteen Basin	2 ad and 2 juv, flew over bridge and landed shortly after
Flanagans LD VP	09/11/2022	JS	14:56	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew along river bank and over bridge continuing S
Flanagans LD VP	09/11/2022	JS	14:18	BH	3	Yes	No	-	N	Towards Lough Derg	Flew along river bank and over bridge continuing N
Flanagans LD VP	09/11/2022	JS	15:15	BH	3	Yes	No	-	S	N/A	Flew from S/Parteen Basin, circled and landed on the buoys near bridge
Flanagans LD VP	09/11/2022	JS	15:18	BH	3	Yes	No	-	S	N/A	Flew from S/Parteen Basin, circled and landed on the buoys near bridge
Flanagans LD VP	09/11/2022	JS	15:19	CA	1	Yes	No	-	N	Towards Lough Derg	Flew high over bridge heading N
Flanagans LD VP	09/11/2022	JS	15:18	BH	5	Yes	No	-	N	Towards Lough Derg	Flew along river bank and over bridge continuing N, dip feeding along way
Flanagans LD VP	09/11/2022	JS	16:28	BH	5	Yes	No	-	N	Towards Lough Derg	Flew along river bank and over bridge continuing N, dip feeding along way
Flanagans LD VP	09/11/2022	JS	16:45	BH	3	Yes	No	-	N	Towards Lough Derg	Left buoys by bridge and flew north
Clarisford Park PB VP	10/11/2022	JS	13:50	MS	8	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Two Mile Gate LD VP	10/11/2022	JC	16:28	MS	1	No	Yes	-	N/A	N/A	Adult on water
Flanagans LD VP	10/11/2022	JS	10:43	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S
Flanagans LD VP	10/11/2022	JS	10:49	BH	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S along canal
Flanagans LD VP	10/11/2022	JS	11:49	LB	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S
Flanagans LD VP	10/11/2022	JS	11:20	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight towards Parteen high over water and bridge and continued S
Flanagans LD VP	10/11/2022	JS	12:57	BH	7	Yes	No	-	N	Towards Lough Derg	Small loose flock travelling north, flew over bridge high and dropped low again dip feeding along the way

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	10/11/2022	JS	14:45	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew over Clarisford park high over power lines and landed in water
Clarisford Park PB VP	10/11/2022	JS	14:26	BH	12	Yes	No	-	S	Towards Parteen Basin	Small loose flock travelling slowly s along east bank.
Clarisford Park PB VP	10/11/2022	JS	14:45	MA	1	Yes	No	-	S	Towards Parteen Basin	Flew over Clarisford park high over power lines and landed in water
Clarisford Park PB VP	10/11/2022	JS	15:07	WS	4	Yes	No	-	E	N/A	Flight within basin. 3 ad and 1 juv
Clarisford Park PB VP	10/11/2022	JS	15:27	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew low, heading towards Killaloe direction
Clarisford Park PB VP	10/11/2022	JS	15:37	BH	9	Yes	No	-	N	Towards Lough Derg	Small loose flock travelling slowly N towards Killaloe
Two Mile Gate LD VP	10/11/2022	JC	11:40	H	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	10:23	BH	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	13:50	BH	1	Yes	No	-	S	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	13:58	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	14:20	BH	1	Yes	No	-	S	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	14:55	CA	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	10/11/2022	JC	15:02	BH	1	Yes	No	-	N	Towards Lough Derg	
Ardcloony PB VP	15/11/2022	JC	8:00	MS	38	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	8:00	GG	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	8:52	MA	2	No	Yes	-	N/A	N/A	Male and female
Ardcloony PB VP	15/11/2022	JC	11:30	TU	54	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	12:12	GG	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	12:50	TU	30	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	12:50	PO	3	No	Yes	-	N/A	N/A	Swimming with flock of TU
Ardcloony PB VP	15/11/2022	JC	13:24	WS	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	15/11/2022	JC	10:15	H	1	Yes	No	-	W	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	15/11/2022	JC	9:55	ET	1	Yes	No	-	E	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	15/11/2022	JC	11:1	L	28	Yes	No	-	SE	Towards Parteen Basin	Flock flew over lake, changing directions several times, flew out of sight
Ardcloony PB VP	15/11/2022	JC	8:00	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	15/11/2022	JC	8:52	MS	2	Yes	No	-	S	Towards Parteen Basin	Took off from water and landed on water again
Ardcloony PB VP	15/11/2022	JC	10:10	CA	2	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Ardcloony PB VP	15/11/2022	JC	10:46	BH	1	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	15/11/2022	JC	11:40	BH	1	Yes	No	-	W	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	15/11/2022	JC	12:31	BH	1	Yes	No	-	S	Towards Parteen Basin	Landed on water
Ardcloony PB VP	15/11/2022	JC	13:00	H	1	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	15/11/2022	JC	13:05	BH	1	Yes	No	-	W	Towards Parteen Basin	Flew from bank and landed on bank again
Ardcloony PB VP	15/11/2022	JC	13:48	BH	2	Yes	No	-	N	Towards Parteen Basin	
Flanagans LD VP	06/12/2022	JS	8:30	BH	2	No	Yes	-	N/A	N/A	Seen on arrival, birds evenly perched on buoys near bridge, remained at location throughout survey
Two Mile Gate LD VP	06/12/2022	JC	10:42	GG	1	No	Yes	-	N/A	N/A	
Two Mile Gate LD VP	06/12/2022	JC	8:30	MS	2	No	Yes	-	N/A	N/A	
Flanagans LD VP	06/12/2022	JC	12:00	BH	12	No	Yes	-	N/A	N/A	Resting on buoys
Flanagans LD VP	06/12/2022	JS	8:41	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew along river bank and over bridge continuing S
Flanagans LD VP	06/12/2022	JS	8:54	BH	5	Yes	No	-	N	N/A	Flock flew up from Parteen, circled and landed in buoys near bridge
Flanagans LD VP	06/12/2022	JS	9:07	BH	7	Yes	No	-	S	Towards Parteen Basin	Disturbance caused by stand up paddle boarder and flew S towards Parteen
Flanagans LD VP	06/12/2022	JS	9:11	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew along river bank and over bridge continuing S
Flanagans LD VP	06/12/2022	JS	9:22	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along river bank and over bridge continuing N
Flanagans LD VP	06/12/2022	JS	10:08	CA	1	Yes	No	-	N	Towards Lough Derg	Flew over bridge continuing N
Flanagans LD VP	06/12/2022	JS	10:13	CA	1	Yes	No	-	N	Towards Lough Derg	Flew over Killaloe and continued N
Flanagans LD VP	06/12/2022	JS	10:17	BH	7	Yes	No	-	N	N/A	Flock flew up from Parteen, circled and landed in buoys near bridge
Flanagans LD VP	06/12/2022	JS	10:20	CA	2	Yes	No	-	N	Towards Lough Derg	Flew from Parteen and continued N
Flanagans LD VP	06/12/2022	JS	10:44	LB	2	Yes	No	-	N	Towards Lough Derg	Flew along river bank and over bridge continuing N
Flanagans LD VP	06/12/2022	JS	10:58	CA	1	Yes	No	-	N	Towards Lough Derg	Flew low over water continuing N
Flanagans LD VP	06/12/2022	JS	11:00	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from Parteen and continued N
Flanagans LD VP	06/12/2022	JS	10:56	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew from LD and continued S
Flanagans LD VP	06/12/2022	JS	11:05	KF	1	Yes	No	-	N	Towards Lough Derg	Flew fast along east bank heading north
Two Mile Gate LD VP	06/12/2022	JC	8:32	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	8:56	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	9:05	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	9:42	KF	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	9:53	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JC	10:34	MA	3	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	12:00	BH	1	Yes	No	-	N	Towards Lough Derg	Landed on buoy with 11 other BH
Flanagans LD VP	06/12/2022	JC	12:06	BH	1	Yes	No	-	W	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	12:06	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	12:42	BH	1	Yes	No	-	SE	Towards Lough Derg	Flew over bridge
Flanagans LD VP	06/12/2022	JC	13:05	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	13:30	BH	1	Yes	No	-	E	Towards Lough Derg	Landed on buoy

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	06/12/2022	JC	14:10	BH	1	Yes	No	-	W	Towards Lough Derg	
Flanagans LD VP	06/12/2022	JC	14:47	BH	1	Yes	No	-	SE	Towards Lough Derg	Flew over bridge
Flanagans LD VP	06/12/2022	JC	14:50	BH	2	Yes	No	-	E	Towards Lough Derg	Landed on grassy area near VP
Flanagans LD VP	06/12/2022	JC	13:15	CA	2	Yes	No	-	W	Towards Lough Derg	
Two Mile Gate LD VP	06/12/2022	JS	12:46	CA	1	Yes	No	-	S	Towards Parteen Basin	Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	06/12/2022	JS	13:25	LB	1	Yes	No	-	N	Towards Lough Derg	Flying high over lake and continued N
Two Mile Gate LD VP	06/12/2022	JS	14:00	WS	1	Yes	No	-	N	Towards Lough Derg	Single WS flew N, heard calling.
Two Mile Gate LD VP	06/12/2022	JS	14:23	MA	2	Yes	No	-	S	Towards Parteen Basin	Male and female. Direct flight south, low over water. Likely commuting to Parteen
Two Mile Gate LD VP	06/12/2022	JS	14:35	GG	1	Yes	No	-	S	Towards Parteen Basin	Flew low and fast , heading towards Killaloe until oov
Clarisford Park PB VP	07/12/2022	JS	8:30	WS	18	No	Yes	-	N/A	N/A	Flock roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	GN	8	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	TU	52	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	LG	5	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:30	MS	9	No	Yes	-	N/A	N/A	Roosting and feeding in this area on arrival
Clarisford Park PB VP	07/12/2022	JS	8:57	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough derv
Clarisford Park PB VP	07/12/2022	JS	8:57	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough derv
Clarisford Park PB VP	07/12/2022	JS	10:08	K	1	Yes	No	-	E	N/A	Flew from W to E over water
Clarisford Park PB VP	07/12/2022	JS	10:26	CA	1	Yes	No	-	N	Towards Lough Derg	Flying towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	11:14	CA	1	Yes	No	-	N	Towards Lough Derg	Flying towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	10:54	ET	1	Yes	No	-	E	N/A	Flew from W to E over water
Clarisford Park PB VP	07/12/2022	JS	12:50	MS	1	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	13:50	CA	1	Yes	No	-	S	Towards Parteen Basin	flew from Killaloe, landing in water
Clarisford Park PB VP	07/12/2022	JS	13:58	MA	2	Yes	No	-	N	Towards Lough Derg	Left water and flew towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	14:08	ET	1	Yes	No	-	N	N/A	Flight within basin, flew along west shore and landed
Clarisford Park PB VP	07/12/2022	JS	14:08	ET	1	Yes	No	-	N	Towards Lough Derg	Left west shore and flew towards Killaloe, possibly commuting to Lough Derg
Clarisford Park PB VP	07/12/2022	JS	14:49	MS	1	Yes	No	-	S	Towards Parteen Basin	Flew from Killaloe into Parteen basin and landed in water
Ardcloony PB VP	13/12/2022	JC	10:15	TU	230	No	Yes	-	N/A	N/A	
Ardcloony PB VP	13/12/2022	JC	10:15	WS	18	No	Yes	-	N/A	N/A	
Ardcloony PB VP	13/12/2022	JC	10:15	CA	16	No	Yes	-	N/A	N/A	Resting on tree on small island
Ardcloony PB VP	13/12/2022	JC	10:20	H	1	Yes	No	-	W	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	10:15	CA	1	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Ardcloony PB VP	13/12/2022	JC	10:26	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	11:03	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	12:20	L	8	Yes	No	-	NW	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	13:55	CA	2	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	13/12/2022	JC	14:22	BH	1	Yes	No	-	NE	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	13/12/2022	JC	14:22	BH	1	Yes	No	-	N	Towards Parteen Basin	Dipped and drank water then continued flying N
Ardcloony PB VP	13/12/2022	JC	16:32	BH	1	Yes	No	-	W	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	13/12/2022	JC	16:38	H	1	Yes	No	-	SW	Towards Parteen Basin	Landed on small spit of land
Flanagans LD VP	10/01/2023	JS	10:10	BH	3	No	Yes	-	N/A	N/A	Seen on arrival, foraging on lawn area
Flanagans LD VP	10/01/2023	JS	13:40	BH	7	No	Yes	-	N/A	N/A	Resting on buoys
Flanagans LD VP	10/01/2023	JS	11:32	BH	2	Yes	No	-	S	Towards Parteen Basin	Pair slow drifting and quartering over water heading downstream, over bridge until oov
Flanagans LD VP	10/01/2023	JS	12:34	BH	1	Yes	No	-	S	N/A	Flew from LD low over water and landed on buoys upstream of bridge
Flanagans LD VP	10/01/2023	JS	12:34	BH	5	Yes	No	-	S	N/A	Flew from LD low over water and landed on buoys upstream of bridge
Flanagans LD VP	10/01/2023	JS	15:34	MA	2	Yes	No	-	S	Towards Parteen Basin	Pair heading downstream, over bridge until oov
Flanagans LD VP	10/01/2023	JS	14:13	BH	7	Yes	No	-	N	Towards Lough Derg	Flock flew from Parteen Basin heading towards Lough Derg
Flanagans LD VP	10/01/2023	JS	16:03	BH	4	Yes	No	-	N	Towards Lough Derg	Flock flew from Parteen Basin heading towards Lough Derg
Flanagans LD VP	10/01/2023	JS	16:07	BH	18	Yes	No	-	S	Towards Parteen Basin	Flock flew from Lough Derg, slowly meandering downstream towards Parteen Basin
Clarisford Park PB VP	11/01/2023	JC	13:45	GN	6	No	Yes	-	N/A	N/A	3 male and 3 female, on site for duration of survey
Clarisford Park PB VP	11/01/2023	JC	13:45	MS	2	No	Yes	-	N/A	N/A	2 adults
Clarisford Park PB VP	11/01/2023	JC	14:24	GG	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	11/01/2023	JS	10:10	MS	2	No	Yes	-	N/A	N/A	Seen on arrival, feeding near lake shore
Clarisford Park PB VP	11/01/2023	JS	10:10	GN	6	No	Yes	-	N/A	N/A	feeding in this area on arrival
Two Mile Gate LD VP	11/01/2023	JC	12:14	MH	1	No	Yes	-	N/A	N/A	Adult swimming past VP
Two Mile Gate LD VP	11/01/2023	JC	10:15	BH	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	11/01/2023	JC	10:42	BH	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	11/01/2023	JC	11:50	BH	3	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	11/01/2023	JC	12:16	BH	2	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	11/01/2023	JC	14:05	BH	1	Yes	No	-	NE	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	16:32	CA	1	Yes	No	-	SW	Towards Parteen Basin	Landed on water
Clarisford Park PB VP	11/01/2023	JC	14:03	BH	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	14:52	BH	1	Yes	No	-	N	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	15:10	BH	3	Yes	No	-	N	Towards Parteen Basin	

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	11/01/2023	JC	15:45	BH	1	Yes	No	-	N	Towards Parteen Basin	
Clarisford Park PB VP	11/01/2023	JC	16:12	GN	2	Yes	No	-	SW	Towards Parteen Basin	2 adult males, landed on water
Clarisford Park PB VP	11/01/2023	JC	16:42	BH	3	Yes	No	-	W	Towards Parteen Basin	
Two Mile Gate LD VP	11/01/2023	JS	13:48	CA	1	Yes	No	-	S	Towards Parteen Basin	Low over water heading towards Killaloe
Two Mile Gate LD VP	11/01/2023	JS	14:11	BH	23	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe, loose flock slowly drifting N some birds dip feeding along the way
Two Mile Gate LD VP	11/01/2023	JS	16:30	BH	17	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe, loose flock slowly drifting N
Clarisford Park PB VP	11/01/2023	JS	11:10	BH	14	Yes	No	-	N	Towards Lough Derg	Loose flock travelling slowly N along east bank.
Clarisford Park PB VP	11/01/2023	JS	11:16	PE	1	Yes	No	-	E	N/A	Flew from west over Parteen and landed in trees on east bank, remained here from number of minutes
Clarisford Park PB VP	11/01/2023	JS	11:20	PE	1	Yes	No	-	E	N/A	Peregrine left trees and flew E until oov
Clarisford Park PB VP	11/01/2023	JS	11:42	MS	2	Yes	No	-	N	Towards Lough Derg	Left water and flew north towards Killaloe
Two Mile Gate LD VP	12/01/2023	JS	15:50	BH	7	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe, loose flock slowly drifting N some birds dip feeding along the way
Ardcloony PB VP	17/01/2023	JC	8:35	MS	18	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	8:35	WS	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	9:02	CA	7	No	Yes	-	N/A	N/A	Perched in tree on small islet
Ardcloony PB VP	17/01/2023	JC	8:35	TU	38	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	8:50	GG	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	17/01/2023	JC	8:55	BH	1	Yes	No	-	NW	Towards Parteen Basin	Landed on bank
Ardcloony PB VP	17/01/2023	JC	8:40	BH	1	Yes	No	-	N	Towards Parteen Basin	
Ardcloony PB VP	17/01/2023	JC	8:52	CA	2	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	17/01/2023	JC	9:05	BH	1	Yes	No	-	NE	Towards Parteen Basin	Landed on water
Ardcloony PB VP	17/01/2023	JC	11:03	MS	2	Yes	No	-	S	Towards Parteen Basin	Took off from water and Landed on water
Ardcloony PB VP	17/01/2023	JC	11:34	BH	2	Yes	No	-	NE	Towards Parteen Basin	
Ardcloony PB VP	17/01/2023	JC	12:20	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew under bridge
Ardcloony PB VP	17/01/2023	JC	12:20	BH	2	Yes	No	-	NW	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	17/01/2023	JC	13:45	MS	1	Yes	No	-	NE	Towards Parteen Basin	Took off from water and landed back on water
Ardcloony PB VP	09/02/2023	JC	10:40	TU	22	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	10:30	MS	3	No	Yes	-	N/A	N/A	2 adults and 1 juvenile
Ardcloony PB VP	09/02/2023	JC	10:30	MS	7	No	Yes	-	N/A	N/A	All adults
Ardcloony PB VP	09/02/2023	JC	10:35	GG	2	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	10:35	CA	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	10:35	GG	2	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	10:35	CA	4	No	Yes	-	N/A	N/A	
Ardcloony PB VP	09/02/2023	JC	16:04	H	1	Yes	No	-	NW	Towards Parteen Basin	Landed on small spit of land
Ardcloony PB VP	09/02/2023	JC	16:20	L	38	Yes	No	-	NW	Towards Parteen Basin	flock changed direction many times before flying out of site
Ardcloony PB VP	09/02/2023	JC	14:45	CA	1	Yes	No	-	N	Towards Parteen Basin	Landed on tree on small islet
Flanagans LD VP	14/02/2023	RA	09:24	BH	15	No	Yes	-	N/A	N/A	Adult BH perched on buoys along bridge. Several BH came and went through the duration of the survey
Flanagans LD VP	14/02/2023	RA	09:25	BH	7	No	Yes	-	N/A	N/A	Adult BH landed on water
Flanagans LD VP	14/02/2023	RA	09:47	MS	2	No	Yes	-	N/A	N/A	Swimming up the river
Flanagans LD VP	14/02/2023	RA	11:15	BH	15	No	Yes	-	N/A	N/A	Adult BH perched on buoys along bridge. Several BH came and went through the duration of the survey
Flanagans LD VP	14/02/2023	RA	12:27	BH	7	No	Yes	-	N/A	N/A	Loafing
Flanagans LD VP	14/02/2023	RA	07:41	BH	32	Yes	No	-	S		
Flanagans LD VP	14/02/2023	RA	07:45	CA	1	Yes	No	-	N		
Flanagans LD VP	14/02/2023	RA	07:48	MA	6	Yes	No	-	S		
Flanagans LD VP	14/02/2023	RA	07:49	MA	1	Yes	No	-	S		
Flanagans LD VP	14/02/2023	RA	07:50	MA	10	Yes	No	-	N		
Flanagans LD VP	14/02/2023	Ra	07:53	BH	26	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	07:57	BH	8	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	08:03	BH	13	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	08:13	BH	7	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	08:20	BH	15	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	08:20	BH	7	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	08:29	BH	4	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	08:30	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	08:37	BH	38	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	08:43	MA	3	Yes	No	-			Flew NE before turning and landing in the water
Flanagans LD VP	14/02/2023	Ra	08:46	BH	7	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	RA	08:50	MA	3	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	RA	09:01	K	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	09:03	BH	1	Yes	No	-	N		
Flanagans LD VP	14/02/2023	RA	09:10	BH	5	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	RA	09:12	CA	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	09:45	BH	2	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	09:57	BH	4	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	10:11	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	10:19	BH	3	Yes	No	-	NW		

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	14/02/2023	Ra	11:17	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:23	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:25	CA	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	11:30	BH	6	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:47	BH	6	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	11:54	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	12:33	BH	3	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	12:57	BH	3	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	13:02	BH	9	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	13:02	BH	2	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	13:10	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	13:20	BH	1	Yes	No	-	NW		
Flanagans LD VP	14/02/2023	Ra	13:32	BH	1	Yes	No	-	SE		
Flanagans LD VP	14/02/2023	Ra	13:32	BH	6	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	08:02	WS	12	No	Yes	-	N/A	N/A	4 juvenile
Clarisford Park PB VP	15/02/2023	RA	09:47	TU	8	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:19	MS	2	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	08:52	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	08:53	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	09:23	WS	4	No	Yes	-	N/A	N/A	2 juvenile
Clarisford Park PB VP	15/02/2023	RA	09:37	CA	1	No	Yes	-	N/A	N/A	Diving
Clarisford Park PB VP	15/02/2023	RA	09:47	TU	7	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:12	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:19	MS	2	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	15/02/2023	RA	11:31	MS	1	No	Yes	-	N/A	N/A	Adult
Clarisford Park PB VP	15/02/2023	RA	11:31	MA	1	No	Yes	-	N/A	N/A	Adult
Two Mile Gate LD VP	15/02/2023	JC	8:00	MA	4	No	Yes	-	N/A	N/A	2 makes, 2 females, resting on wooden pier
Two Mile Gate LD VP	15/02/2023	JC	7:50	MS	2	No	Yes	-	N/A	N/A	
Two Mile Gate LD VP	15/02/2023	JC	7:50	BH	49	No	Yes	-	N/A	N/A	Resting on bank/vegetation
Clarisford Park PB VP	15/02/2023	JC	8:14	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	8:55	BH	1	Yes	No	-	SW	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	9:21	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	10:31	CA	1	Yes	No	-	S	Towards Lough Derg	
Clarisford Park PB VP	15/02/2023	JC	13:10	MS	2	Yes	No	-	NE	Towards Lough Derg	Took off from water and landed back on water
Clarisford Park PB VP	15/02/2023	RA	07:50	BH	3	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	07:51	BH	2	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	07:42	BH	2	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	08:06	GJ	2	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	08:19	MA	3	Yes	No	-	E		Landed in water
Flanagans LD VP	15/02/2023	RA	08:41	LG	1	Yes	No	-			Landed in water
Clarisford Park PB VP	15/02/2023	RA	08:44	MA	2	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	08:54	BH	4	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	08:57	BH	3	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	08:57	CA	1	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	09:08	BH	11	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	09:08	BH	11	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	09:15	BH	1	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	09:15	MA	3	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	09:18	BH	1	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	09:20	MA	3	Yes	No	-	S		Flushed by boat
Clarisford Park PB VP	15/02/2023	RA	09:21	TU	6	Yes	No	-	SE		Flushed by boat
Clarisford Park PB VP	15/02/2023	RA	09:28	BH	9	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	09:30	BH	1	Yes	No	-	SE		
Clarisford Park PB VP	15/02/2023	RA	09:35	MA	4	Yes	No	-	NE		
Clarisford Park PB VP	15/02/2023	RA	09:45	CA	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	09:50	BH	1	Yes	No	-	N		
Clarisford Park PB VP	15/02/2023	RA	10:15	BH	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	10:17	MA	1	Yes	No	-	SW		
Clarisford Park PB VP	15/02/2023	RA	10:18	BH	4	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	11:14	BH	1	Yes	No	-	W		
Clarisford Park PB VP	15/02/2023	RA	11:15	BH	4	Yes	No	-	E		
Clarisford Park PB VP	15/02/2023	RA	11:39	BH	2	Yes	No	-	S		
Clarisford Park PB VP	15/02/2023	RA	11:54	H	1	Yes	No	-	SW		

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	15/02/2023	RA	12:12	MA	2	Yes	No	-	W		Flushed
Clarisford Park PB VP	15/02/2023	RA	13:03	MA	1	Yes	No	-	NE		
Clarisford Park PB VP	15/02/2023	RA	13:09	BH	1	Yes	No	-	NE		
Clarisford Park PB VP	15/02/2023	RA	13:14	BH	50	Yes	No	-			Landed in water
Clarisford Park PB VP	15/02/2023	RA	13:16	BH	1	Yes	No	-	E		Landed in water
Clarisford Park PB VP	15/02/2023	RA	13:19	KF	1	Yes	No	-	E		
Clarisford Park PB VP	15/02/2023	RA	13:33	MA	2	Yes	No	-			Landed in water
Clarisford Park PB VP	15/02/2023	RA	13:41	BH	1	Yes	No	-	SE		
Ardcloony PB VP	06/03/2023	JS	11:50	TU	23	No	Yes	-	N/A	N/A	Small flock foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	11:50	MS	2	No	Yes	-	N/A	N/A	Pair foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	11:50	MS	2	No	Yes	-	N/A	N/A	Pair foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	11:50	GJ	7	No	Yes	-	N/A	N/A	Small flock foraging in field, seen on arrival and remained throughout
Ardcloony PB VP	06/03/2023	JS	12:15	CA	1	Yes	No	-	N	Towards Parteen Basin	Flew from Shannon, over weir and landed in water
Ardcloony PB VP	06/03/2023	JS	13:34	MS	2	Yes	No	-	S	Towards Lower Shannon	Left water and flew over weir down canal
Ardcloony PB VP	06/03/2023	JS	13:51	GJ	1	Yes	No	-	S	Towards Lower Shannon	Left water and flew over weir down Shannon
Ardcloony PB VP	06/03/2023	JS	12:57	CA	1	Yes	No	-	S	Towards Lower Shannon	Left water and flew over weir down canal
Ardcloony PB VP	07/03/2023	JS	7:05	TU	35	No	Yes	-	N/A	N/A	Small flock foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	07/03/2023	JS	7:05	MS	4	No	Yes	-	N/A	N/A	Two Pairs foraging on water, seen on arrival and remained throughout
Ardcloony PB VP	07/03/2023	JS	7:05	GJ	27	No	Yes	-	N/A	N/A	flock roosting and foraging on East bank of Parteen, seen on arrival.
Ardcloony PB VP	07/03/2023	JS	7:13	LB	4	Yes	No	-	N	Towards Lough Derg	Loose flock drifted north along West Bank
Ardcloony PB VP	07/03/2023	JS	7:53	GJ	15	Yes	No	-	N	N/A	Left bank and flew over water to farm land
Ardcloony PB VP	07/03/2023	JS	7:53	GJ	12	Yes	No	-	S	Towards Lower Shannon	Left bank and flew over water and weir, down Shannon
Ardcloony PB VP	07/03/2023	JS	8:34	CA	3	Yes	No	-	N	Towards Lough Derg	Flew from Shannon and continued north until oov
Ardcloony PB VP	07/03/2023	JS	8:14	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from Canal and continued north until oov
Ardcloony PB VP	07/03/2023	JS	8:14	BH	7	Yes	No	-	S	Towards Lower Shannon	Loose flock, slowly drifted S circling on way
Ardcloony PB VP	07/03/2023	JS	7:44	BH	7	Yes	No	-	S	Towards Lower Shannon	Loose flock, slowly drifted S over weir down Shannon
Flanagans LD VP	09/03/2023	RA	12:11	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	12:15	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	12:30	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	13:21	BH	1	Yes	No	-	NE	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	13:28	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	13:38	BH	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	14:21	MA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	14:59	BH	6	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	15:34	BH	65	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	15:36	BH	38	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	15:41	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	15:56	H	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:00	CA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	16:01	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	16:29	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:32	CA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:43	CA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	16:54	CA	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:10	BH	1	Yes	No	-	N	Towards Lough Derg	Flew over Killaloe and continued N
Flanagans LD VP	09/03/2023	RA	17:12	BH	9	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:15	BH	7	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:29	BH	41	Yes	No	-	NW	Towards Lower Shannon	
Flanagans LD VP	09/03/2023	RA	17:31	BH	28	Yes	No	-	NW	Towards Lower Shannon	
Flanagans LD VP	09/03/2023	RA	17:33	BH	3	Yes	No	-	NW	Towards Lower Shannon	
Flanagans LD VP	09/03/2023	RA	17:34	BH	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:36	CA	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	17:36	CA	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	17:38	BH	23	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	17:50	BH	81	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	18:05	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	18:17	BH	19	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	09/03/2023	RA	18:18	CA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	18:22	MA	1	Yes	No	-	SW	Towards Parteen Basin	
Flanagans LD VP	09/03/2023	RA	13:15	PE	1	Yes	No	-	W	N/A	
Two Mile Gate LD VP	13/03/2023	JC	12:10	MS	5	No	Yes	-	N/A	N/A	All adults
Two Mile Gate LD VP	13/03/2023	JC	12:05	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	13:40	BH	1	Yes	No	-	N	Towards Lough Derg	

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	13/03/2023	JC	14:12	MS	2	Yes	No	-	SW	Towards Lough Derg	Short flight, took off from water and landed on water again
Two Mile Gate LD VP	13/03/2023	JC	14:15	CA	1	Yes	No	-	NE	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	16:00	MA	3	Yes	No	-	NW	Towards Lough Derg	Landed near VP and then swam past VP
Two Mile Gate LD VP	13/03/2023	JC	18:10	BH	2	Yes	No	-	S	Towards Lough Derg	
Two Mile Gate LD VP	13/03/2023	JC	18:22	BH	1	Yes	No	-	N	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	12:08	GG	2	No	Yes	-	N/A	N/A	Pair interacting with each other, on water
Clarisford Park PB VP	14/03/2023	JC	13:25	CA	1	No	Yes	-	N/A	N/A	Diving/hunting
Clarisford Park PB VP	14/03/2023	JC	13:34	CA	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	14:12	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	15:50	BH	1	Yes	No	-	W	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	16:15	CA	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	14/03/2023	JC	18:12	BH	1	Yes	No	-	N	Towards Lough Derg	

Corridor Vantage Point Survey Results 2023/2024:

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
RWI	10/10/2022	LB	17:00	CU	1		No	NA	NA	NA	Heard only
RWI	11/10/2022	LB	09:30	BZ	1	GA1	Yes	10	30	N	Local flight over semi-improved grassland
RWI	11/10/2022	LB	10:05	SH	1	GA1	Yes	5	10	S	Local flight along hedge
WTP VP	13/10/2022	JS	7:50	SN	1	GS4	No	NA	NA	NA	Flushed and flew E when walking to VP
WTP VP	13/10/2022	JS	9:33	SN	9	GS4	Yes	40	70	SW	Seen flying high over fields, direct flight heading SW
WTP VP	13/10/2022	JS	10:28	PE	1	GS4, WD4	Yes	30	50	S	Adult PE, flying high, possibly commuting to quarry south of WTP site.
WTP VP	13/10/2022	JS	11:39	BZ	1	GS4	Yes	90	80	N	Flew from west, and began circling/soaring heading N
WTP VP	13/10/2022	JS	12:20	SH	1	GS4	Yes	20	1	S	Male, flew fast and low, dropped suddenly to catch a MP and flew over hedge with its prey.
WTP VP	13/10/2022	JS	12:26	K	1	GS4	Yes	25	30	N	Male, flew into field and began hunting/hovering, then spotted surveyor and flew west then turned N
TPR VP	14/10/2022	JS	9:25	BZ	2	BC3, WL1	Yes	20	2	E	Pair flew low to ground and both landed on hedge.
TPR VP	14/10/2022	JS	9:36	BZ	1	BC3, WL1	Yes	45	8	S	One of pair of BZ, left hedge and flew S
TPR VP	14/10/2022	JS	9:56	BZ	1	BC3, WL1	Yes	30	10	S	One of pair of BZ, left hedge and flew S
TPR VP	14/10/2022	JS	11:30	BZ	1	BC3	Yes	65	10	S	Slowly drifting S, towards recently ploughed field behind VP
BPS VP	24/10/2022	JS	12:31	K	1	GA1	Yes	15	8	S	Mobbed by several RO and HC
BPS VP	24/10/2022	JS	14:31	L	14	GA1	Yes	15	20	SW	Commuting flight, flew from NE, over VP and continued SW, did not land.
BPS VP	24/10/2022	JS	16:41	HH	1	GA1	Yes	25	10	S	Female, flew from north directly over VP, providing excellent view. Likely commuting to a roost near Slieve blooms, did not stop or use land near BPS
BTP VP	25/10/2022	JC	8:42	BZ	1	Mixed broadleaf woodland	Yes	100	30	W	Flew over canopy and went out of view
BTP VP	25/10/2022	JC	9:55	BZ	1	Mixed broadleaf woodland	Yes	240	30	W	Circling over canopy for several minutes, outside RLB
RWI	07/11/2022	LB	15:00	BZ	1	GA1	Yes	15	10	S	Landed in field to feed on invertebrates
RWI	07/11/2022	LB	15:40	K.	1	GA1	Yes	10	30	SE	Flew along Parteen embankment to plantation
RWI	08/11/2022	LB	11:45	MS	1	GA1	No	NA	NA	NA	Single MS grazing on embankment
WTP VP	08/11/2022	JS	14:01	K	1	GS4	Yes	30	15	E	Male, flew into field and began hunting/hovering, then drifted E, stopping to hover regularly
BPS VP	11/11/2022	JS	9:09	GP	39	GA1	Yes	60	70	S	Flock flying high over fields. Only flew over area, did not interact or land within site.
BPS VP	11/11/2022	JS	12:19	SH	1	GA1	Yes	30	5	NE	Adult female, flew from S and tried to hunt a flock of SG, then dropping behind a hedge o.o.v.
BPS VP	11/11/2022	JS	13:48	SH	1	GA1	Yes	20	5	NE	Adult female, flew from N over fields and oov over treeline
TPR VP	14/11/2022	JS	10:48	GP	15	BC1	Yes	30	100	SW	First heard, then seen high over field, circled once and flew SW
TPR VP	14/11/2022	JS	10:58	GP	15	BC1	Yes	140	100	SW	First heard, then seen high over field, circling area before drifting SW again
TPR VP	14/11/2022	JS	12:00	SH	1	BC1	Yes	10	1	S	Female flew low to ground chasing LN but was unsuccessful and flew towards paramount
TPR VP	14/11/2022	JS	12:05	SH	1	BC1	Yes	20	2	S	Female flew low to ground over fields
RWI	05/12/2022	LB	14:30	L.	48	GA1	Yes	10	20	Circling	Feeding on bank for 1hr, flying up once
RWI	05/12/2022	LB	15:00	ET	1	GA1	No	NA	NA	NA	Present for 10mins then moved oov
RWI	05/12/2022	LB	15:30	CA	1	FL8	Yes	10	10	NE	-
RWI	05/12/2022	LB	15:35	CA	14	WD1	No	NA	NA	NA	Day roost on Parteen island
RWI	05/12/2022	LB	15:45	CU	2	GA1	No	NA	NA	NA	Feeding on bank
RWI	06/12/2022	LB	10:30	ET	1	GA1	Yes	5	10	Circling	Same location as on 05/12/2022
RWI	06/12/2022	LB	12:30	CU	2	GA1	No	NA	NA	NA	Same location as on 05/12/2022
WTP VP	08/12/2022	JS	14:02	CA	1	GS4	Yes	50	100	W	Flew directly over WTP area heading W
WTP VP	08/12/2022	JS	10:39	SN	1	GS4	Yes	30	20	NE	Flew over VP calling heading NE slowly rising until oov
WTP VP	08/12/2022	JS	11:19	BZ	1	GS4	Yes	15	10	E	Flew from E over fields and then turned heading back E
WTP VP	08/12/2022	JS	13:41	SH	1	GS4	Yes	40	1	NE	Male flew low to ground over fields and hedges until oov
TPR VP	09/12/2022	JS	8:30	GP	382	BC1	No	NA	NA	NA	Large flock of GP roosting on frozen winter barley field. Remained at location throughout both dawn and day survey
TPR VP	09/12/2022	JS	8:30	L	3	BC1	No	NA	NA	NA	L. roosting on frozen winter barley field.

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
TPR VP	09/12/2022	JS	12:53	Y	8	BC1	No	NA	NA	NA	Small flock feed on straw bales
TPR VP	09/12/2022	JS	11:07	L	3	BC1	Yes	20	5	S	Flew south over hedges until oov, did not return
TPR VP	09/12/2022	JS	11:24	BZ	1	BC1	Yes	40	10	S	Flew from S calling, circled and flew S again
TPR VP	09/12/2022	JS	13:35	L	17	BC1	Yes	40	5	S	Flew over hedges and field until oov, did not land.
BPS VP	13/12/2022	JS	13:43	L	2	GA1	No	NA	NA	NA	Pair seen feeding in frozen field. Continuously moving around field. Did not see then fly in or where they came from
BPS VP	13/12/2022	JS	13:57	GP	5	GA1	No	NA	NA	NA	Pair seen feeding in frozen field. Continuously moving around field. Did not see then fly in or where they came from. Foraging beside L.
BPS VP	13/12/2022	JS	14:08	BZ	1	GA1	Yes	25	10	E	Flew from S over hedge and drifting E, landing in a tree
BPS VP	13/12/2022	JS	14:12	BZ	1	GA1	Yes	65	5	W	Previously recorded BZ, left tree and flew along north side of WL1, low and very fast past VP continued W, until oov
BPS VP	13/12/2022	JS	16:08	L	2	GA1	Yes	40	10	NE	Pair flew to NE, possibly roosting at bog to NE or at Lough Boora
BPS VP	13/12/2022	JS	16:10	GP	5	GA1	Yes	40	10	NE	Similar to pair of Lapwing, flock flew to NE, possibly roosting at bog to NE or at Lough Boora
RWI	09/01/2023	LB	15:20	BZ	1	GA1	Yes	10	30	Circling	Circled over treeline
RWI	09/01/2023	LB	14:00	WS	13	GA1	No	NA	NA	NA	Foraging in field for 3 hours
RWI	09/01/2023	LB	16:00	CA	1	GA1	Yes	20	100	W	Flew over, landed in Parteen reservoir
RWI	09/01/2023	LB	10:45	BH	14	GA1	No	NA	NA	NA	Foraging along embankment
RWI	09/01/2023	LB	09:45	WS	17	GA1	No	NA	NA	NA	Grazing in field
RWI	09/01/2023	LB	12:35	MA	2	GA1	Yes	5	100	S	Flew in from Parteen to land on bank
WTP VP	12/01/2023	JS	10:10	SN	2	GS4	No	NA	NA	NA	Pair flushed and flew N when walking to VP
WTP VP	12/01/2023	JS	11:39	BZ	1	GS4	Yes	50	20	E	Flew from north over area and drifted E
BPS VP	13/01/2023	JS	9:37	K	1	GA1	Yes	40	7	W	first seen flying low over field, rose and circled area before landed on electricity pole and perched for a number of minutes
BPS VP	13/01/2023	JS	9:47	K	1	GA1	Yes	80	7	W	Left electricity pole and traveled west hunting and briefly landing on electric wires before continuing oov
BPS VP	13/01/2023	JS	13:13	BZ	2	GA1	Yes	20	20	W	Pair drifting slowly W and calling before drifting over road until oov
BPS VP	13/01/2023	JS	13:44	K	1	GA1	Yes	70	5	S	Flew low to ground, occasionally rising to begin hunting. moved along hedge before cross road and oov
TPR VP	16/01/2023	JS	8:30	GP	147	BC1	No	NA	NA	NA	Large flock of GP roosting on frozen winter barley field. Remained at location throughout both dawn and day survey
TPR VP	16/01/2023	JS	9:22	GP	62	BC1	Yes	50	100	NW	First heard, then seen high over field, circled and flew NW until oov
TPR VP	16/01/2023	JS	12:58	K	1	BC1	Yes	30	5	SW	Flew low over ground and hedges heading SW until oov
TPR VP	16/01/2023	JS	12:20	L	35	BC1	Yes	30	15	E	Seen flying over fields until oov
BPS VP	10/02/2023	JS	11:41	SH	1	GA1	Yes	70	5	N	Flew from E being mobbed by HC, flushed large flock SG feeding in GA1. Landed on Borehole posts before flying North
BPS VP	10/02/2023	JS	11:41	BZ	1	GA1	Yes	50	15	E	Commuting over area heading E
BTP VP	10/02/2023	JC	8:25	LB	1	GA1	Yes	25	14	E	Flew across field and out of view
BTP VP	10/02/2023	JC	10:48	K	1	GA1, WL1	Yes	140	10	E	Hovering/hunting above hedgerow
RWI	13/02/2023	LB	15:15	BH	110	GA1	Yes	10	30	Circling	Foraging on farmland, flew up briefly twice
RWI	14/02/2023	LB	10:50	BH	65	GA1	Yes	15	15	S	-
RWI	14/02/2023	LB	11:25	L.	40	GA1	Yes	5	5	Circling	Flew up from bank and dropped oov, likely to be foraging along Parteen bank out of view from VP
RWI	14/02/2023	LB	11:55	L.	40	GS4	Yes	5	5	Circling	Lapwing circled briefly and settled in rushy field (part of Pollagh wetland)
RWI	14/02/2023	LB	09:45	ET	1	GA1	Yes	20	20	N	-
RWI	14/02/2023	LB	12:35	WS	13	GA1	No	NA	NA	NA	13 foraging on GA1 same as January
WTP VP	16/02/2023	RA	08:39	MA	2	GS4	Yes	150	20	SW	
WTP VP	16/02/2023	RA	13:23	MA	2	GS4	Yes	50	20	SW	
WTP VP	16/02/2023	RA	07:49	BZ	1	GS4	No	NA	NA	NA	
WTP VP	16/02/2023	RA	08:52	SN	1	GS4	Yes	15	2	NW	Flushed by surveyor
WTP VP	16/02/2023	RA	12:21	BZ	1	GS4	Yes	150	35	SE	
TPR VP	17/02/2023	JS	11:15	BZ	1	WL1	No	NA	NA	NA	Seen on arrival, remained perched for a period of time
TPR VP	17/02/2023	JS	11:55	BZ	1	WL1, BC1	Yes	10	4	N	Same bird that was perched on hedge on arrival, left and fly north, dropping oov
TPR VP	17/02/2023	JS	17:21	GP	98	BC1	Yes	270	100	S	Large flock of GP, flew over and did not land in area. possibly roosting on other side of road to South of site
TPR VP	17/02/2023	JS	17:25	GP	5	BC1	Yes	30	100	S	Small flock calling, flew over and did not land in area. possibly roosting on other side of road to South of site
RWI	07/03/2023	LB	11:20	BZ	2	GA1	Yes	300	250	W	Circling over farmland calling
RWI	07/03/2023	LB	09:40	GJ	4	GA1	Yes	5	10	N	Short flight along bank
RWI	07/03/2023	LB	10:50	ET	1	GA1	Yes	5	10	N	Short flight along bank
RWI	07/03/2023	LB	12:05	CA	1	FL8	Yes	10	10	N	-
RWI	08/03/2023	LB	10:00	K.	1		Yes	5	40	Circling	Hunting over farmland (male)
RWI	08/03/2023	LB	11:40	SH	1		Yes	5	5	Circling	Hunting along hedge
RWI	08/03/2023	LB	12:55	BZ	1		No	NA	NA	NA	Heard calling not seen
RWI	08/03/2023	LB	12:05	MS	2		Yes	25	5	N	Pair flew along canal
RWI	08/03/2023	LB	12:40	MA	4		Yes	5	10	N	Flew from drain to Parteen
TPR VP	27/03/2023	KL	15:03	BZ	1	GA1	Yes	30	5	SW	Buzzard flying low over field
TPR VP	27/03/2023	KL	15:07	BZ	1	BC1	Yes	120	100	E	Buzzard flying high over fields north of VP
TPR VP	27/03/2023	KL	5:27	BZ	1	GA1	Yes	30	15	S	Buzzard flying along treeline
BPS VP	29/03/2023	JS	15:13	K	1	GA1	Yes	40	5	NE	Adult female, flew from S over fields and oov over hedge

38kV Vantage Point Survey Results 2023/2024:

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
12/10/2022	O'Briensbridge 38kV VP	JC	7:50	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Two adults
12/10/2022	O'Briensbridge 38kV VP	JC	8:02	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	17	40	
12/10/2022	O'Briensbridge 38kV VP	JC	8:32	KF	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	40	Landed in scrub on canal bank
12/10/2022	O'Briensbridge 38kV VP	JC	9:55	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	45	Flew under bridge
12/10/2022	O'Briensbridge 38kV VP	JC	10:15	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	16	45	Flew over bridge
12/10/2022	O'Briensbridge 38kV VP	JC	12:45	CA	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	45	
12/10/2022	O'Briensbridge 38kV VP	JC	12:10	BH	1	Yes	No	No	No	SE	Towards Lower Shannon	Below	8	20	Short flight from bank then landed on bank again
13/10/2022	Coolisteige 38kV VP	JC	13:56	LB	1	Yes	No	No	No	W	Towards Lower Shannon	Below	8	45	
13/10/2022	Coolisteige 38kV VP	JC	14:06	CA	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	45	
13/10/2022	Coolisteige 38kV VP	JC	13:45	BH	1	Yes	No	No	No	S	Towards Lower Shannon	Above	16	40	
13/10/2022	Coolisteige 38kV VP	JC	16:00	BH	2	Yes	No	No	No	W	Towards Lower Shannon	Above	16	50	
13/10/2022	Coolisteige 38kV VP	JC	17:10	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	18	45	
13/10/2022	Coolisteige 38kV VP	JC	18:10	CA	1	Yes	No	No	No	W	Towards Lower Shannon	Above	1	45	
08/11/2022	Kildoorus 38kV VP	JC	10:15	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2adults on water
08/11/2022	Kildoorus 38kV VP	JC	13:45	RK	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2adults on water
08/11/2022	Kildoorus 38kV VP	JC	12:20	ET	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	10	40	Flew below 38kv line and landed on canal bank
08/11/2022	Kildoorus 38kV VP	JC	14:10	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Below	5	40	Flew below 38kv line and out of view
08/11/2022	Kildoorus 38kV VP	JC	14:10	CA	2	Yes	No	No	No	S	Towards Lower Shannon	Above	18	80	Flew over VP from river Shannon and then flew along canal and out of view
08/11/2022	Kildoorus 38kV VP	JC	15:25	MA	4	Yes	No	No	No	S	Towards Lower Shannon	Above	20	80	Flew south over canal, turned east and flew over river Shannon
09/11/2022	Kildoorus 38kV VP	JC	10:15	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult CA on water
09/11/2022	Kildoorus 38kV VP	JC	13:50	MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult MS on water
09/11/2022	Kildoorus 38kV VP	JC	10:40	MA	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	8	50	
09/11/2022	Kildoorus 38kV VP	JC	11:22	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	6	50	
09/11/2022	Kildoorus 38kV VP	JC	11:22	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Below	10	30	Took off from bank, circled over river and landed on bank again
09/11/2022	Kildoorus 38kV VP	JC	12:05	K	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	15	150	Hovering then dived below canopy and out of view
09/11/2022	Kildoorus 38kV VP	JC	12:35	GJ	8	Yes	No	No	No	NE	Towards Lower Shannon	Above	18	120	Hovering towards bridge and out of view
09/11/2022	Kildoorus 38kV VP	JC	13:02	L	18	Yes	No	No	No	NE	Towards Lower Shannon	Above	18	100	Circled over Treeline and flew E out of view
09/11/2022	Kildoorus 38kV VP	JC	13:09	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	18	100	Flew SW over river and out of view
09/11/2022	Kildoorus 38kV VP	JC	13:50	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	12	30	
09/11/2022	Kildoorus 38kV VP	JC	14:10	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	90	Flow over Treeline towards bridge and out of view
09/11/2022	Kildoorus 38kV VP	JC	14:32	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	15	90	
09/11/2022	Kildoorus 38kV VP	JC	14:54	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Above	15	90	
09/11/2022	Kildoorus 38kV VP	JC	15:13	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	20	Flew over bridge
09/11/2022	Kildoorus 38kV VP	JC	15:13	BH	20	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	200	Flock of BH flying/circling above residential area
09/11/2022	Kildoorus 38kV VP	JC	15:40	CA	2	Yes	No	No	No	SW	Towards Lower Shannon	Below	2	50	Flew low over water
09/11/2022	Kildoorus 38kV VP	JC	15:40	GJ	34	Yes	No	No	No	S	Towards Lower Shannon	Above	25	100	Large flock flying and calling
09/11/2022	Kildoorus 38kV VP	JC	16:05	BH	1	Yes	No	No	No	W	Towards Lower Shannon	Below	8	20	Flew above bridge then landed near carpark
09/11/2022	Kildoorus 38kV VP	JC	16:05	H	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	5	15	
09/11/2022	Kildoorus 38kV VP	JC	16:22	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	8	15	Flew from river bank and landed on water
09/11/2022	Kildoorus 38kV VP	JC	16:35	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	8	20	Flew from river bank and landed back on bank
11/11/2022	Coolisteige 38kV VP	JC	7:50	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults on water

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
11/11/2022	Coolisteige 38kV VP	JC	08:05	CA	1	Yes	No	No	No	E	Towards Lower Shannon	Below	1	40	Flew along canal, low to water
11/11/2022	Coolisteige 38kV VP	JC	09:10	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	14	50	Flew along canal
11/11/2022	Coolisteige 38kV VP	JC	10:32	BH	1	Yes	No	No	No	E	Towards Lower Shannon	Below	8	40	Flew along canal and landed on water
11/11/2022	Coolisteige 38kV VP	JC	10:40	KF	1	Yes	No	No	No	W	Towards Lower Shannon	Below	1	20	Flew along canal and landed in scrub on bank
07/12/2022	Coolisteige 38kV VP	JC	9:50	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Two adults
07/12/2022	Coolisteige 38kV VP	JC	10:03	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	35	
08/12/2022	Kildoorus 38kV VP	RA	9:15	BH	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/12/2022	O'Briensbridge 38kV VP	RA		MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Cygnet
08/12/2022	O'Briensbridge 38kV VP	RA		MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/12/2022	O'Briensbridge 38kV VP	RA		MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/12/2022	O'Briensbridge 38kV VP	RA		RK	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Foraging and flushed by walkers
08/12/2022	O'Briensbridge 38kV VP	RA	14:34	BZ	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Flushed by surveyor. Height below lines
08/12/2022	O'Briensbridge 38kV VP	RA	08:47	BZ	1	Yes	No	No	No	E	Towards Lower Shannon	Below	3	3	Perched on sign. Flew towards river
08/12/2022	O'Briensbridge 38kV VP	RA	09:01	BH	1	Yes	No	No	No		Towards Lower Shannon	Above	20	15	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:04	CA	1	Yes	No	No	No		N/A	Above	18	5	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:19	BH	1	Yes	No	No	No	S	Towards Lower Shannon	Below	10	15	Flew down canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:20	BH	3	Yes	No	No	No	N	Towards Lower Shannon	Above	20	15	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	09:37	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Above	20	15	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	JC		CA	1	Yes	No	No	No	W	N/A	Below	15	25	
08/12/2022	O'Briensbridge 38kV VP	RA	10:00	BH	3	Yes	No	No	No	N	Towards Lower Shannon	Above	20	35	Flew up canal
08/12/2022	O'Briensbridge 38kV VP	RA	10:13	BH	1	Yes	No	No	No	S	Towards Lower Shannon	Above	20	10	Flew up canal
08/12/2022	Kildoorus 38kV VP	RA	11:58	CA	1	Yes	No	No	No	N	Towards Lower Shannon	Above	18	45	Flew over VP towards O'Briensbridge
08/12/2022	O'Briensbridge 38kV VP	RA	13:05	ET	1	Yes	No	No	No	NW	Towards Lower Shannon	Below	0.5	50	Flying low to the water before landing on canal banks
08/12/2022	O'Briensbridge 38kV VP	RA	14:47	TU	4	Yes	No	No	No	W	N/A	Above	20	20	Possibly heading towards McMahons lake
09/12/2022	Kildoorus 38kV VP	RA	08:48	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult CA on water
09/12/2022	Kildoorus 38kV VP	RA	08:48	MA	4	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 pairs
09/12/2022	Kildoorus 38kV VP	RA	08:48	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
09/12/2022	Kildoorus 38kV VP	RA	12:27	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
09/12/2022	Kildoorus 38kV VP	RA	12:29	MS	3	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
09/12/2022	Kildoorus 38kV VP	RA	08:50	CA	2	Yes	No	No	No	S	Towards Lower Shannon	Below	6	5	
09/12/2022	Kildoorus 38kV VP	RA	09:00	BH	7	Yes	No	No	No	SW	Towards Lower Shannon	Above	25	15	
09/12/2022	Kildoorus 38kV VP	RA	09:37	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	25	15	
09/12/2022	Kildoorus 38kV VP	RA	09:42	CO	1	Yes	No	No	No	W	Towards Lower Shannon	Above	1	10	Flushed by dog
09/12/2022	Kildoorus 38kV VP	RA	09:53	CA	2	Yes	No	No	No	W	N/A	Above	18	10	
09/12/2022	Kildoorus 38kV VP	RA	10:21	BH	2	Yes	No	No	No	SW	Towards Lower Shannon	Above	25	18	
09/12/2022	Kildoorus 38kV VP	RA	10:34	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	20	15	
09/12/2022	Kildoorus 38kV VP	RA	11:54	H	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	15	
09/12/2022	Kildoorus 38kV VP	RA	12:42	BH	2	Yes	No	No	No	SW	Towards Lower Shannon	Above	6	45	
09/12/2022	Kildoorus 38kV VP	RA	13:11	BH	1	Yes	No	No	No	NW	Towards Lower Shannon	Above	25	30	
10/01/2023	O'Briensbridge 38kV VP	JC	10:10	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults
10/01/2023	O'Briensbridge 38kV VP	JC	10:55	CA	2	Yes	No	No	No	NE	Towards Parteen Basin	Below	1	40	Flew under bridge
10/01/2023	O'Briensbridge 38kV VP	JC	12:10	BH	1	Yes	No	No	No	SW	Towards Parteen Basin	Above	12	20	Landed on bank

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
10/01/2023	O'Briensbridge 38kV VP	JC	13:50	BH	1	Yes	No	No	No	SW	Towards Parteen Basin	Above	14	35	
10/01/2023	O'Briensbridge 38kV VP	JC	14:16	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Above	1	35	
10/01/2023	O'Briensbridge 38kV VP	JC	14:34	BH	1	Yes	No	No	No	S	Towards Parteen Basin	Below	9	35	Flew from bank and landed on bank again
12/01/2023	Kildoorus 38kV VP	JC	10:20	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults on water
12/01/2023	Kildoorus 38kV VP	JC	11:50	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
12/01/2023	Kildoorus 38kV VP	JC	12:18	L	40	Yes	No	No	No	SW	Towards Lower Shannon	Above	14	40	Flock flying next to bridge, flew out of view
12/01/2023	Kildoorus 38kV VP	JC	16:32	BH	50	Yes	No	No	No	NE	Towards Lower Shannon	Above	20	45	
12/01/2023	Kildoorus 38kV VP	JC	16:35	BH	22	Yes	No	No	No	NE	Towards Lower Shannon	Above	20	40	
12/01/2023	Kildoorus 38kV VP	JC	14:10	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	12	25	Flew over bridge
12/01/2023	Kildoorus 38kV VP	JC	12:30	H	1	Yes	No	No	No	W	Towards Lower Shannon	Above	15	10	Flew over VP and towards canal
12/01/2023	Kildoorus 38kV VP	JC	12:43	LB	1	Yes	No	No	No	S	Towards Lower Shannon	Above	15	35	Flew down river and out of view
12/01/2023	Kildoorus 38kV VP	JC	15:00	LB	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	18	40	
12/01/2023	Kildoorus 38kV VP	JC	15:14	K	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	30	100	Mobbed by HC
13/01/2023	Coolisteige 38kV VP	JC	11:10	RK	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Both feeding along canal bank
13/01/2023	Coolisteige 38kV VP	JC	11:28	H	1	Yes	No	No	No	NW	Towards Lower Shannon	Below	8	50	Flew upstream and landed on canal bank
14/02/2023	Coolisteige 38kV VP	JC	11:25	RK	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Feeding along edge of canal
14/02/2023	Coolisteige 38kV VP	JC	11:32	LG	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Swimming beneath vegetation at edge of canal
14/02/2023	Coolisteige 38kV VP	JC	14:48	MA	4	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	3 males, 1 female
14/02/2023	Coolisteige 38kV VP	JC	11:24	H	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	45	Flew out of view over trees
14/02/2023	Coolisteige 38kV VP	JC	12:05	LB	2	Yes	No	No	No	E	Towards Lower Shannon	Above	20	60	Flew out of view over trees, heading towards river Shannon
14/02/2023	Coolisteige 38kV VP	JC	12:50	CA	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	1	60	Flew along canal, close to water
14/02/2023	Coolisteige 38kV VP	JC	15:02	RK	1	Yes	No	No	No	E	Towards Lower Shannon	Below	2	20	Flew across canal and landed on bank
14/02/2023	Coolisteige 38kV VP	JC	15:30	H	1	Yes	No	No	No	E	Towards Lower Shannon	Above	14	15	Flew across canal and over trees towards river Shannon
14/02/2023	Coolisteige 38kV VP	JC	15:20	RK	1	Yes	No	No	No	W	Towards Lower Shannon	Below	2	20	Flew across canal and landed on bank
14/02/2023	Coolisteige 38kV VP	JC	16:12	K	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	15	Flew over trees and out of view
16/02/2023	Coolisteige 38kV VP	JC	7:45	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Two adults
16/02/2023	O'Briensbridge 38kV VP	JC	9:50	BH	1	Yes	No	No	No	E	Towards Lower Shannon	Above	14	40	Flew over trees towards river Shannon
16/02/2023	O'Briensbridge 38kV VP	JC	11:55	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	60	Flew from canal bank and went out of view over bridge
17/02/2023	Kildoorus 38kV VP	JC	7:45	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	45	Landed on bank
17/02/2023	Kildoorus 38kV VP	JC	8:10	L	14	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	140	Changed direction several time then flew NE out of view
17/02/2023	Kildoorus 38kV VP	JC	10:10	CA	2	Yes	No	No	No	S	Towards Lower Shannon	Below	1	40	
17/02/2023	Kildoorus 38kV VP	JC	10:25	BH	1	Yes	No	No	No	N	Towards Lower Shannon	Below	8	30	Landed on water
17/02/2023	Kildoorus 38kV VP	JC	11:22	MS	2	Yes	No	No	No	NW	Towards Lower Shannon	Below	1	8	Took off from water and landed back on water, adult pair
17/02/2023	Kildoorus 38kV VP	JC	12:46	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	12	35	Flew over bridge and out of sight
17/02/2023	Kildoorus 38kV VP	JC	13:05	BH	1	Yes	No	No	No	NW	Towards Lower Shannon	Above	12	45	Landed on bank
03/03/2023	O'Briensbridge 38kV VP	JC	15:48	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/03/2023	Kildoorus 38kV VP	JC	12:00	MA	4	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	3 male, 1 female
08/03/2023	Kildoorus 38kV VP	JC	12:00	MS	2	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	2 adults
08/03/2023	Kildoorus 38kV VP	JC	12:00	CA	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	
08/03/2023	Kildoorus 38kV VP	JC	12:05	MS	1	No	Yes	No	No	N/A	N/A	N/A	N/A	N/A	Adult
08/03/2023	Kildoorus 38kV VP	JC	12:42	CA	2	Yes	No	No	No	NE	Towards Lower Shannon	Below	2	35	Landed on water
08/03/2023	Kildoorus 38kV VP	JC	14:04	GJ	1	Yes	No	No	No	NW	Towards Lower Shannon	Above	18	40	Flew out of sight

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched/Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
08/03/2023	Kildoorus 38kV VP	JC	17:14	CA	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	1	70	Flew under bridge
08/03/2023	Kildoorus 38kV VP	JC	15:39	BH	1	Yes	No	No	No	NE	Towards Lower Shannon	Above	14	25	Flew over bridge
08/03/2023	Kildoorus 38kV VP	JC	18:15	BH	18	Yes	No	No	No	NE	Towards Lower Shannon	Above	15	110	Flock circling together above park/houses
09/03/2023	O'Briensbridge 38kV VP	JC	12:45	H	1	Yes	No	No	No	N	Towards Parteen Basin	Below	6	20	
09/03/2023	O'Briensbridge 38kV VP	JC	14:42	RK	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	4	5	Seen mid-flight, landed on bank
09/03/2023	O'Briensbridge 38kV VP	JC	18:05	BH	1	Yes	No	No	No	NE	Towards Parteen Basin	Above	11	20	Landed on bank
10/03/2023	Coolisteige 38kV VP	JC	7:22	CA	2	Yes	No	No	No	W	Towards Lower Shannon	Below	1	50	
10/03/2023	Coolisteige 38kV VP	JC	8:05	H	1	Yes	No	No	No	NE	Towards Lower Shannon	Below	10	30	
10/03/2023	Coolisteige 38kV VP	JC	8:42	BH	1	Yes	No	No	No	SW	Towards Lower Shannon	Below	9	20	

Winter Bird Surveys Results – 2024/2025

Lough Derg and Parteen Basin I-WeBS Results 2024/2025:

October 2024 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**BZ**	**CA**	**CO**	**ET**	**GG**	**H.**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WS**
Ballycuggeran Bay	19					1					29					
Ballyheefy											1		2			
Bearoge Island	28	1	14						1	1	2	2				
Blackrock point		1	1	1						1	2	1	2			
Bunglasha Bay				1						1						
Castlelough Public Park													8			
Church Bay						1						1	3		2	
Clery's Point			4							2	2	1	1			
Cloondadauv	2					1							4			
Cloonoolia Bay A				4		1					5		1	78		23
Cloonoolia South						3							1			
Derrymaccegan Bay											18	2				
Dromineer Bay	20		2	21		2			16	2	16		20	63		2
Ducey's Harbour				1							12		2			
Garrykennedy Harbour	11		7						46	2	19		24			
Glenbower			1			4							2			11
Gortmore			11								3		8	11		
Illanaboe			1			1		51		1		1	8			
Kilcooney											10					
Kilgarvan Quay	3		2										8		1	
Luska			3			11						1	11	18	1	
Mota	7		3			2	1				2		5			
Mountshannon			1	3					1	2			2			
Rossmore Pier			6									1				
Ryninch	4		1													
Skehanagh	1		3			2			1				13			
Terryglass Harbour	17		6		1	2					10		21			
Towards Spa Island North													2			
Williamstown	2		1													
Youghal Quay			3		1		1			2	12	1	2			

October 2024 I-WeBS Parteen Basin					
Parteen Basin Subsite	**CA**	**ET**	**LG**	**MS**	**TU**
Ardcloony	5	1		26	32
Clarisford			1	9	
O'Briensbridge Montpelier	1			3	

November 2024 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GN**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**	**WS**
Ballycuggeran Bay	15	1			2						12						
Ballyheefy						8					2		2				
Blackrock point		1									3		1				
Bunglasha Bay			2		1						4		1	4			
Castlelough Public Park													1				
Church Bay													1				
Clery's Point					1							2					
Cloondadauv																2	10
Cloonoolia Bay A			4				2				5			9			8
Derrymaccegan Bay	3	6									12						
Dromineer Bay	11	3	2		3				1				4				
Ducey's Harbour		1	7								8				1		
Friary	65	8									42	3					
Garrykennedy Harbour	1										65						

Jacobs TOBIN

November 2024 I-WeBS Lough Derg																
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GN**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**TU**	**WA**	**WE**	**WS**
Glenbower		2															
Gortmore		1														1	
Illanaboe											2		4				
Kilcooney											2		8				
Kilgarvan Quay	1	2			1								4				
Knockaphort		1	2	1							1						
Luska		3		1	1					3	2		2	11			
Mota		1											3				
Mountshannon		2	15		1					2			3	47			
Old Village													2				
Rossmore Pier		1															
Skehanagh	3	1			4								4				
Terryglass Harbour		1			1								1				
Towards Spa Island North								130									
Williamstown		2								1							
Youghal Quay	5												8	8			

November 2024 I-WeBS Parteen Basin														
Parteen Basin Subsite	**BH**	**CA**	**ET**	**GG**	**KF**	**L.**	**LG**	**MA**	**MH**	**MS**	**ND**	**PO**	**TU**	**WN**
Ardcloony		4						15		27		3	860	4
Clarisford		1		2	2		8			5	1		8	
O'Briensbridge	1							3						
O'Briensbridge Montpelier	8	2	1			63			1	2				

December 2024 I-WeBS Lough Derg																		
Lough Derg Subsite	**BH**	**BZ**	**CA**	**CO**	**ET**	**GG**	**GJ**	**H.**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**ND**	**RE**	**TU**	**WA**
Ballycuggeran Bay	17												7						
Ballyheefy				1								1							
Bearoge Island	14		8										4	2					
Blackrock point														1					1
Bunglasha Bay				2											2			5	
Castlelough Public Park	3		2					1							2				
Church Bay														1					
Clery's Point					1														
Cloondadauv										60					3		40		
Cloonoolia Bay A													2					14	
Derrymaccegan Bay		1	4			2							20	4	7				1
Dromineer Bay	18			5		5							19					23	
Ducey's Harbour				2									8		1				
Friary	95		2			1							29						
Garrykennedy Harbour	30		7								2		36	2	4				
Glenbower			2								1	2	5					2	
Gortmore			14										11		6				
Illanaboe															2				
Kilgarvan Quay			14			2	110						6		7		2	1	
Knockaphort				6														25	
Luska			4			4							4		2			2	1
Mota	1		4			2									5			22	
Mountshannon													5					6	
Old Village															2				
Rossmore Pier		1				1							2	1					
Ryninch	2		2																
Skehanagh			1		1	2								1	2	1			
Terryglass Harbour	6		7								1		5		3				
Towards Spa Island North		1											4		4				
Williamstown			1			3													

Jacobs TOBIN

December 2024 I-WeBS Lough Derg																		
Lough Derg Subsite	**BH**	**BZ**	**CA**	**CO**	**ET**	**GG**	**GJ**	**H.**	**KF**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**ND**	**RE**	**TU**	**WA**
Youghal Quay	9		2		1	2		3	1				7		14	2	10		

December 2024 I-WeBS Parteen Basin								
Parteen Basin Subsite	**CA**	**GG**	**LG**	**MA**	**MS**	**RK**	**T.**	**TU**
Ardcloony	1				14		9	370
Clarisford	1	1	3		3			95
O'Briensbridge				2	2	7		
O'Briensbridge Montpelier				6	2			

January 2025 I-WeBS Lough Derg																			
Lough Derg Subsite	**BH**	**CA**	**CO**	**ET**	**GG**	**GJ**	**GN**	**H.**	**L.**	**LB**	**LG**	**MA**	**MH**	**MS**	**ND**	**T**	**TU**	**WE**	**WN**	**WS**
Ballycuggeran Bay	11	2										19		3						
Ballyheefy												5		3		4				
Bearoge Island		16		1				1				13								
Blackrock point		13			1									9						
Bunglasha Bay			2								1	3		4			4			
Castlelough Public Park														2						
Church Bay			1																	
Clery's Point			1											1						
Cloondadauv	1	8			3									2			1			
Cloonoolia Bay A			2											2			14			
Cloonoolia South																	23			
Derrymaccegan Bay			2									15								
Dromineer Bay	104		27									4		6						
Ducey's Harbour	2	3	8						4	2	2	8		6			2			
Friary	10	2										25		1						
Garrykennedy Harbour	140									22		44		2						
Illanaboe		1	1											5						
Kilcooney	4	3												5			9			4
Kilgarvan Quay		1									20		1	2			24			
Knockaphort	23	3	5	1	4	37	6				2			12			43	1		4
Luska		4	2		2						2	2		8			28		2	
Mota											2						4			
Mountshannon		3	2	1										7			9			
Rossmore Pier		2			1	23					1			3						
Skehanagh	45																			
Terryglass Harbour		3	1									10	1							
Towards Spa Island North		2	18		2	2			50		14	6	1	4	1	20	8			
Williamstown			7											3						
Youghal Quay	61	1	7								2			10						

January 2025 I-WeBS Parteen Basin												
Parteen Basin Subsite	**BH**	**CA**	**GG**	**GJ**	**GN**	**H.**	**L.**	**MA**	**MH**	**MS**	**RK**	**TU**
Ardcloony	7	7		21		1	12			26		62
Clarisford	16	4	2		12				2	4		
O'Briensbridge		1						3		2	2	
O'Briensbridge Montpelier	7	2								5		

February 2025 I-WeBS Lough Derg																				
Lough Derg Subsite	**BH**	**CA**	**CM**	**CO**	**ET**	**GG**	**GJ**	**GL**	**GN**	**H.**	**KF**	**L.**	**LG**	**MA**	**MH**	**MR**	**MS**	**TU**	**WA**	**WE**	**WN**
Ballycuggeran Bay	29	2				2				1				29							
Blackrock point		2				1						57					3				
Bunglasha Bay	1					1				1							2	1			
Castlelough Public Park														2			4				
Church Bay				7		1							2		2		2	2			
Clery's Point				2													3				
Cloondadauv	7						3						2								
Cloonoolia Bay A		2							4					4			2	4			
Derrymaccegan Bay	26	1								23				25	5	1		17	1	1	
Dromineer Bay	4		1	11		2											8				
Ducey's Harbour		3		1		1								10	1		2				
Friary	11													19			4				
Garrykennedy Harbour	54			1										26							
Illanaboe		2								1											
Kilgarvan Quay		8		1		2					1		3	2			4	75			
Knockaphort				1						1							6	7			
Luska	2			1	3								2	4			2	2			
Mota				8		4							2				3	82			
Mountshannon																	2				
Old Village		1					5														
Rossmore Pier		11								1											
Skehanagh	72	4				2		1						3			1	19			2
Terryglass Harbour	3	112												4							
Towards Spa Island North	13	5		12			54						3				5	8	1		
Williamstown		3								1							2				
Youghal Quay	36			1		1											3	5			

February 2025 I-WeBS Parteen Basin				
Parteen Basin Subsite	**CA**	**KF**	**MA**	**MS**
Ardcloony	8	1		7
Clarisford				2
O'Briensbridge			1	
O'Briensbridge Montpelier	1		8	3

March 2025 I-WeBS Lough Derg																	
Lough Derg Subsite	**BH**	**CA**	**CO**	**CU**	**ET**	**GG**	**GJ**	**H.**	**LB**	**LG**	**MA**	**MH**	**MS**	**ND**	**T**	**TU**	**WA**	**WE**
Ballycuggeran Bay	25	1									36		8					
Ballyheefy						1	3											
Bearoge Island	2	85				5			3	2	3		4					
Blackrock point	31					4			1		5		2					
Bunglasha Bay			2										1					
Castlelough Public Park													2					
Church Bay			8			2				4	2							
Clery's Point	5		4						1	3			7					
Cloondadauv						3				1		1						
Cloonoolia Bay A	32		6		1	1					2							
Cloonoolia South											2		2			1		
Derrymaccegan Bay	3	4	3			9		1		2	3	3	2	1		12		
Dromineer Bay	10		6						2		5		14					
Ducey's Harbour		3	1								7	1						
Friary	3					1			2	2	64							
Garrykennedy Harbour	22	2									40		8					
Gortmore		149											12					
Illanaboe		3								4	3	2	6					
Kilgarvan Quay		2					4					1	7			25		
Knockaphort			1			1		2					2			3		
Luska			2			6							4			30		

March 2025 I-WeBS Lough Derg																	
Lough Derg Subsite	**BH**	**CA**	**CO**	**CU**	**ET**	**GG**	**GJ**	**H.**	**LB**	**LG**	**MA**	**MH**	**MS**	**ND**	**T**	**TU**	**WA**	**WE**
Mota		45	3										2				1	
Mountshannon			1			1							1					
Old Village		1					5		2		1		2					
Rossmore Pier	2	1				2	2						4					
Skehanagh	2	2	1				6						1					
Terryglass Harbour	11										8	2	7					
Towards Spa Island North			2	1		2	48			1	2				15			1
Williamstown	17					2					2							
Youghal Quay	77				1	2				2	1	1	8					

March 2025 I-WeBS Parteen Basin				
Parteen Basin Subsite	**CA**	**GG**	**MA**	**MS**
Ardcloony				3
Clarisford	4	1		1
O'Briensbridge	2		5	
O'Briensbridge Montpelier				2

Lough Derg Vantage Point Results 2024/2025:

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	14/10/2024	JS	13:57	CA	2	Yes	No	No	N	Towards Lough Derg	Flew from Killaloe along east bank
Two Mile Gate LD VP	14/10/2024	JS	14:05	MA	2	Yes	No	No	N	Towards Lough Derg	Flew from north towards Killaloe along West Bank
Two Mile Gate LD VP	14/10/2024	JS	14:31	BH	2	Yes	No	No	N	Towards Lough Derg	Flew from north towards West Bank
Two Mile Gate LD VP	14/10/2024	JS	16:23	CA	2	Yes	Yes	-	N	Towards Lough Derg	Flew from Killaloe and landed on water
Two Mile Gate LD VP	14/10/2024	JS	17:05	BH	4	Yes	No	-	S	Towards Lough Derg	Flew from north towards Killaloe along east Bank
Two Mile Gate LD VP	14/10/2024	JS	17:57	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe travelling along west bank
Two Mile Gate LD VP	14/10/2024	JS	14:05	H.	2	Yes	No	-	N	Towards Lough Derg	Flew from Killaloe travelling along east bank
Two Mile Gate LD VP	14/10/2024	JS	12:11	GG	1	No	Yes	-	N/A	N/A	Loafing and preening
Two Mile Gate LD VP	14/10/2024	JS	12:11	MA	2	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	14/10/2024	JS	12:11	MA	3	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	14/10/2024	JS	12:11	MS	3	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	14/10/2024	JS	12:11	MS	4	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	14/10/2024	JS	14:50	TU	7	No	Yes	-	N/A	N/A	Loafing and feeding
Flanagans LD VP	15/10/2024	JS	16:01	CA	1	Yes	Yes	-	S	Towards Parteen Basin	Landed in water
Flanagans LD VP	15/10/2024	JS	17:02	LB	2	Yes	No	-	N	Towards Lough Derg	Flying high
Flanagans LD VP	15/10/2024	JS	17:07	CA	1	Yes	No	-	N	Towards Lough Derg	Left water and headed north
Flanagans LD VP	15/10/2024	JS	17:13	CA	1	Yes	Yes	-	S	Towards Parteen Basin	Flew over bridge
Flanagans LD VP	15/10/2024	JS	17:38	LB	1	Yes	No	-	N	Towards Lough Derg	Flying high
Flanagans LD VP	15/10/2024	JS	17:53	BH	11	Yes	No	-	N	Towards Lough Derg	Left buoys and headed north
Flanagans LD VP	15/10/2024	JS	17:54	LB	1	Yes	Yes	-	N	Towards Lough Derg	Flying high
Flanagans LD VP	15/10/2024	JS	15:40	BH	14	No	Yes	-	N/A	N/A	Perched on buoys
Flanagans LD VP	17/10/2024	JS	9:09	LB	1	Yes	Yes	-	N	N/A	Flew from Parteen and landed on buoys
Flanagans LD VP	17/10/2024	JS	9:09	BH	7	Yes	Yes	-	N	N/A	Flew from Parteen and landed on buoys
Flanagans LD VP	17/10/2024	JS	9:42	MS	7	Yes	Yes	-	N	Towards Lough Derg	Left water and flew low over water until o.o.v.
Flanagans LD VP	17/10/2024	JS	10:02	BH	4	Yes	No	-	N	N/A	Flew from Parteen towards Louth Derg
Flanagans LD VP	17/10/2024	JS	10:42	BH	7	Yes	No	-	N	N/A	Flew from Parteen towards Louth Derg
Flanagans LD VP	17/10/2024	JS	10:57	MS	2	Yes	Yes	-	S	N/A	Flew from Lough Derg and landed in water
Flanagans LD VP	17/10/2024	JS	8:00	BH	18	No	Yes	-	N/A	N/A	Perched on buoys, remained throughout VP
Flanagans LD VP	17/10/2024	JS	8:00	MS	7	No	Yes	-	N/A	N/A	Flock on water upstream of VP
Ardcloony PB VP	22/10/2024	JM	16:36	GE	2	Yes	No	-	N	N/A	2 GE flew from west and landed on the small peninsula to forage
Ardcloony PB VP	22/10/2024	JM	16:38	BH	1	Yes	No	-	S	Towards Lower Shannon	Single BH flyover
Ardcloony PB VP	22/10/2024	JM	17:11	MA	2	Yes	No	-	NW	N/A	2 mallard flyovers
Ardcloony PB VP	22/10/2024	JM	17:43	BH	1	Yes	No	-	S	Towards Lower Shannon	Single BH flyover
Ardcloony PB VP	22/10/2024	JM	17:43	CA	2	Yes	No	-	N	Towards Lough Derg	2 ca flying low above water
Ardcloony PB VP	22/10/2024	JM	17:47	CA	1	Yes	No	-	N	Towards Lough Derg	Ca flyover
Ardcloony PB VP	22/10/2024	JM	17:56	GJ	4	Yes	No	-	S	Towards Lough Derg	A small group of grey lag flew fast from above the dam and towards north and oov
Ardcloony PB VP	22/10/2024	JM	18:43	MA	1	Yes	No	-	NW	N/A	1 mallard flyover
Ardcloony PB VP	22/10/2024	JM	16:00	ET	1	No	Yes	-	N/A	N/A	Single ET perched
Ardcloony PB VP	22/10/2024	JM	16:00	MS	4	No	No	-	N/A	N/A	2adults, 2 cygnets, seen on arrival

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Ardcloony PB VP	22/10/2024	JM	16:00	MS	7	No	Yes	-	N/A	N/A	A group of adults feeding and swimming
Ardcloony PB VP	22/10/2024	JM	16:00	MS	3	No	No	-	N/A	N/A	2adults, 1 cygnet, seen on arrival
Ardcloony PB VP	22/10/2024	JM	16:51	TU	17	No	Yes	-	N/A	N/A	Raft of 17 TU swimming
Ardcloony PB VP	22/10/2024	JM	17:08	L.	16	No	No	-	N/A	N/A	A group of lapwing seen loafing on agricultural field, possibly more but obstructed by riparian vegetation
Ardcloony PB VP	22/10/2024	JM	17:13	LG	2	No	Yes	-	N/A	N/A	Swimming and diving
Ardcloony PB VP	22/10/2024	JM	17:22	MH	1	No	Yes	-	N/A	N/A	Single MH swimming
Ardcloony PB VP	22/10/2024	JM	18:17	CA	38	No	No	-	N/A	N/A	At least 6 juveniles with while breast and belly plumage
Ardcloony PB VP	22/10/2024	JM	17:35	T.	4	No	No	-	N/A	N/A	4 teal roosting
Ardcloony PB VP	22/10/2024	JM	18:18	ET	2	No	No	-	N/A	N/A	Two ET perched
Clarisford Park PB VP	24/10/2024	RA	07:55	BH	1	Yes	No	-	S	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	08:08	BH	8	Yes	No	-	S	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	08:16	CA	1	Yes	No	-	S	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	08:21	CA	1	Yes	Yes	-	S	N/A	Circled before landing in water
Clarisford Park PB VP	24/10/2024	RA	08:37	BH	1	Yes	No	-	N	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	08:50	BH	2	Yes	No	-	N	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	08:55	BH	1	Yes	No	-	S	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	09:04	BH	1	Yes	No	-	N	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	09:15	MA	2	Yes	No	-	SW	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	09:15	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	09:30	MS	1	Yes	Yes	-	S	Towards Parteen Basin	Landed in water
Clarisford Park PB VP	24/10/2024	RA	09:36	BH	2	Yes	No	-	NE	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	09:49	BH	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	10:05	BH	2	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	10:16	MS	2	Yes	No	-	E	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	10:15	MA	1	Yes	No	-	E	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	10:26	MA	3	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	10:41	BH	1	Yes	No	-	S	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	11:43	MA	2	Yes	No	-	E	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	11:49	BH	1	Yes	Yes	-	S	Towards Parteen Basin	Dipped into water before flying off
Clarisford Park PB VP	24/10/2024	RA	12:04	ET	1	Yes	No	-	E	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	12:19	MS	3	Yes	Yes	-	SW	Towards Parteen Basin	Landed in water
Clarisford Park PB VP	24/10/2024	RA	12:55	MA	2	Yes	No	-	E	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	13:01	LG	2	Yes	Yes	-	S	Towards Parteen Basin	Landed in water
Clarisford Park PB VP	24/10/2024	RA	13:02	BH	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	13:07	BH	1	Yes	No	-	NE	Towards Lough Derg	
Clarisford Park PB VP	24/10/2024	RA	13:16	KF	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	13:26	BH	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	13:44	CA	1	Yes	No	-	SW	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	14:02	CA	1	Yes	No	-	W	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	14:13	BH	2	Yes	No	-	S	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	14:20	BH	1	Yes	No	-	E	Towards Parteen Basin	
Clarisford Park PB VP	24/10/2024	RA	08:09	MS	4	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	24/10/2024	RA	08:31	MS	5	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	24/10/2024	RA	08:36	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	24/10/2024	RA	09:25	CA	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	24/10/2024	RA	12:11	MS	1	No	Yes	-	N/A	N/A	
Clarisford Park PB VP	24/10/2024	RA	13:45	CA	1	No	Yes	-	N/A	N/A	
Ardcloony PB VP	25/10/2024	JM	8:13	H.	1	Yes	No	-	SW	N/A	Single H took off from the embankment
Ardcloony PB VP	25/10/2024	JM	8:18	GJ	7	Yes	No	-	S	Towards Lower Shannon	Flock of 7 greylag flyover south
Ardcloony PB VP	25/10/2024	JM	8:26	GJ	2	Yes	No	-	S	Towards Lower Shannon	2 Greylag flyover
Ardcloony PB VP	25/10/2024	JM	8:40	LB	1	Yes	No	-	N	N/A	Single LB slow flight following the edge of the lake, flying north
Ardcloony PB VP	25/10/2024	JM	8:46	CA	1	Yes	Yes	-		N/A	Single CA flying low above water eventually landing and hunting
Ardcloony PB VP	25/10/2024	JM	8:18	GJ	13	Yes	No	-	S	Towards Lower Shannon	Flock of 13 greylag flyover south
Ardcloony PB VP	25/10/2024	JM	9:39	CA	1	Yes	Yes	-	N	N/A	Single CA took off from lake and landed to perch on the island
Ardcloony PB VP	25/10/2024	JM	10:13	BH	1	Yes	No	-	S	N/A	Single BH flyover
Ardcloony PB VP	25/10/2024	JM	10:18	TU	42	Yes	Yes	-	N	N/A	Landed on water
Ardcloony PB VP	25/10/2024	JM	07:48	MS	2	No	Yes	-	N/A	N/A	2 MS swimming
Ardcloony PB VP	25/10/2024	JM	08:20	MA	17	No	Yes	-	N/A	N/A	A group of MA, some swimming, some on the shore
Ardcloony PB VP	25/10/2024	JM	08:02	MS	22	No	Yes	-	N/A	N/A	A large group of MS swimming, 4 cygnets
Ardcloony PB VP	25/10/2024	JM	08:41	L.	36	No	No	-	N/A	N/A	A group of L. On the edge of the lake
Flanagans LD VP	11/11/2024	JS	14:10	MA	2	Yes	No	-	S	Towards Parteen Basin	Flew downstream towards Parteen
Flanagans LD VP	11/11/2024	JS	14:22	BH	4	Yes	No	-	S	Towards Parteen Basin	Flew from Lough Derg and landed on buoys
Flanagans LD VP	11/11/2024	JS	14:56	BH	4	Yes	No	-	S	Towards Parteen Basin	Flew from Lough Derg and landed on buoys

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	11/11/2024	JS	15:20	BH	11	Yes	No	-	N	Towards Lough Derg	Left buoys and flew towards lake
Flanagans LD VP	11/11/2024	JS	16:46	BH	2	Yes	No	-	N	N/A	Flew from Parteen and landed on buoys
Flanagans LD VP	11/11/2024	JS	14:00	BH	8	No	Yes	-	N/A	N/A	Perched on buoys
Flanagans LD VP	12/11/2024	JS	12:11	CA	1	Yes	No	-	N	Towards Lough Derg	Flew upstream
Flanagans LD VP	12/11/2024	JS	13:02	MS	1	Yes	No	-	N	Towards Lough Derg	Flew upstream
Flanagans LD VP	12/11/2024	JS	13:44	MS	1	Yes	No	-	N	Towards Parteen Basin	Flew downstream
Flanagans LD VP	12/11/2024	JS	13:46	LB	1	Yes	No	-	N	Towards Lough Derg	Flew upstream
Clarisford Park PB VP	18/11/2024	JM	15:24	BH	12	Yes	No	-	NE	N/A	A group of BH flyover
Clarisford Park PB VP	18/11/2024	JM	15:24	BH	18	Yes	No	-	NE	N/A	A group of BH flyover
Clarisford Park PB VP	18/11/2024	JM	14:30	MS	6	No	Yes	-	N/A	N/A	Swimming
Clarisford Park PB VP	18/11/2024	JM	14:30	TU	2	No	Yes	-	N/A	N/A	Diving and swimming, 2 subadults
Clarisford Park PB VP	18/11/2024	JM	14:30	CA	1	No	Yes	-	N/A	N/A	Single can perched on a rock
Clarisford Park PB VP	18/11/2024	JM	15:34	MA	6	No	Yes	-	N/A	N/A	Group of mallard swimming
Clarisford Park PB VP	18/11/2024	JM	15:47	GG	3	No	Yes	-	N/A	N/A	Swimming and diving
Clarisford Park PB VP	18/11/2024	JM	15:54	LG	8	No	Yes	-	N/A	N/A	Swimming and diving
Clarisford Park PB VP	18/11/2024	JM	15:34	ND	1	No	Yes	-	N/A	N/A	Swimming and diving
Two Mile Gate LD VP	19/11/2024	RA	07:50	BH	1	Yes	No	-	S	Towards Parteen Basin	
Two Mile Gate LD VP	19/11/2024	RA	08:09	LB	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	19/11/2024	RA	08:11	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	19/11/2024	RA	07:48	CA	1	Yes	No	-	S	Towards Parteen Basin	
Two Mile Gate LD VP	19/11/2024	RA	08:15	CA	2	Yes	Yes	-	E	N/A	Landed in water
Two Mile Gate LD VP	19/11/2024	RA	08:17	CA	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	19/11/2024	RA	08:20	BH	1	Yes	No	-	S	Towards Parteen Basin	Flew south and circled over mouth of river before continuing S
Two Mile Gate LD VP	19/11/2024	RA	08:24	BH	5	Yes	No	-	N	Towards Lough Derg	Circled around corner, heading north
Two Mile Gate LD VP	19/11/2024	RA	08:27	BH	5	Yes	No	-	E	Towards Lough Derg	Flew from west to east side
Two Mile Gate LD VP	19/11/2024	RA	08:33	BH	2	Yes	No	-	S	Towards Parteen Basin	
Two Mile Gate LD VP	19/11/2024	RA	08:42	BH	2	Yes	No	-	S	Towards Parteen Basin	
Two Mile Gate LD VP	19/11/2024	RA	08:49	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	19/11/2024	RA	08:52	BH	1	Yes	No	-	N	Towards Lough Derg	Along West Bank, past VP and around corner
Two Mile Gate LD VP	19/11/2024	RA	08:57	ET	1	Yes	No	-	N	Towards Lough Derg	Spotted from centre of lake heading north over trees
Two Mile Gate LD VP	19/11/2024	RA	09:02	BH	1	Yes	No	-	S	Towards Parteen Basin	Heading across lake towards Killaloe
Two Mile Gate LD VP	19/11/2024	RA	09:11	ET	1	Yes	Yes	-	S	Towards Lough Derg	Flew over lake, along east shore and landed on water's edge
Two Mile Gate LD VP	19/11/2024	RA	09:15	CA	1	Yes	No	-	E	Towards Lough Derg	Flew towards east shore
Two Mile Gate LD VP	19/11/2024	RA	09:19	BH	1	Yes	No	-	N	Towards Lough Derg	Flew around corner
Two Mile Gate LD VP	19/11/2024	RA	09:30	CA	1	Yes	Yes	-	E	Towards Lough Derg	Flew across VP and landed in water
Two Mile Gate LD VP	19/11/2024	RA	09:44	ET	1	Yes	Yes	-	W	N/A	Flew from over trees and into garden
Two Mile Gate LD VP	19/11/2024	RA	10:25	WS	4	Yes	No	-	S	Towards Parteen Basin	Flew from over trees towards Killaloe
Two Mile Gate LD VP	19/11/2024	RA	10:28	BH	1	Yes	No	-	N	Towards Lough Derg	Spotted from centre of lake heading north over trees
Two Mile Gate LD VP	19/11/2024	RA	10:28	BH	2	Yes	No	-	S	Towards Parteen Basin	
Two Mile Gate LD VP	19/11/2024	RA	11:32	BH	1	Yes	No	-	N	Towards Lough Derg	Flew around corner
Two Mile Gate LD VP	19/11/2024	RA	11:34	ET	1	Yes	Yes	-	N	Towards Lough Derg	Took off from garden and over trees
Two Mile Gate LD VP	19/11/2024	RA	11:41	MS	1	Yes	Yes	-	N	Towards Lough Derg	Flew from Killaloe along east bank and landed on water
Two Mile Gate LD VP	19/11/2024	RA	11:46	CA	1	Yes	No	-	S	Towards Parteen Basin	Flew north before turning and flying back towards Killaloe
Two Mile Gate LD VP	19/11/2024	RA	11:52	ET	1	Yes	Yes	-	S	Towards Lough Derg	Flew from behind VP and landed on western shore of LD
Two Mile Gate LD VP	19/11/2024	RA	11:58	BH	1	Yes	Yes	-	N	Towards Lough Derg	Disappeared over trees behind VP
Two Mile Gate LD VP	19/11/2024	RA	12:11	MS	2	Yes	No	-	S	Towards Parteen Basin	Flew down mouth of river into Killaloe
Two Mile Gate LD VP	19/11/2024	RA	12:28	CA	1	Yes	Yes	-	S	Towards Parteen Basin	Landed in water before river mouth
Two Mile Gate LD VP	19/11/2024	RA	12:40	CA	1	Yes	Yes	-	S	Towards Lough Derg	Landed in water on eastern shore
Two Mile Gate LD VP	19/11/2024	RA	12:48	HG	1	Yes	No	-	N	Towards Lough Derg	Over trees
Two Mile Gate LD VP	19/11/2024	RA	12:58	BH	1	Yes	Yes	-	S	Towards Lough Derg	Flew towards east bank before landing in agricultural field
Two Mile Gate LD VP	19/11/2024	RA	13:34	BH	3	Yes	No	-	N	Towards Lough Derg	Flew over trees
Two Mile Gate LD VP	19/11/2024	RA	13:37	H.	2	Yes	Yes	-	N	Towards Lough Derg	Flew north and landed in garden on western shore
Two Mile Gate LD VP	19/11/2024	RA	13:49	BH	5	Yes	No	-	N	Towards Lough Derg	Disappeared over trees behind VP
Two Mile Gate LD VP	19/11/2024	RA	13:55	H.	1	Yes	No	-	E	Towards Lough Derg	Flew in front of VP and around corner
Two Mile Gate LD VP	19/11/2024	RA	08:29	MS	1	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	19/11/2024	RA	08:44	MS	2	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	19/11/2024	RA	09:33	MS	5	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	19/11/2024	RA	11:36	MS	3	No	Yes	-	N/A	N/A	Drying wings and perched
Two Mile Gate LD VP	19/11/2024	RA	12:16	CA	1	No	Yes	-	N/A	N/A	Diving and sitting on water
Ardcloony PB VP	20/11/2024	JM	07:06	GJ	2	Yes	No	-	S	Towards Lower Shannon	2 GJ flying low over the lake
Ardcloony PB VP	20/11/2024	JM	07:13	MA	4	Yes	No	-	S	Towards Lower Shannon	4 ma flying south
Ardcloony PB VP	20/11/2024	JM	07:25	BH	4	Yes	Yes	-	S	N/A	A small group of BH flying south, circling and landing on the opposite shore
Ardcloony PB VP	20/11/2024	JM	07:30	CA	3	Yes	No	-	S	Towards Lower Shannon	Ca flyover

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Ardcloony PB VP	20/11/2024	JM	08:30	BH	1	Yes	No	-	S	N/A	Single BH following the embankment
Ardcloony PB VP	20/11/2024	JM	08:12	CU	1	Yes	No	Yes	E	N/A	Single curlew seen flying above water. More heard on the on the other embankment
Ardcloony PB VP	20/11/2024	JM	08:10	L.	50	Yes	No	-	N/A	N/A	A flock of lapwing circling for 10 min
Ardcloony PB VP	20/11/2024	JM	09:19	BH	1	Yes	No	-	S	N/A	BH flying and dip feeding
Ardcloony PB VP	20/11/2024	JM	09:23	MA	1	Yes	No	-	SW	N/A	Ma flying
Ardcloony PB VP	20/11/2024	JM	09:27	MS	2	Yes	No	-	N	N/A	2 MS flying north low above water
Ardcloony PB VP	20/11/2024	JM	09:41	CA	1	Yes	No	-	N	N/A	1 ca flying low above water
Ardcloony PB VP	20/11/2024	JM	10:50	BH	3	Yes	No	-	S	N/A	A small group of BH flying south
Ardcloony PB VP	20/11/2024	JM	11:02	L.	34	Yes	No	-	N/A	N/A	A flock of lapwing flying east
Ardcloony PB VP	20/11/2024	JM	11:53	CA	2	Yes	No	-	N	N/A	2 ca flying low above water
Ardcloony PB VP	20/11/2024	JM	13:12	BH	1	Yes	No	-	S	N/A	Single BH flying
Ardcloony PB VP	20/11/2024	JM	08:30	MS	6	No	Yes	-	N/A	N/A	6 MS swimming
Ardcloony PB VP	20/11/2024	JM	08:52	MA	7	No	Yes	-	N/A	N/A	Swimming and loafing
Ardcloony PB VP	20/11/2024	JM	08:52	WN	12	No	Yes	-	N/A	N/A	Swimming and loafing
Ardcloony PB VP	20/11/2024	JM	08:52	L.	31	No	Yes	-	N/A	N/A	Loafing - possibly part of the same group that was seen flying.
Ardcloony PB VP	20/11/2024	JM	08:57	TU	450	No	Yes	-	N/A	N/A	Approximately 450 TU visible
Ardcloony PB VP	20/11/2024	JM	11:51	GG	1	No	Yes	-	N/A	N/A	Swimming and diving
Ardcloony PB VP	20/11/2024	JM	13:04	CA	1	No	Yes	-	N/A	N/A	Single ca perched
Ardcloony PB VP	20/11/2024	JM	13:27	H.	1	No	Yes	-	N/A	N/A	Single heron on embankment
Clarisford Park PB VP	26/11/2024	JM	07:50	BH	1	Yes	No	-	SW	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	07:54	BH	1	Yes	No	-	SW	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	07:55	BH	1	Yes	Yes	-	SW	N/A	MA circled and eventually landed on the water
Clarisford Park PB VP	26/11/2024	JM	08:32	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	08:38	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	08:58	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	09:09	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	09:24	MA	2	Yes	No	-	SW	Towards Parteen Basin	2 Ma flyover
Clarisford Park PB VP	26/11/2024	JM	09:39	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	26/11/2024	JM	09:48	H.	1	Yes	No	-	NE	N/A	Heron flying
Clarisford Park PB VP	26/11/2024	JM	09:57	BH	1	Yes	No	-	NE	N/A	BH flyover and dip feeding
Clarisford Park PB VP	26/11/2024	JM	09:34	LG	1	No	Yes	-	N/A	N/A	Swimming and diving
Ardcloony PB VP	10/12/2024	JS	8:17	BH	7	Yes	Yes	-	N	N/A	Flew from canal, along West Bank to north of spit
Ardcloony PB VP	10/12/2024	JS	8:30	MS	1	Yes	Yes	-	S	N/A	Left water and flew down canal
Ardcloony PB VP	10/12/2024	JS	8:41	BH	14	Yes	Yes	-	N	N/A	Flew from canal
Ardcloony PB VP	10/12/2024	JS	8:46	BH	13	Yes	Yes	-	N	N/A	Flew from canal
Ardcloony PB VP	10/12/2024	JS	8:48	CA	1	Yes	Yes	-	N	N/A	Flew from canal
Ardcloony PB VP	10/12/2024	JS	9:04	CA	1	Yes	Yes	-	N	N/A	Flew from canal, landed in water to north of spit
Ardcloony PB VP	10/12/2024	JS	9:11	CU	1	Yes	Yes	-	N	N/A	Flew from canal, along West Bank before turning over water and landing on east bank
Ardcloony PB VP	10/12/2024	JS	9:12	BH	12	Yes	Yes	-	N	N/A	Flew from canal
Ardcloony PB VP	10/12/2024	JS	10:01	T.	9	Yes	Yes	-	N	N/A	Flew from canal, along west bank and landed on water near spit
Ardcloony PB VP	10/12/2024	JS	10:15	CU	1	Yes	Yes	-	N	N/A	Flew from canal, along west bank and over spit. Calling
Ardcloony PB VP	10/12/2024	JS	10:26	GN	1	Yes	Yes	-	N	N/A	Male, flew from south of Parteen, and landed in water to north of islands
Ardcloony PB VP	10/12/2024	JS	10:27	BH	4	Yes	Yes	-	N	N/A	Flew from canal, up centre of lake heading towards Killaloe
Ardcloony PB VP	10/12/2024	JS	10:40	BH	4	Yes	Yes	-	N	N/A	Flew from canal, up west bank heading towards Killaloe
Ardcloony PB VP	10/12/2024	JS	10:46	CA	1	Yes	Yes	-	S	N/A	Flew from canal
Ardcloony PB VP	10/12/2024	JS	10:59	CA	1	Yes	Yes	-	S	N/A	Flying very high over water heading down Shannon
Ardcloony PB VP	10/12/2024	JS	8:15	TU	105	No	Yes	-	N/A	N/A	Seen on arrival, feeding and loafing
Ardcloony PB VP	10/12/2024	JS	8:15	CA	3	No	Yes	-	N/A	N/A	Seen on arrival, roosting in tree
Ardcloony PB VP	10/12/2024	JS	8:15	MS	12	No	Yes	-	N/A	N/A	Seen on arrival, feeding and loafing. Scattered over wide area
Ardcloony PB VP	10/12/2024	JS	8:15	L.	21	No	Yes	-	N/A	N/A	Roosting on spit
Ardcloony PB VP	10/12/2024	JS	8:15	MS	2	No	Yes	-	N/A	N/A	Seen on arrival, feeding and loafing. Scattered over wide area
Two Mile Gate LD VP	10/12/2024	JM	08:18	BH	2	Yes	No	-	S	N/A	Flying along the coast dip feeding
Two Mile Gate LD VP	10/12/2024	JM	8:27	CA	1	Yes	No	-	S	N/A	Ca flyover
Two Mile Gate LD VP	10/12/2024	JM	8:46	CA	1	Yes	No	-	S	N/A	Ca flyover
Two Mile Gate LD VP	10/12/2024	JM	09:01	BH	1	Yes	Yes	-	W	N/A	Landed on the shore
Two Mile Gate LD VP	10/12/2024	JM	09:12	BH	1	Yes	No	-	N	N/A	Flying along the coast
Two Mile Gate LD VP	10/12/2024	JM	09:29	CA	1	Yes	No	-	N	N/A	Ca flyover
Two Mile Gate LD VP	10/12/2024	JM	09:41	BH	2	Yes	Yes	-	N	N/A	Flew along the shore and landed on the jetty
Two Mile Gate LD VP	10/12/2024	JM	11:54	BH	1	Yes	No	-	N	N/A	BH flyover
Two Mile Gate LD VP	10/12/2024	JM	13:04	BH	1	Yes	No	-	E	N/A	BH flyover
Two Mile Gate LD VP	10/12/2024	JM	14:00	BH	2	Yes	No	-	N	N/A	BH flyover
Two Mile Gate LD VP	10/12/2024	JM	14:17	CA	1	Yes	No	-	N	N/A	CA flyover
Two Mile Gate LD VP	10/12/2024	JM	08:48	MS	5	No	Yes	-	N/A	N/A	Two adults, three cygnets

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	10/12/2024	JM	09:04	GG	1	No	Yes	-	N/A	N/A	Swimming and diving
Two Mile Gate LD VP	10/12/2024	JM	09:05	MS	7	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	10/12/2024	JM	09:07	MS	3	No	Yes	-	N/A	N/A	Three adults swimming
Two Mile Gate LD VP	10/12/2024	JM	09:19	MA	2	No	Yes	-	N/A	N/A	Loafing and feeding
Two Mile Gate LD VP	10/12/2024	JM	10:45	ND	1	No	Yes	-	N/A	N/A	Diving and swimming
Clarisford Park PB VP	12/12/2024	JM	08:22	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	12/12/2024	JM	08:37	BH	1	Yes	No	-	SW	N/A	BH flyover, dip feeding
Clarisford Park PB VP	12/12/2024	JM	08:38	H	1	Yes	No	-	SE	N/A	Heron flying
Ardcloony PB VP	12/12/2024	JS	10:17	WS	2	Yes	Yes	Yes	N	Towards Lough Derg	First heard calling. Flew north towards Killaloe
Ardcloony PB VP	12/12/2024	JS	10:45	CU	13	Yes	Yes	Yes	N	Towards Parteen Basin	First heard calling. Flew north and landed on spit, where they began to preen
Ardcloony PB VP	12/12/2024	JS	10:59	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from Shannon, heading towards Killaloe
Ardcloony PB VP	12/12/2024	JS	11:06	CU	13	Yes	No	-	S	Towards Lower Shannon	Flew from spit, until oov behind weir
Ardcloony PB VP	12/12/2024	JS	11:38	WS	2	Yes	No	-	S	Towards Lough Derg	Flew south along lake, then turned overland
Ardcloony PB VP	12/12/2024	JS	12:17	BH	11	Yes	No	-	N	Towards Lough Derg	Flew from canal. Slow flight into wind
Ardcloony PB VP	12/12/2024	JS	12:28	CA	2	Yes	No	-	S	Towards Lower Shannon	Flying high over weir and down Shannon
Ardcloony PB VP	12/12/2024	JS	14:02	CA	1	Yes	No	-	N	Towards Parteen Basin	Flew north towards Parteen
Clarisford Park PB VP	12/12/2024	JM	09:12	BH	4	Yes	No	-	N	N/A	BH flyover
Clarisford Park PB VP	12/12/2024	JM	09:15	BH	1	Yes	No	-	S	N/A	BH flying and pond feeding
Clarisford Park PB VP	12/12/2024	JM	09:16	MA	2	Yes	No	-	NE	N/A	Flyover
Clarisford Park PB VP	12/12/2024	JM	09:22	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	12/12/2024	JM	09:35	BH	1	Yes	No	-	S	N/A	flyover
Clarisford Park PB VP	12/12/2024	JM	09:48	KF	1	Yes	No	-	NE	N/A	Flying low over water
Clarisford Park PB VP	12/12/2024	JM	09:55	BH	4	Yes	No	-	S	N/A	BH flying and pond feeding
Clarisford Park PB VP	12/12/2024	JM	10:15	BH	2	Yes	No	-	SW	N/A	Flying
Clarisford Park PB VP	12/12/2024	JM	11:18	BH	1	Yes	No	-	N	N/A	Flyover
Clarisford Park PB VP	12/12/2024	JM	11:39	BH	1	Yes	No	-	S	N/A	Flyover
Clarisford Park PB VP	12/12/2024	JM	11:56	KF	1	Yes	No	-	NE	N/A	Flying low over water
Clarisford Park PB VP	12/12/2024	JM	12:17	BH	1	Yes	No	-	S	N/A	Flying
Clarisford Park PB VP	12/12/2024	JM	12:33	BH	1	Yes	No	-	NE	N/A	BH flyover
Clarisford Park PB VP	12/12/2024	JM	12:47	MA	3	Yes	No	-	E	N/A	Flew across the lake
Clarisford Park PB VP	12/12/2024	JM	12:51	BH	1	Yes	No	-	W	N/A	Flying
Clarisford Park PB VP	12/12/2024	JM	13:13	BH	1	Yes	No	-	S	N/A	flying
Clarisford Park PB VP	12/12/2024	JM	08:39	MS	5	No	Yes	-	N/A	N/A	Swimming and feeding
Ardcloony PB VP	12/12/2024	JS	10:00	TU	65	No	Yes	-	N/A	N/A	Seen on arrival, feeding and loafing.
Ardcloony PB VP	12/12/2024	JS	10:00	GJ	30	No	No	-	N/A	N/A	Seen on arrival, feeding.
Ardcloony PB VP	12/12/2024	JS	10:00	SN	3	No	No	-	N/A	N/A	Seen on arrival, feeding.
Ardcloony PB VP	12/12/2024	JS	11:05	GE	1	No	Yes	-	N/A	N/A	Seen feeding and preening, near spit
Clarisford Park PB VP	12/12/2024	JM	08:50	TU	250	No	Yes	-	N/A	N/A	Approximately 250 TU swimming and diving
Clarisford Park PB VP	12/12/2024	JM	08:50	GN	16	No	No	-	N/A	N/A	Swimming and diving
Clarisford Park PB VP	12/12/2024	JM	08:54	WS	7	No	No	-	N/A	N/A	Two adults and five cygnets
Clarisford Park PB VP	12/12/2024	JM	08:56	KF	1	No	Yes	-	N/A	N/A	Perched on the rock
Clarisford Park PB VP	12/12/2024	JM	09:19	LG	3	No	Yes	-	N/A	N/A	Swimming and diving
Clarisford Park PB VP	12/12/2024	JM	09:50	GG	1	No	Yes	-	N/A	N/A	Swimming and diving
Flanagans LD VP	17/12/2024	RA	08:24	BH	2	Yes	Yes	-	S	Towards Parteen Basin	Landed on pontoons
Flanagans LD VP	17/12/2024	RA	08:31	CA	1	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	08:32	BH	2	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	08:34	BH	2	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	08:37	BH	1	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	08:47	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	08:47	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	08:52	CA	1	Yes	No	-	SE	Towards Parteen Basin	Heading NW before turning and circling back
Flanagans LD VP	17/12/2024	RA	08:56	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	08:57	H.	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	09:06	BH	1	Yes	No	-	N	N/A	Flew over VP
Flanagans LD VP	17/12/2024	RA	09:09	BH	1	Yes	No	-	NW	Towards Lough Derg	Flew over VP
Flanagans LD VP	17/12/2024	RA	09:21	CA	1	Yes	No	-	NW	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	09:24	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	09:29	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	09:30	LB	2	Yes	No	-	NW	Towards Lough Derg	Circled and headed back north
Flanagans LD VP	17/12/2024	RA	09:34	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	09:34	LB	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	09:41	K.	1	Yes	No	-	NW	Towards Lough Derg	Circled briefly over water
Flanagans LD VP	17/12/2024	RA	09:44	BH	1	Yes	Yes	-	N	Towards Lough Derg	Landed on pontoon

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	17/12/2024	RA	09:48	BH	1	Yes	Yes	-	S	Towards Parteen Basin	Landed on buoy
Flanagans LD VP	17/12/2024	RA	09:54	BH	2	Yes	Yes	-	S	Towards Parteen Basin	Landed on buoy
Flanagans LD VP	17/12/2024	RA	10:09	BH	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	10:14	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	10:30	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	10:34	MA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	10:48	BH	1	Yes	No	-	NW	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	10:52	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	11:03	BH	8	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	11:48	BH	3	Yes	Yes	-	S	N/A	Landed in water
Flanagans LD VP	17/12/2024	RA	11:50	BH	5	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	11:53	BH	1	Yes	No	-	S	Towards Parteen Basin	Circled back
Flanagans LD VP	17/12/2024	RA	10:57	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	12:09	BH	1	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	12:11	BH	2	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	12:18	BH	2	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	12:18	H.	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	12:39	BH	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	12:49	BH	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	12:59	BH	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	13:01	BH	1	Yes	No	-	W	N/A	Towards Killaloe
Flanagans LD VP	17/12/2024	RA	13:05	BH	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	13:06	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	13:10	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	17/12/2024	RA	13:27	CA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	13:30	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	13:30	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	13:48	BH	2	Yes	Yes	-	SE	Towards Parteen Basin	Landed on buoys
Flanagans LD VP	17/12/2024	RA	14:02	BH	1	Yes	Yes	-	S	Towards Parteen Basin	Landed on water
Flanagans LD VP	17/12/2024	RA	14:02	BH	7	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	14:02	BH	1	Yes	Yes	-	S	Towards Parteen Basin	Landed on water
Flanagans LD VP	17/12/2024	RA	14:02	BH	7	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	14:23	BH	5	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	14:29	BH	1	Yes	No	-	S	Towards Parteen Basin	Circled back south
Flanagans LD VP	17/12/2024	RA	14:32	BH	1	Yes	No	-	S	Towards Parteen Basin	
Flanagans LD VP	17/12/2024	RA	09:20	BH	7	No	Yes	-	N/A	N/A	Perched on buoys
Flanagans LD VP	17/12/2024	RA	11:59	MS	2	No	Yes	-	N/A	N/A	
Flanagans LD VP	17/12/2024	RA	13:50	BH	11	No	Yes	-	N/A	N/A	Perched on buoys
Ardcloony PB VP	10/12/2024	JM	14:54	BH	24	Yes	No	-	N	Towards Lough Derg	Group flying north
Ardcloony PB VP	20/01/2025	JM	15:11	BH	3	Yes	No	-	N	Towards Lough Derg	Flying north
Ardcloony PB VP	20/01/2025	JM	15:35	H.	1	Yes	No	-	S	N/A	H. Flyover
Ardcloony PB VP	20/01/2025	JM	15:44	BH	6	Yes	No	-	N	N/A	Small group flying north
Ardcloony PB VP	20/01/2025	JM	15:49	GJ	16	Yes	No	-	N	Towards Lower Shannon	A group flying north
Ardcloony PB VP	20/01/2025	JM	16:30	MA	12	Yes	No	-	N	Towards Lough Derg	Flying north
Ardcloony PB VP	20/01/2025	JM	16:45	CA	1	Yes	No	-	S	Towards Lower Shannon	Flying very high over water heading down Shannon
Ardcloony PB VP	20/01/2025	JM	14:20	MS	3	No	Yes	-	N/A	N/A	Feeding and swimming
Ardcloony PB VP	20/01/2025	JM	14:20	MS	2	No	Yes	-	N/A	N/A	Feeding and swimming
Ardcloony PB VP	20/01/2025	JM	14:20	MS	2	No	Yes	-	N/A	N/A	Feeding and swimming
Ardcloony PB VP	20/01/2025	JM	14:20	TU	33	No	Yes	-	N/A	N/A	Seen on arrival, feeding and loafing.
Ardcloony PB VP	20/01/2025	JM	14:20	BH	16	No	Yes	-	N/A	N/A	Seen on arrival, loafing
Ardcloony PB VP	20/01/2025	JM	14:20	L.	1	No	Yes	-	N/A	N/A	Seen on arrival, loafing
Ardcloony PB VP	20/01/2025	JM	14:20	CA	28	No	Yes	-	N/A	N/A	Seen on arrival, roosting in tree
Ardcloony PB VP	20/01/2025	JM	16:00	GL	1	No	Yes	-	N/A	N/A	
Flanagans LD VP	21/01/2025	JS	10:54	BH	10	Yes	Yes	-	N	Towards Lough Derg	Left buoy in loose flock and flew slowly north
Flanagans LD VP	21/01/2025	JS	12:00	BH	17	Yes	No	-	S	Towards Lough Derg	Flew from south and landed on buoys
Flanagans LD VP	21/01/2025	JS	12:53	CA	1	Yes	No	-	S	Towards Parteen Basin	Commuting down river
Flanagans LD VP	21/01/2025	JS	12:26	CA	1	Yes	No	-	N	Towards Lough Derg	Commuting along river
Flanagans LD VP	21/01/2025	JS	13:05	BH	3	Yes	No	-	N	Towards Lough Derg	Commuting along river
Clarisford Park PB VP	21/01/2025	JS	14:47	MS	1	Yes	No	-	N	Towards Lough Derg	Commuting up towards Killaloe
Clarisford Park PB VP	21/01/2025	JS	14:54	GJ	24	Yes	No	-	N	Towards Parteen Basin	Flew from south landed in Parteen
Flanagans LD VP	21/01/2025	JS	10:30	BH	13	No	Yes	-	N/A	N/A	Perched on buoys
Clarisford Park PB VP	21/01/2025	JS	14:00	GN	11	No	Yes	-	N/A	N/A	Seen on arrival
Clarisford Park PB VP	21/01/2025	JS	14:00	MS	3	No	Yes	-	N/A	N/A	Seen on arrival
Two Mile Gate LD VP	21/01/2025	RA	10:59	BH	2	Yes	No	-	N	Towards Lough Derg	Flew along West Bank over VP
Two Mile Gate LD VP	21/01/2025	RA	11:05	BH	1	Yes	No	-	N	Towards Lough Derg	Flew over VP. Difficult to see with fog

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	21/01/2025	RA	11:29	BH	4	Yes	No	-	W	Towards Lough Derg	Flew over VP and landed in water beside VP
Two Mile Gate LD VP	21/01/2025	RA	11:33	BH	1	Yes	No	-	E	Towards Lough Derg	Bearing E. lost in fog
Two Mile Gate LD VP	21/01/2025	RA	11:41	BH	5	Yes	No	Yes	N	Towards Lough Derg	Calling and circling before heading north
Two Mile Gate LD VP	21/01/2025	RA	11:43	CA	1	Yes	No	-	SW	Towards Lower Shannon	Disappeared into fog
Two Mile Gate LD VP	21/01/2025	RA	11:43	ET	1	Yes	No	-	E	Towards Lower Shannon	Disappeared into fog
Two Mile Gate LD VP	21/01/2025	RA	11:52	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	11:58	CM	1	Yes	No	-	S	Towards Lower Shannon	Disappeared into fog
Two Mile Gate LD VP	21/01/2025	RA	12:00	CA	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	12:00	BH	1	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	12:09	BH	1	Yes	No	-	S	Towards Lower Shannon	Flew over VP. Difficult to see with fog
Two Mile Gate LD VP	21/01/2025	RA	12:12	BH	1	Yes	No	-	S	Towards Lower Shannon	Difficult to see with fog
Two Mile Gate LD VP	21/01/2025	RA	12:37	CA	1	Yes	Yes	-	N	Towards Lough Derg	Landed in water
Two Mile Gate LD VP	21/01/2025	RA	12:47	BH	1	Yes	Yes	-	W	Towards Lough Derg	Landed in water
Two Mile Gate LD VP	21/01/2025	RA	12:50	ET	1	Yes	No	-	W	Towards Lough Derg	Disappeared behind reeds
Two Mile Gate LD VP	21/01/2025	RA	12:54	BH	1	Yes	No	-	N	Towards Lough Derg	Disappeared behind VP
Two Mile Gate LD VP	21/01/2025	RA	13:00	LB	1	Yes	No	-	S	Towards Lower Shannon	Disappeared behind trees
Two Mile Gate LD VP	21/01/2025	RA	13:00	CA	2	Yes	No	-	N	Towards Lough Derg	Disappeared behind trees
Two Mile Gate LD VP	21/01/2025	RA	13:10	CA	1	Yes	Yes	-	N	Towards Lough Derg	Landed on water
Two Mile Gate LD VP	21/01/2025	RA	13:18	MA	7	Yes	Yes	-	W	Towards Lough Derg	Landed on water
Two Mile Gate LD VP	21/01/2025	RA	14:23	BH	2	Yes	No	-	E	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	14:36	MA	2	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	14:51	BH	7	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	14:54	ET	1	Yes	No	-	W	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	14:57	BH	2	Yes	No	-	N	Towards Lough Derg	Headed south before circling and heading back north
Two Mile Gate LD VP	21/01/2025	RA	15:02	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:02	ET	1	Yes	Yes	-	W	Towards Lough Derg	Landed on shore
Two Mile Gate LD VP	21/01/2025	RA	15:17	BH	3	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:12	CA	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:15	CA	1	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	15:21	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:15	CA	1	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	15:21	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:25	BH	1	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:35	MA	5	Yes	No	-	W	Towards Lough Derg	Disappeared around corner. Flushed
Two Mile Gate LD VP	21/01/2025	RA	15:35	BH	5	Yes	No	-	S	Towards Lough Derg	Calling loudly and landed on water
Two Mile Gate LD VP	21/01/2025	RA	15:41	BH	1	Yes	No	-	N	Towards Lough Derg	Moved from water north
Two Mile Gate LD VP	21/01/2025	RA	15:43	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:46	BH	2	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	15:47	MA	2	Yes	No	-	W	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	15:48	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:49	BH	5	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	15:57	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	16:00	BH	2	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	16:04	BH	1	Yes	No	-	N	Towards Lower Shannon	Moved from pontoon around corner
Two Mile Gate LD VP	21/01/2025	RA	16:13	BH	1	Yes	No	-	N	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	16:17	BH	4	Yes	No	-	S	Towards Lower Shannon	
Two Mile Gate LD VP	21/01/2025	RA	16:19	BH	1	Yes	Yes	-	E	N/A	Landed on shore
Two Mile Gate LD VP	21/01/2025	RA	16:24	BH	1	Yes	No	-	N	N/A	
Two Mile Gate LD VP	21/01/2025	RA	16:27	MA	4	Yes	Yes	-	SE	N/A	Landed on water
Two Mile Gate LD VP	21/01/2025	RA	16:38	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	16:43	BH	1	Yes	No	-	E	N/A	
Two Mile Gate LD VP	21/01/2025	RA	16:46	BH	2	Yes	Yes	-	NE	N/A	Moved from water around corner
Two Mile Gate LD VP	21/01/2025	RA	16:50	MS	1	Yes	Yes	-	NE	N/A	Moved from water around corner
Two Mile Gate LD VP	21/01/2025	RA	16:54	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	16:55	BH	9	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	16:59	BH	78	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	17:00	MS	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	17:04	BH	2	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	17:05	BH	5	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	17:07	BH	4	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	17:10	MA	2	Yes	Yes	-	NE	Towards Lough Derg	Moved from water around corner
Two Mile Gate LD VP	21/01/2025	RA	17:12	BH	15	Yes	No	-	N	Towards Lough Derg	
Two Mile Gate LD VP	21/01/2025	RA	12:07	MS	4	No	Yes	-	N/A	N/A	On water
Two Mile Gate LD VP	21/01/2025	RA	12:07	ET	1	No	Yes	-	N/A	N/A	On water
Two Mile Gate LD VP	21/01/2025	RA	12:20	BH	8	No	Yes	-	N/A	N/A	On water

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	21/01/2025	RA	12:23	MS	1	No	Yes	-	N/A	N/A	On water
Two Mile Gate LD VP	21/01/2025	RA	15:04	MA	10	No	Yes	-	N/A	N/A	
Two Mile Gate LD VP	21/01/2025	RA	15:31	CA	1	No	Yes	-	N/A	N/A	
Two Mile Gate LD VP	21/01/2025	RA	15:56	GJ	12	No	Yes	-	N/A	N/A	
Ardcloony PB VP	22/01/2025	JM	08:22	GJ	15	Yes	No	-	SW	N/A	A group of GJ flying SW
Ardcloony PB VP	22/01/2025	JM	08:32	GJ	21	Yes	No	-	SW	N/A	A group of GJ flying SW
Ardcloony PB VP	22/01/2025	JM	08:40	MA	2	Yes	No	-	N	N/A	Flying NW
Ardcloony PB VP	22/01/2025	JM	10:38	MA	5	Yes	No	-	N/A	N/A	Circling
Ardcloony PB VP	22/01/2025	JM	10:14	CA	1	Yes	No	-	SW	N/A	CA flyover
Ardcloony PB VP	22/01/2025	JM	08:45	BH	1	Yes	No	-	S	Towards Lough Derg	BH flyover
Ardcloony PB VP	22/01/2025	JM	09:18	BH	1	Yes	No	-	S	Towards Lough Derg	BH flyover
Ardcloony PB VP	22/01/2025	JM	10:07	BH	1	Yes	No	-	N	Towards Lough Derg	BH flyover
Ardcloony PB VP	22/01/2025	JM	10:52	BH	3	Yes	No	-	S	Towards Lower Shannon	BH flyover
Ardcloony PB VP	22/01/2025	JM	11:13	BH	2	Yes	No	-	N	N/A	BH flyover
Ardcloony PB VP	22/01/2025	JM	08:20	MS	6	No	Yes	-	N/A	N/A	Swimming, seen on arrival
Ardcloony PB VP	22/01/2025	JM	10:36	L.	30	No	Yes	-	N/A	N/A	loafing
Ardcloony PB VP	22/01/2025	JM	08:20	BH	16	No	Yes	-	N/A	N/A	Seen on arrival, loafing
Ardcloony PB VP	22/01/2025	JM	10:36	CU	11	No	Yes	-	N/A	N/A	Loafing
Ardcloony PB VP	23/01/2025	JM	09:27	CA	1	Yes	No	-	NW	N/A	Ca flyover
Ardcloony PB VP	23/01/2025	JM	11:47	CA	1	Yes	No	-	N	N/A	Ca flyover
Clarisford Park PB VP	23/01/2025	JS	11:02	LB	2	Yes	No	-	S	Towards Lower Shannon	Low of water commuting south
Clarisford Park PB VP	23/01/2025	JS	12:07	BZ	1	Yes	No	-	S	N/A	Low overwater due to wind. Flew oov over forest
Clarisford Park PB VP	23/01/2025	JS	12:32	CA	1	Yes	No	-	N	N/A	Flying into wind until turning
Clarisford Park PB VP	23/01/2025	JS	12:54	MS	1	Yes	No	-	S	Towards Parteen Basin	Flew from Killaloe and landed in water
Flanagans LD VP	23/01/2025	JS	14:03	BH	12	Yes	No	-	N	Towards Lough Derg	Commuting along river
Flanagans LD VP	23/01/2025	JS	14:23	BH	4	Yes	Yes	-	N	N/A	Landed on buoys
Flanagans LD VP	23/01/2025	JS	14:45	BH	17	Yes	No	-	N	Towards Lough Derg	Loose flock commuting along river
Flanagans LD VP	23/01/2025	JS	15:09	CA	1	Yes	No	-	N	Towards Lough Derg	Commuting high over water
Flanagans LD VP	23/01/2025	JS	15:12	CA	1	Yes	No	-	N	Towards Lough Derg	Commuting high over water
Flanagans LD VP	23/01/2025	JS	15:57	CA	1	Yes	No	-	S	Towards Parteen Basin	Commuting high over water
Two Mile Gate LD VP	18/02/2025	JS	11:24	CA	1	Yes	Yes	-	S	Towards Parteen Basin	Left water and flew low. Flying into wind
Two Mile Gate LD VP	18/02/2025	JS	11:56	ET	1	Yes	No	-	SE	Towards Lough Derg	Slow flight, flying into wind
Two Mile Gate LD VP	18/02/2025	JS	12:12	CA	1	Yes	No	-	SW	N/A	Flew from upper Lough Derg and over woods
Two Mile Gate LD VP	18/02/2025	JS	12:23	BH	1	Yes	No	-	NW	N/A	Flying into wind until turning over woods
Two Mile Gate LD VP	18/02/2025	JS	15:09	CA	1	Yes	No	-	N	N/A	Flying into wind until turning and landing in water
Two Mile Gate LD VP	18/02/2025	JS	16:11	BH	12	Yes	No	-	SW	N/A	Loose flock flying over lake and woodland
Two Mile Gate LD VP	18/02/2025	JS	16:44	CA	1	Yes	No	-	N	Towards Lough Derg	Flew from south fast over water heading north
Two Mile Gate LD VP	18/02/2025	JS	17:13	BH	20	Yes	No	-	NW	Towards Lough Derg	Loose flock flying over lake and woodland
Flanagans LD VP	19/02/2025	RA	07:21	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	07:23	BH	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	07:29	BH	4	Yes	Yes	-	NW	Towards Lough Derg	Flew from buoy upstream
Flanagans LD VP	19/02/2025	RA	07:30	CA	2	Yes	No	-	N	Towards Lough Derg	Flew over VP
Flanagans LD VP	19/02/2025	RA	07:40	BH	2	Yes	Yes	-	SE	N/A	Landed on buoy
Flanagans LD VP	19/02/2025	RA	07:42	MA	2	Yes	No	-	SE	N/A	Disappeared behind wall, likely landed in old canal
Flanagans LD VP	19/02/2025	RA	07:45	BH	1	Yes	No	-	SE	N/A	
Flanagans LD VP	19/02/2025	RA	08:01	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	08:07	BH	5	Yes	Yes	-	N/A	N/A	Landed on buoys
Flanagans LD VP	19/02/2025	RA	08:13	MA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	08:16	BH	2	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	08:23	BH	22	Yes	Yes	-	SE	Towards Lower Shannon	Flew from L.D and landed in water and on buoys in front of VP
Flanagans LD VP	19/02/2025	RA	08:29	CA	1	Yes	No	-	NW	Towards Lough Derg	Flew over trees and road on far side of VP
Flanagans LD VP	19/02/2025	RA	08:34	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	08:36	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	08:39	MA	2	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	08:46	CA	1	Yes	Yes	-	S	Towards Parteen Basin	Landed in water in front of bridge
Flanagans LD VP	19/02/2025	RA	08:53	BH	4	Yes	Yes	-	S	Towards Parteen Basin	Landed on buoys
Flanagans LD VP	19/02/2025	RA	08:59	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	09:08	BH	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	09:09	BH	1	Yes	Yes	-	SE	Towards Parteen Basin	Flew from water towards Parteen
Flanagans LD VP	19/02/2025	RA	09:13	BH	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	09:28	CA	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	09:35	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	09:39	BH	2	Yes	Yes	-	SE	Towards Parteen Basin	Landed on buoy

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Flanagans LD VP	19/02/2025	RA	09:40	BH	1	Yes	Yes	-	SE	Towards Parteen Basin	Landed on buoy
Flanagans LD VP	19/02/2025	RA	09:52	BH	6	Yes	Yes	-	SE	Towards Lower Shannon	Landed in water
Flanagans LD VP	19/02/2025	RA	09:52	BH	1	Yes	No	-	N	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	09:57	BH	5	Yes	Yes	-	SE	Towards Lower Shannon	Landed on buoys and in water
Flanagans LD VP	19/02/2025	RA	10:05	BH	27	Yes	Yes	-	SE	Towards Parteen Basin	Landed in water in front of VP
Flanagans LD VP	19/02/2025	RA	10:08	BH	7	Yes	Yes	-	NW	Towards Lough Derg	Flushed from buoys and headed NW
Flanagans LD VP	19/02/2025	RA	10:52	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	11:20	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	10:26	BH	1	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	11:29	BH	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	11:35	BH	5	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	11:36	CA	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	11:51	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	12:15	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	12:19	BH	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	12:31	BH	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	12:40	BH	3	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	12:44	BH	1	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	12:54	BH	3	Yes	No	-	NW	Towards Lough Derg	
Flanagans LD VP	19/02/2025	RA	12:54	BH	13	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	13:15	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	13:20	BH	14	Yes	No	-	SE	Towards Parteen Basin	
Flanagans LD VP	19/02/2025	RA	13:30	BH	2	Yes	No	-	SE	Towards Parteen Basin	
Ardcloony PB VP	19/02/2025	JS	7:48	H.	1	Yes	No	-	E	N/A	Flew over lake until oov
Ardcloony PB VP	19/02/2025	JS	7:59	CU	8	Yes	Yes	-	S	N/A	Left spit and landed on east bank
Ardcloony PB VP	19/02/2025	JS	8:14	CA	1	Yes	No	-	S	Towards Lower Shannon	Flew down river
Ardcloony PB VP	19/02/2025	JS	8:23	CA	1	Yes	No	-	S	Towards Lower Shannon	Flew down river
Ardcloony PB VP	19/02/2025	JS	8:27	BH	40	Yes	No	-	S	Towards Lough Derg	Large flock seen circling until drifting north oov
Ardcloony PB VP	19/02/2025	JS	8:53	GJ	2	Yes	Yes	-	S	Towards Lower Shannon	Left water and flew overland
Ardcloony PB VP	19/02/2025	JS	9:01	GJ	2	Yes	Yes	-	S	Towards Lower Shannon	Left water and flew down canal
Ardcloony PB VP	19/02/2025	JS	9:10	GJ	3	Yes	Yes	-	S	Towards Lower Shannon	Left water and flew down canal
Ardcloony PB VP	19/02/2025	JS	9:26	CA	1	Yes	Yes	-	N	Towards Lough Derg	Flew from river heading upstream
Ardcloony PB VP	19/02/2025	JS	9:46	CA	1	Yes	Yes	-	N	Towards Lough Derg	Left island and flew down river
Ardcloony PB VP	19/02/2025	JS	10:17	ET	1	Yes	Yes	-	S	N/A	Flew along east bank and landed
Ardcloony PB VP	19/02/2025	JS	10:31	CA	1	Yes	Yes	-	N	Towards Lough Derg	Flew from river heading upstream
Clarisford Park PB VP	19/02/2025	JS	11:44	BH	2	Yes	No	-	S	Towards Lower Shannon	Circling and then drifted south
Clarisford Park PB VP	19/02/2025	JS	12:53	MA	2	Yes	No	-	N	Towards Lough Derg	Male and female flying fast heading upstream
Clarisford Park PB VP	19/02/2025	JS	12:09	BH	3	Yes	No	-	S	Towards Lower Shannon	Slowly drifting south into wind
Clarisford Park PB VP	19/02/2025	JS	13:23	BH	1	Yes	No	-	S	Towards Lower Shannon	Slowly drifting south into wind
Flanagans LD VP	19/02/2025	RA	07:29	BH	29	No	Yes	-	N/A	N/A	Perched on buoys
Flanagans LD VP	19/02/2025	RA	11:52	BH	7	No	Yes	-	N/A	N/A	Perched on buoys
Ardcloony PB VP	19/02/2025	JS	7:45	CA	4	No	Yes	-	N/A	N/A	Roosting on wooded island
Ardcloony PB VP	19/02/2025	JS	7:45	MS	2	No	Yes	-	N/A	N/A	Seen on arrival
Ardcloony PB VP	19/02/2025	JS	7:45	MS	2	No	Yes	-	N/A	N/A	Seen on arrival
Ardcloony PB VP	19/02/2025	JS	7:45	MS	2	No	Yes	-	N/A	N/A	Seen on arrival
Ardcloony PB VP	19/02/2025	JS	7:45	GJ	14	No	Yes	-	N/A	N/A	Seen on arrival
Ardcloony PB VP	19/02/2025	JS	7:45	CU	8	No	Yes	-	N/A	N/A	Seen on arrival
Ardcloony PB VP	20/02/2025	JS	11:36	CA	2	Yes	No	-	S	Towards Lower Shannon	Slowly drifting south into wind and over weir down river
Ardcloony PB VP	20/02/2025	JS	12:34	CA	1	Yes	No	-	S	Towards Lower Shannon	Slowly drifting south into wind and over weir down river
Clarisford Park PB VP	11/03/2025	JS	7:05	BH	22	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	7:32	CA	2	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	7:46	CA	1	Yes	Yes	-	N	Towards Parteen Basin	Landed in water
Clarisford Park PB VP	11/03/2025	JS	8:18	ET	1	Yes	No	-	N	N/A	Low over water commuting across lake
Clarisford Park PB VP	11/03/2025	JS	8:54	BH	3	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	8:57	LB	2	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	9:20	CA	1	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	9:31	MS	1	Yes	Yes	-	N	Towards Parteen Basin	Flew from Killaloe direction Landed in water
Clarisford Park PB VP	11/03/2025	JS	10:30	KF	2	Yes	No	Yes	W	N/A	Pair calling as the flew past VP
Clarisford Park PB VP	11/03/2025	JS	10:45	CA	2	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	11:12	BH	11	Yes	No	-	N	Towards Lough Derg	Flying upstream. Loose flock
Clarisford Park PB VP	11/03/2025	JS	11:53	PE	1	Yes	No	-	E	N/A	Carrying prey, flew over water then began circling over wood, until oov due to sun
Clarisford Park PB VP	11/03/2025	JS	12:02	CA	2	Yes	No	-	N	Towards Lough Derg	Flying upstream
Clarisford Park PB VP	11/03/2025	JS	12:10	LB	3	Yes	No	-	N	Towards Lough Derg	Flying upstream

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Clarisford Park PB VP	11/03/2025	JS	12:38	KF	1	Yes	No	Yes	E	N/A	calling as the flew past VP
Clarisford Park PB VP	11/03/2025	JS	13:15	CA	1	Yes	Yes	-	S	Towards Parteen Basin	Flew from Killaloe and landed in water
Clarisford Park PB VP	11/03/2025	JS	7:00	MS	2	No	Yes	-	N/A	N/A	On edge of water
Clarisford Park PB VP	11/03/2025	JS	7:00	MS	2	No	Yes	-	N/A	N/A	On edge of water
Clarisford Park PB VP	11/03/2025	JS	7:00	GG	2	No	Yes	-	N/A	N/A	On water
Ardcloony PB VP	25/03/2025	JS	12:36	MS	1	Yes	Yes	-	S	Towards Parteen Basin	Low flight over water and landed
Ardcloony PB VP	25/03/2025	JS	12:46	CA	1	Yes	No	-	S	Towards Lower Shannon	Commuting flight
Ardcloony PB VP	25/03/2025	JS	13:18	CA	1	Yes	No	-	S	Towards Lower Shannon	Commuting flight
Ardcloony PB VP	25/03/2025	JS	13:22	BH	1	Yes	No	-	N	Towards Lough Derg	Commuting flight
Ardcloony PB VP	25/03/2025	JS	13:50	BH	1	Yes	No	-	N	Towards Lough Derg	Commuting flight
Ardcloony PB VP	25/03/2025	JS	14:34	MA	2	Yes	No	-	SE	N/A	M + F flew east over land
Ardcloony PB VP	25/03/2025	JS	15:03	CA	1	Yes	No	-	S	Towards Lower Shannon	Commuting flight
Ardcloony PB VP	25/03/2025	JS	16:07	GJ	2	Yes	Yes	Yes	E	Towards Parteen Basin	Flew up from river calling and landed on east bank
Ardcloony PB VP	25/03/2025	JS	16:45	H.	1	Yes	No	-	W	N/A	Commuting across lake
Ardcloony PB VP	25/03/2025	JS	16:47	CA	2	Yes	Yes	-	N	Towards Parteen Basin	Flew up from river and landed on wooded island to roost
Ardcloony PB VP	25/03/2025	JS	17:16	CA	3	Yes	Yes	-	N	Towards Parteen Basin	Flew up from canal and landed on wooded island to roost
Ardcloony PB VP	25/03/2025	JS	17:49	ET	3	Yes	Yes	-	S	Towards Parteen Basin	Flew up from north landed on wooded island to roost
Ardcloony PB VP	25/03/2025	JS	18:10	LB	1	Yes	No	-	N	Towards Lough Derg	Commuting flight
Ardcloony PB VP	25/03/2025	JS	18:21	CA	1	Yes	Yes	-	N	Towards Parteen Basin	Flew up from canal and landed on wooded island to roost
Ardcloony PB VP	25/03/2025	JS	18:27	GJ	2	Yes	Yes	-	N	Towards Parteen Basin	Left east bank and landed in water near islands
Ardcloony PB VP	25/03/2025	JS	18:27	GJ	5	Yes	Yes	Yes	N	Towards Parteen Basin	Flew up from river calling and landed on water near islands
Ardcloony PB VP	25/03/2025	JS	18:56	GJ	3	Yes	Yes	Yes	N	Towards Parteen Basin	Flew up from river calling and landed on water near islands
Ardcloony PB VP	25/03/2025	JS	12:30	MS	4	No	Yes	-	N/A	N/A	Seen on arrival
Two Mile Gate LD VP	26/03/2025	EP	12:35	MA	4	No	Yes	-	N/A	N/A	Roosting on dock
Two Mile Gate LD VP	26/03/2025	EP	12:36	BH	5	No	Yes	-	N/A	N/A	Swimming
Two Mile Gate LD VP	26/03/2025	EP	12:44	MS	2	No	Yes	-	N/A	N/A	Swimming
Two Mile Gate LD VP	26/03/2025	EP	12:47	ET	1	No	Yes	-	N/A	N/A	Foraging along bank
Two Mile Gate LD VP	26/03/2025	EP	12:52	GG	1	No	Yes	-	N/A	N/A	Swimming
Two Mile Gate LD VP	26/03/2025	EP	12:53	MS	2	No	Yes	-	N/A	N/A	Foraging
Two Mile Gate LD VP	26/03/2025	EP	13:04	GJ	1	No	Yes	-	N/A	N/A	Swimming
Flanagans LD VP	26/03/2025	JS	7:07	H.	1	Yes	No	-	S	Towards Parteen Basin	Commuting flight
Flanagans LD VP	26/03/2025	JS	8:11	MA	2	Yes	Yes	-	S	Towards Parteen Basin	Left water and flew south
Two Mile Gate LD VP	26/03/2025	EP	12:42	MA	2	Yes		-	NE	N/A	
Two Mile Gate LD VP	26/03/2025	EP	12:46	CA	2	Yes		-	N	Towards Lough Derg	
Two Mile Gate LD VP	26/03/2025	EP	12:56	BH	4	Yes		-	N	Towards Lough Derg	
Two Mile Gate LD VP	26/03/2025	EP	13:01	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	13:02	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	13:09	CM	1	Yes		-	N	Towards Lough Derg	
Two Mile Gate LD VP	26/03/2025	EP	13:13	BH	2	Yes		-	S	N/A	
Two Mile Gate LD VP	26/03/2025	EP	13:16	BH	15	Yes		-	N	Towards Lough Derg	
Two Mile Gate LD VP	26/03/2025	EP	13:17	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	13:37	BH	1	Yes		-	N	Towards Lough Derg	
Two Mile Gate LD VP	26/03/2025	EP	14:13	CM	1	Yes		-	W	N/A	
Two Mile Gate LD VP	26/03/2025	EP	14:18	BH	2	Yes	Yes	-	SW	N/A	Landed on water
Two Mile Gate LD VP	26/03/2025	EP	14:26	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	14:47	CA	3	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	14:49	CA	1	Yes		-	E	N/A	
Two Mile Gate LD VP	26/03/2025	EP	14:59	GL	1	Yes		-	NW	N/A	
Two Mile Gate LD VP	26/03/2025	EP	16:09	CA	2	Yes		-	E	N/A	
Two Mile Gate LD VP	26/03/2025	EP	16:19	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	16:27	CA	2	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	16:33	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	16:44	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	17:22	CA	6	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	17:32	BZ	1	Yes		-	E	N/A	
Two Mile Gate LD VP	26/03/2025	EP	17:41	BH	2	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	17:43	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	17:44	GL	1	Yes		Yes	NW	N/A	Flying and calling
Two Mile Gate LD VP	26/03/2025	EP	17:57	BH	6	Yes		-	N	Towards Lough Derg	
Two Mile Gate LD VP	26/03/2025	EP	18:01	BH	1	Yes		-	N	Towards Lough Derg	

Location	Date	Observer	Observation Time	BTO Code	Number	Flying	Perch/On Water	Calling	Bearing	Direction	Notes
Two Mile Gate LD VP	26/03/2025	EP	18:07	CA	2	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	18:33	CA	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	18:39	CM	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	18:41	BH	1	Yes		-	S	Towards Lower Shannon	
Two Mile Gate LD VP	26/03/2025	EP	18:47	SL	5	Yes		-	S	Towards Lower Shannon	
Flanagans LD VP	26/03/2025	JS	10:42	CA	3	Yes		-	N	Towards Lough Derg	Commuting flight upstream
Flanagans LD VP	26/03/2025	JS	11:19	BH	7	Yes		-	S	Towards Parteen Basin	Commuting flight upstream
Flanagans LD VP	26/03/2025	JS	11:57	BH	2	Yes		-	S	Towards Parteen Basin	Commuting flight upstream
Flanagans LD VP	26/03/2025	JS	12:26	LB	2	Yes		-	N	Towards Parteen Basin	Commuting flight upstream

Corridor Vantage Point Survey Results 2024/2025:

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
TPR VP	18/10/2024	JS	9:02	LB	1	BC1	Yes	30	15	SE	Flew over area
TPR VP	18/10/2024	JS	9:35	K.	1	BC1	Yes	77	15	N	Mobbed by RO
TPR VP	18/10/2024	JS	10:38	LB	1	BC1	Yes	30	15	S	Flew over area
TPR VP	18/10/2024	JS	10:38	BH	4	BC1	Yes	30	15	S	Flew over area
TPR VP	18/10/2024	JS	11:59	K.	1	BC1	Yes	40	5	N	Low over ground
TPR VP	18/10/2024	JS	12:23	K.	1	BC1	Yes	35	5	N	Low over ground
TPR VP	18/10/2024	JS	12:43	PE	1	BC1	Yes	55	5	N	Low over ground, flying into wind and hunting
BPS VP	21/10/2024	JS	16:09	BZ	1	GA1	Yes	25	10	S	Flew over fields
BTP VP	23/10/2024	JS	12:09	BZ	1	BC1	Yes	40	15	NW	Flew over area calling
WTP VP	23/10/2024	JM	09:19	BZ	1	GA1, WL1, WL2	Yes	52	6	E	Single BZ, small - potential male/juvenile, hunting
RWI&PS VP	24/10/2024	JM	12:22	BH	1	GA1, WL1, WL2	Yes	45	5	S	Single BH flyover
RWI&PS VP	24/10/2024	JM	14:25	BZ	1	GA1, WL1, WL2	Yes	87	15	N/A	Buzzard circling,
RWI&PS VP	24/10/2024	JM	14:34	ET	1	GA1, WL2	Yes	24	6	E	Single ET took of from embankment and flew towards the treeline and oov
RWI&PS VP	24/10/2024	JM	15:43	CA	1	GA1, WL1, WL2	Yes	118	10	SE	Single CA flyover
RWI&PS VP	24/10/2024	JM	14:43	L.	25	GA1,	No	-	-	-	A group of at least 25 L on the embankment. Partially blocked by the treeline
RWI&PS VP	24/10/2024	JM	17:20	BZ	1	WD4, GA1	No	-	-	-	Single BZ perched on the edge of conifer plantation WD4
RWI&PS VP	24/10/2024	JM	17:47	CU	5	GA1	No	-	-	-	5 CU flushed from grassland
TPR VP	13/11/2024	JS	11:02	BZ	1	BC1	Yes	30	10	N	Fast flight, flushed a large number of WP and disappeared oov
TPR VP	13/11/2024	JS	11:46	BZ	1	BC1	Yes	55	10	N	Mobbed by pair of HC
TPR VP	13/11/2024	JS	12:05	BZ	1	BC1	Yes	70	30	N	Flying high over fields, flushed large flock of WP
TPR VP	13/11/2024	JS	14:45	BZ	1	BC1	Yes	30	10	S	Flew past VP and turn S until oov
TPR VP	13/11/2024	JS	14:59	LB	2	BC1	Yes	45	30	N	Commuting over area
TPR VP	13/11/2024	JS	15:06	LB	8	BC1	Yes	45	30	N	Commuting over area
TPR VP	13/11/2024	JS	15:35	K.	1	BC1, GS2	Yes	210	10	S	Observed hunting for a number of minutes before moving oov
BTP VP	14/11/2024	JS	15:36	SH	1	WL1, GA1	Yes	15	5	SW	Female hunting along hedge
BPS VP	15/11/2024	JS	10:16	SN	1	BC1, GA1	Yes	40	30	N	Commuting over area, flying high and fast
BPS VP	15/11/2024	JS	10:46	LB	2	GA1	Yes	50	15	S	Commuting over area
BPS VP	15/11/2024	JS	12:27	SH	1	WL1, BC1	Yes	15	2	S	Hunting along hedge before flying over hedge and getting oov
WTP VP	25/11/2024	JS	11:09	BZ	1	GS4	Yes	40	10	NE	Flew over area
WTP VP	25/11/2024	JS	12:32	ET	1	GS1	Yes	30	20	S	Commuting flight across area until oov
WTP VP	25/11/2024	JS	13:03	K.	1	GS1	Yes	150	10	S	Male, low over ground and hunting, until dropping oov
WTP VP	25/11/2024	JS	14:13	K.	1	GS4	Yes	110	10	N	Male, low over ground and hunting, until dropping oov
WTP VP	25/11/2024	JS	14:31	K.	1	GS4	Yes	90	10	N	Male, low over ground and hunting, until landing in tree
WTP VP	25/11/2024	JS	14:40	SH	1	GS4	Yes	20	5	N	Male, low over ground and hunting, until oov
WTP VP	25/11/2024	JS	14:49	K.	1	GS4	Yes	70	10	N	Male, low over ground and hunting, until flying oov
WTP VP	25/11/2024	JS	15:16	K.	1	GS4	Yes	110	10	N	Male, low over ground and hunting, until flying oov
WTP VP	25/11/2024	JS	15:18	K.	1	GS4	Yes	25	10	N	Male, low over ground and hunting, flew over VP
RWI&PS VP	26/11/2024	JS	8:57	BZ	1	GA1, WL1, WL2	Yes	60	15	N	Flew over area until oov in fog
RWI&PS VP	26/11/2024	JS	9:20	MA	4	GA1, WL1, WD4	Yes	125	30	N	2 M and 2 F commuting over area
RWI&PS VP	26/11/2024	JS	9:51	CU	2	GA1	Yes	50	20	S	Flew along and landed on bank and began foraging

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
RWI&PS VP	26/11/2024	JS	13:23	CU	8	GA1	Yes	30	20	S	Flew along and landed on bank and began foraging
TPR VP	02/12/2024	JS	10:26	BZ	1	BC1	Yes	110	5	N	1 of 2 BZ seen at same time, flew together on a number of occasions before both drifting oov
TPR VP	02/12/2024	JS	10:26	BZ	1	BC1	Yes	110	5	N	1 of 2 BZ seen at same time, flew together on a number of occasions before both drifting oov
TPR VP	02/12/2024	JS	11:18	K.	1	BC1	Yes	75	10	S	Male, hunting until drifting oov
TPR VP	02/12/2024	JS	11:24	K.	1	BC1	Yes	85	10	S	Male, hunting until drifting oov
TPR VP	02/12/2024	JS	12:37	MS	1	BC1	Yes	60	15	N	Juvenile commuting north
TPR VP	02/12/2024	JS	13:46	KT	1	BC1	Yes	55	10	S	Commuting flight over area
TPR VP	02/12/2024	JS	14:21	SH	1	BC1	Yes	45	5	W	Male hunting along hedge and fence line. Then mobbed by HC until oov
BPS VP	04/12/2024	JS	15:28	K.	1	WL1, BC1	Yes	135	10	N	Female, hunting for long time along hedge/field boundary before slowly drifting N until oov
BTP VP	05/12/2024	JS	8:41	BZ	1	GA1	Yes	40	15	NW	Flew over area, until dropping oov behind treeline
RWI&PS VP	11/12/2024	JS	10:13	CA	1	GS4	Yes	40	40	E	Flew from Parteen overland until oov
RWI&PS VP	11/12/2024	JS	11:48	CU	2	GA1	Yes	50	5	N	Flew along and landed on bank and began foraging
RWI&PS VP	11/12/2024	JS	11:58	ET	1	GS4	Yes	30	5	E	Flew from Parteen overland until oov landing near river
WTP VP	13/12/2024	JS	9:12	MA	1	GS4	Yes	25	15	NW	Male, fast commute over area
WTP VP	13/12/2024	JS	10:46	MA	1	GS4	Yes	30	15	S	Male, fast commute over area
WTP VP	13/12/2024	JS	12:40	K.	1	GS4, WL1	Yes	250	10	E	Watched for number of minutes hunting until oov
TPR VP	15/01/2025	JS	8:39	SN	1	BC1	Yes	24	10	S	Commuting fast flight
TPR VP	15/01/2025	JS	9:44	K.	1	BC1, WL1	Yes	30	8	S	Male, flew low near hedge until oov
TPR VP	15/01/2025	JS	11:34	SH	1	BC1	Yes	21	2	S	Male, hunting low over ground
TPR VP	15/01/2025	JS	12:02	BZ	1	BC1	Yes	135	10	N	Hunting and flying over area
TPR VP	15/01/2025	JS	12:23	SH	1	BC1	Yes	135	10	S	Male, hunting low over ground
TPR VP	15/01/2025	JS	13:25	K.	1	BC1	Yes	225	10	S	Female, hunting low over ground over number of minutes
BTP VP	16/01/2025	JS	13:01	BZ	1	GA1	Yes	50	15	E	Flew over area calling
BTP VP	16/01/2025	JS	13:58	BZ	1	GA1	Yes	65	15	SW	Circled over area
BTP VP	16/01/2025	JS	15:13	SH	1	WL1, GA1	Yes	10	5	NE	Male hunting along hedge
BTP VP	16/01/2025	JS	16:13	BZ	1	GA1	Yes	45	30	W	Flying over area along treeline then dropped oov
WTP VP	22/01/2025	JS	10:34	BZ	1	GS4	Yes	27	5	W	Commuting across fields
WTP VP	22/01/2025	JS	12:15	SH	1	GS4	Yes	45	5	N	Female, commuting across fields
WTP VP	22/01/2025	JS	16:43	SH	1	GS4	Yes	30	15	S	Commuting across fields
RWI&PS VP	28/01/2025	JM	08:41	BH	1	GA1	Yes	45	40	S	Single BH flying
RWI&PS VP	28/01/2025	JM	09:06	CA	1	Lake	Yes	40	3	N	Single CA flyover
RWI&PS VP	28/01/2025	JM	09:56	CA	3	Lake	Yes	55	3	N	Single CA flyover
RWI&PS VP	28/01/2025	JM	12:33	BH	10	Lake	Yes	210	50	S	A group of BH circling
RWI&PS VP	28/01/2025	JM	13:50	H.	1	GA1	Yes	15	5	W	Single H. Flying from agricultural field towards the lake
TPR VP	12/02/2025	JS	13:07	K.	1	WL1, BC1	Yes	75	15	W	Female, hunting along hedge and field
BPS VP	13/02/2025	JS	15:48	K.	1	BC1	Yes	55	10	S	Female flying over area
BPS VP	13/02/2025	JS	16:15	K.	1	BC1	Yes	75	10	S	Female hunting over area
BPS VP	13/02/2025	JS	16:41	K.	1	BC1	Yes	150	10	S	Female hunting over area
WTP VP	18/02/2025	JM	11:52	BZ	1	GA2	Yes	28	20	N/A	Buzzard hunting
RWI&PS VP	20/02/2025	JS	15:56	BZ	1	WD4, GS4	Yes	230	50	S	Circled for a number of minutes until oov
RWI&PS VP	20/02/2025	JS	16:23	CU	6	GS4	Yes	55	10	N	First heard calling and then landed along bank
RWI&PS VP	20/02/2025	JS	16:55	MS	2	FW2	Yes	40	10	S	Left water and flew over land until landing in river
RWI&PS VP	20/02/2025	JS	16:55	BZ	1	WD4	Yes	90	50	E	Circling and mobbed by HC
RWI&PS VP	21/02/2025	JS	12:02	GJ	2	GS4, WD4	Yes	120	10	S	Seen first over river then commuted south until oov
WTP VP	12/03/2025	JM	08:37	BZ	1	GS4	Yes	40	25	W	Soaring and hunting
BPS VP	20/03/2025	JS	11:53	BZ	1	GA1	Yes	65	40	N	Flew from west until turning N oov
BPS VP	20/03/2025	JS	12:21	BZ	1	GA1	Yes	175	100	E	Soaring over area
RWI&PS VP	24/03/2025	JS	12:45	WS	4	GA1	Yes	80	10	N	Seen flying over agricultural grassland, then turn over water and landed
RWI&PS	24/03/2025	JS	14:13	WS	11	GA1	Yes	90	10	E	Seen flying over agricultural grassland, until oov behind trees

Location	Date	Observer	Observation Time	BTO Code	Number	Habitat	Flying	Flight Duration (sec)	Flight Height (m)	Bearing	Notes
VP											
TPR VP	28/03/2025	JS	7:03	BZ	1	BC1	Yes	75	10	S	Calling, flew past VP until oov

38kV Vantage Point Survey Results 2024/2025:

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
15/10/2024	Coolisteige 38kV VP	JS	12:14	BH	1	Yes	-	-	-	N	N/A	N/A	15	94	Slow flight
15/10/2024	Coolisteige 38kV VP	JS	12:28	CA	1	Yes	-	-	-	N	N/A	N/A	1	43	Slow flight, low over water
15/10/2024	Coolisteige 38kV VP	JS	12:55	BH	2	Yes	-	-	Yes	S	N/A	N/A	5	123	Slow flight, dip feeding
15/10/2024	Coolisteige 38kV VP	JS	13:54	CA	1	Yes	-	-	-	N	N/A	N/A	30	56	Flying high
15/10/2024	Coolisteige 38kV VP	JS	12:30	CS	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge
15/10/2024	Coolisteige 38kV VP	JS	12:30	MA	4	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge
16/10/2024	O'Briensbridge 38kV VP	JS	8:53	MA	2	Yes	Yes	-	-	NE	Towards Parteen Basin	Below	10	51	Left water and flew upstream
16/10/2024	O'Briensbridge 38kV VP	JS	9:00	KF	1	Yes	-	Yes	-	SW	Towards Lower Shannon	Below	30	20	Dry low over water and calling, flew fast along west bank
16/10/2024	O'Briensbridge 38kV VP	JS	9:10	CA	1	Yes	-	-	-	NE	Towards Parteen Basin	Above	25	23	Flying high over line. Turned and flew towards river
16/10/2024	O'Briensbridge 38kV VP	JS	10:13	BH	1	Yes	-	-	Yes	SW	Towards Lower Shannon	Below	2	67	Slow flight, dip feeding
16/10/2024	O'Briensbridge 38kV VP	JS	10:37	CA	1	Yes	Yes	-	-	SW	Towards Lower Shannon	Below	2	54	Left water and flew down canal
16/10/2024	Coolisteige 38kV VP	JS	16:02	K.	1	Yes	-	-	Yes	S	N/A	N/A	5	76	Hunting, flew over canal and then south until o.o.v.
16/10/2024	Coolisteige 38kV VP	JS	16:49	BZ	1	Yes	-	-	-	N	N/A	N/A	30	135	Soaring and slowly drifted N. Mobbed by Corvids
16/10/2024	Coolisteige 38kV VP	JS	16:55	BH	7	Yes	-	-	Yes	S	N/A	N/A	5	120	Slow flight, dip feeding
16/10/2024	Coolisteige 38kV VP	JS	17:40	CA	1	Yes	-	-	-	N	N/A	N/A	30	45	Flying high over canal, then turned for river
16/10/2024	O'Briensbridge 38kV VP	JS	8:00	MA	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge
16/10/2024	O'Briensbridge 38kV VP	JS	10:22	MS	6	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge. 2 adults and 4 of this year's cygnets
16/10/2024	Coolisteige 38kV VP	JS	15:40	CS	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge, flushed on arrival
17/10/2024	O'Briensbridge 38kV VP	JS	12:10	BH	1	Yes	-	-	-	SW	Towards Lower Shannon	Below	2	60	Slow flight over land
17/10/2024	O'Briensbridge 38kV VP	JS	12:42	CA	1	Yes	-	-	-	SW	Towards Lower Shannon	Below	2	40	Low over water
17/10/2024	O'Briensbridge 38kV VP	JS	13:40	CA	1	Yes	Yes	-	-	SW	N/A	Below	2	30	Low over water, landing in water
17/10/2024	O'Briensbridge 38kV VP	JS	11:30	MS	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge. Two adults
21/10/2024	Kildoorus 38kV VP	JM	12:18	BH	7	Yes	-	-	-	W	Towards Lower Shannon	Above	10	25	Seven BH flyover
21/10/2024	Kildoorus 38kV VP	JM	13:16	CA	1	Yes	Yes	-	-	S	N/A	Other	4	46	CA flying above the river and eventually landing on water
21/10/2024	Kildoorus 38kV VP	JM	13:38	CA	1	Yes	-	-	-	S	N/A	Other	3	87	CA flying above the river in southern direction

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
21/10/2024	Kildoorus 38kV VP	JM	14:22	BZ	1	Yes	Yes	Yes	-	S	N/A	Below	30	60	Buzzard soared and hovered over farmland and the river, eventually coming to land, oov between the treeline
21/10/2024	Kildoorus 38kV VP	JM	14:43	L	17	Yes	-	-	-	S	Towards Lower Shannon	Below	10	70	A group of lapwing flying south following the river
21/10/2024	Kildoorus 38kV VP	JM	15:43	CA	1	Yes	-	-	-	N	Towards Parteen Basin	Other	6	55	Single CA flyover
21/10/2024	Kildoorus 38kV VP	JM	16:11	CA	1	Yes	-	-	-	NW	N/A	Other	8	34	Ca flyover
21/10/2024	Kildoorus 38kV VP	JM	16:17	BH	2	Yes	-	-	-	NW	N/A	N/A	10	25	2BH flyover
21/10/2024	Kildoorus 38kV VP	JM	16:37	CA	1	Yes	-	-	-	NW	N/A	Other	6	42	Ca flyover
21/10/2024	Kildoorus 38kV VP	JM	16:54	GJ	13	Yes	-	-	-	W	N/A	Other	10	45	A group of GJ flying north then turning west and flew over the river
21/10/2024	Kildoorus 38kV VP	JM	17:41	BH	1	Yes	-	-	-	S	N/A	Other	5	140	Same BH flew from South towards town then charged direction (u turn) and flow back south and oov over the treeline
21/10/2024	Kildoorus 38kV VP	JM	13:08	H.	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Adult Perched on a tree branch hanging above water
21/10/2024	Kildoorus 38kV VP	JM	13:57	GJ	24	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	24 GJ, swimming, gregarious behavior
21/10/2024	Kildoorus 38kV VP	JM	15:50	MA	3	No	-	-	-	N/A	N/A	N/A	N/A	N/A	Ma swimming
21/10/2024	Kildoorus 38kV VP	JM	15:57	MS	4	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming, 2 adults, 2 large cygnets
21/10/2024	Kildoorus 38kV VP	JM	16:38	MH	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Single MH swimming
11/11/2024	Kildoorus 38kV VP	JS	10:47	MS	5	Yes	-	-	-	N	Towards Parteen Basin	Below	1	82	Very low over water, flew U/S
11/11/2024	Kildoorus 38kV VP	JS	10:56	MS	3	Yes	-	-	-	N	Towards Parteen Basin	Below	1	75	Very low over water, flew U/S
11/11/2024	Kildoorus 38kV VP	JS	11:25	K.	1	Yes	-	-	Yes	SW	Towards Lower Shannon	Above	20	67	Hunting over grassland, then flew over river oov
11/11/2024	Kildoorus 38kV VP	JS	11:55	CA	1	Yes	-	-	-	SW	Towards Lower Shannon	Above	20	30	Commuting along river
11/11/2024	Kildoorus 38kV VP	JS	11:03	CA	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging
12/11/2024	Kildoorus 38kV VP	JS	8:24	LB	1	Yes	-	-	-	N	Towards Parteen Basin	Below	15	40	Flew along east bank
12/11/2024	Kildoorus 38kV VP	JS	8:39	CA	2	Yes	-	-	-	S	Towards Lower Shannon	Below	1	60	Low over water
12/11/2024	Kildoorus 38kV VP	JS	8:49	BH	7	Yes	-	-	-	N	Towards Parteen Basin	Above	20	40	Flying upstream
12/11/2024	Kildoorus 38kV VP	JS	9:11	LB	1	Yes	-	-	-	N	Towards Parteen Basin	Above	15	50	Flew over river and continued overland
12/11/2024	Kildoorus 38kV VP	JS	9:30	WS	4	Yes	-	-	-	N	Towards Parteen Basin	Above	15	50	Flew over river and continued overland
12/11/2024	Kildoorus 38kV VP	JS	9:59	CA	2	Yes	-	-	-	N	Towards Parteen Basin	Above	40	30	Flew over river and continued overland
12/11/2024	Kildoorus 38kV VP	JS	10:41	BH	2	Yes	-	-	Yes	N	Towards Parteen Basin	Below	2	123	Foraging along banks dip feeding
12/11/2024	Kildoorus 38kV VP	JS	10:34	MA	6	Yes	Yes	-	-	N	N/A	Below	2	25	Landed in water near bridge
19/11/2024	O'Briensbridge 38kV VP	JM	09:50	CA	1	Yes	Yes	-	-	N	N/A	N/A	12	46	Single CA flyover
19/11/2024	O'Briensbridge 38kV VP	JM	11:09	K	1	Yes	Yes	-	-	E	N/A	N/A	10	10	Male kestrel flew across the canal to perch on the ESB post for a few minutes
19/11/2024	O'Briensbridge 38kV VP	JM	12:22	L	50	Yes	-	-	-	N/A	N/A	N/A	2-25	480	Flock of lapwing circling for 8 minutes

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
19/11/2024	O'Briensbridge 38kV VP	JM	14:15	BH	1	Yes	-	-	-	S	Towards Lower Shannon	N/A	8	66	BH flyover south
19/11/2024	O'Briensbridge 38kV VP	JM	14:33	K	1	Yes	-	-	-	E	N/A	N/A	12	10	SH flew over the canal and oov behind the treeline
19/11/2024	O'Briensbridge 38kV VP	JM	14:35	BH	1	Yes	-	-	-	S	Towards Lower Shannon	N/A	5	70	BH flyover south
19/11/2024	O'Briensbridge 38kV VP	JM	15:44	CA	1	Yes	-	-	-	N	N/A	N/A	10	50	Single CA flyover
19/11/2024	O'Briensbridge 38kV VP	JM	15:53	RP	1	Yes	Yes	-	-	N	Towards Lough Derg	Below	0.5	25	Single RP flying low above water, landing for a second in front of VP then continuing north
19/11/2024	O'Briensbridge 38kV VP	JM	11:40	BH	3	Yes	-	-	-	N	N/A	N/A	8	75	Circling following the coast
19/11/2024	O'Briensbridge 38kV VP	JS	9:30	MS	2	No	-	-	-	N/A	N/A	N/A	N/A	N/A	Foraging along bank edge. 2 adults, seen on arrival
25/11/2024	Coolisteige 38kV VP	JM	09:53	BH	1	Yes	-	-	-	N	N/A	N/A	10	123	Single BH flyover north
25/11/2024	Coolisteige 38kV VP	JM	10:43	K.	1	Yes	-	-	-	N/A	N/A	N/A	8	35	Kestrel mobbed by a Rook
25/11/2024	Coolisteige 38kV VP	JM	10:55	CA	1	Yes	-	-	-	S	N/A	N/A	15	50	CA flyover
25/11/2024	Coolisteige 38kV VP	JM	13:38	K.	1	Yes	-	-	-	N/A	N/A	N/A	8	16	Kestrel short hunt
25/11/2024	Coolisteige 38kV VP	JM	14:21	BH	1	Yes	-	-	-	S	N/A	N/A	10	123	Single BH flyover north over treelines
25/11/2024	Coolisteige 38kV VP	JM	15:43	CA	1	Yes	-	-	-	S	N/A	N/A	5	72	Ca flyover south over the canal
25/11/2024	Coolisteige 38kV VP	JM	10:38	H.	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Two H. Perched on embankment
25/11/2024	Coolisteige 38kV VP	JM	11:23	ET	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding on the edge of water/ embankment
25/11/2024	Coolisteige 38kV VP	JM	11:56	GE	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Two GE feeding on the opposite embankment
25/11/2024	Coolisteige 38kV VP	JM	14:08	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Redshank foraging on the canal embankment
10/12/2024	Kildoorus 38kV VP	JS	12:22	BH	4	Yes	-	-	-	N	Towards Parteen Basin	Below	5	45	Flew upstream
10/12/2024	Kildoorus 38kV VP	JS	13:51	CA	1	Yes	-	-	-	S	Towards Lower Shannon	Above	30	60	Flew downstream, before turning over land
10/12/2024	Kildoorus 38kV VP	JS	13:57	MA	3	Yes	Yes	-	-	S	Towards Lower Shannon	Below	5	25	Flew downstream, before landing in water near VP
10/12/2024	Kildoorus 38kV VP	JS	14:22	CA	1	Yes	-	-	-	S	Towards Lower Shannon	Below	2	55	Flew downstream, low along east bank
11/12/2024	Coolisteige 38kV VP	JM	08:47	BH	4	Yes	-	-	-	N	N/A	N/A	10	80	Four BH flyover
11/12/2024	Coolisteige 38kV VP	JM	09:03	BH	4	Yes	-	-	-	N	N/A	N/A	12	57	BH flyover
11/12/2024	Coolisteige 38kV VP	JM	09:22	LB	1	Yes	-	-	-	N	N/A	N/A	10	65	Single LB flyover
11/12/2024	Coolisteige 38kV VP	JM	10:20	CA	1	Yes	-	-	-	N	N/A	N/A	1	20	CA flyover
11/12/2024	Coolisteige 38kV VP	JM	11:35	BH	1	Yes	-	-	-	S	N/A	N/A	4	45	Single BH flyover
11/12/2024	Coolisteige 38kV VP	JM	13:20	BZ	1	Yes	-	-	Yes	W	N/A	N/A	10	20	BZ hunting
11/12/2024	Coolisteige 38kV VP	JM	13:53	RK	1	Yes	-	-	-	N	N/A	N/A	0.25	25	Flying low above water
11/12/2024	Coolisteige 38kV VP	JM	08:40	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On embankment
11/12/2024	Coolisteige 38kV VP	JM	09:46	GE	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	GE feeding on the opposite embankment

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
11/12/2024	Coolisteige 38kV VP	JM	10:03	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding on the near embankment
11/12/2024	Coolisteige 38kV VP	JM	10:03	MA	4	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Two pairs swimming
11/12/2024	Coolisteige 38kV VP	JM	11:54	GL	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
12/12/2024	Kildoorus 38kV VP	JS	13:30	L.	40	Yes	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Roosting in field near river
13/12/2024	O'Briensbridge 38kV VP	JM	08:45	CA	1	Yes	-	-	-	SW	N/A	N/A	15	50	CA flyover
13/12/2024	O'Briensbridge 38kV VP	JM	08:51	BH	1	Yes	-	-	-	N	N/A	N/A	2	35	Flyover south
13/12/2024	O'Briensbridge 38kV VP	JM	09:53	L.	50	Yes	-	-	-	N/A	N/A	N/A	30	125	Flock of lapwing commuting north
13/12/2024	O'Briensbridge 38kV VP	JM	11:58	LB	1	Yes	-	-	-	S	N/A	N/A	12	55	Flyover south
13/12/2024	O'Briensbridge 38kV VP	JM	08:22	BH	1	Yes	-	-	Yes	S	N/A	N/A	1	45	Flyover south dip feeding
13/12/2024	O'Briensbridge 38kV VP	JM	08:46	GE	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On the opposite embankment
13/12/2024	Coolisteige 38kV VP	JM	08:49	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding on the near embankment
13/12/2024	O'Briensbridge 38kV VP	JM	09:21	MS	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
13/12/2024	Coolisteige 38kV VP	JM	12:08	GE	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On near side embankment
13/12/2024	O'Briensbridge 38kV VP	JM	12:24	MS	2	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	Swimming and foraging
13/12/2024	O'Briensbridge 38kV VP	JM	12:25	MA	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Male swimming
13/12/2024	Coolisteige 38kV VP	JM	14:16	GL	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Foraging and flying across the canal
21/01/2025	Kildoorus 38kV VP	JM	09:18	BH	1	Yes	-	-	-	S	N/A	N/A	5	10	BH flyover - dense fog
21/01/2025	Kildoorus 38kV VP	JM	09:40	BH	1	Yes	-	-	-	S	N/A	N/A	8	10	BH flyover - dense fog
21/01/2025	Coolisteige 38kV VP	JM	13:16	CA	1	Yes	-	-	-	S	N/A	N/A	1	33	CA flyover
21/01/2025	Kildoorus 38kV VP	JM	10:00	MH	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
21/01/2025	Kildoorus 38kV VP	JM	11:00	GJ	13	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	A group of GJ foraging and loafing
21/01/2025	Kildoorus 38kV VP	JM	11:44	MA	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
21/01/2025	Coolisteige 38kV VP	JM	13:20	GE	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding on the opposite embankment
21/01/2025	Coolisteige 38kV VP	JM	13:20	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding on the opposite embankment
21/01/2025	Coolisteige 38kV VP	JM	13:28	MA	3	No	-	Yes	-	N/A	N/A	N/A	N/A	N/A	Swimming
21/01/2025	Coolisteige 38kV VP	JM	13:28	MA	2	No	-	Yes	-	N/A	N/A	N/A	N/A	N/A	Swimming
21/01/2025	Coolisteige 38kV VP	JM	14:47	GL	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
21/01/2025	Coolisteige 38kV VP	JM	14:48	RK	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
22/01/2025	Kildoorus 38kV VP	JM	12:17	CA	1	Yes	-	-	-	SW	N/A	N/A	10	30	CA flyover
22/01/2025	Kildoorus 38kV VP	JM	12:42	CA	1	Yes	-	-	-	NE	N/A	N/A	15	25	CA flyover
22/01/2025	Kildoorus 38kV VP	JM	12:42	CA	1	Yes	-	-	-	NE	N/A	N/A	15	25	CA flyover
22/01/2025	Kildoorus 38kV VP	JM	12:49	CA	1	Yes	-	-	-	NE	N/A	N/A	15	35	CA flyover
22/01/2025	Kildoorus 38kV VP	JM	13:04	CA	1	Yes	-	-	-	NE	N/A	N/A	15	55	CA flyover
22/01/2025	Kildoorus 38kV VP	JM	13:19	CA	1	Yes	-	-	-	NE	N/A	N/A	15	40	CA flyover
22/01/2025	Kildoorus 38kV VP	JM	14:50	GJ	36	Yes	-	-	-	N/A	N/A	N/A	10	37	A group of GJ spooked by a low flying helicopter, circled and flew east
22/01/2025	Kildoorus 38kV VP	JM	11:50	CA	3	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Three CA swimming

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
22/01/2025	Kildoorus 38kV VP	JM	11:50	H.	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Adult hunting
22/01/2025	Kildoorus 38kV VP	JM	12:18	MS	4	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	Swimming and foraging
22/01/2025	Kildoorus 38kV VP	JM	12:21	MA	3	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
23/01/2025	O'Briensbridge 38kV VP	JM	09:59	BH	1	Yes	-	-	-	N	N/A	N/A	5	35	flyover north
23/01/2025	O'Briensbridge 38kV VP	JM	11:46	BH	4	Yes	-	-	-	N/A	N/A	N/A	2-10	210	Flock of BH circling above the bridge, gliding in the strong wind
23/01/2025	O'Briensbridge 38kV VP	JM	12:23	BH	1	Yes	-	-	-	W	N/A	N/A	12	55	BH circling
23/01/2025	O'Briensbridge 38kV VP	JM	12:33	GE	1	Yes	-	-	-	N	N/A	Below	1	15	Flying low above the water
23/01/2025	O'Briensbridge 38kV VP	JM	12:40	MA	13	Yes	-	-	-	SE	N/A	Above	20	25	A group of mallard flying SW
23/01/2025	O'Briensbridge 38kV VP	JM	12:51	LB	2	Yes	-	-	-	S	Towards Lower Shannon	Above	10	75	Two LB flyover
23/01/2025	O'Briensbridge 38kV VP	JM	07:57	MS	3	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
23/01/2025	O'Briensbridge 38kV VP	JM	08:26	MS	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
23/01/2025	O'Briensbridge 38kV VP	JM	08:49	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	feeding on the near embankment
29/01/2025	Coolisteige 38kV VP	JM	08:40	RK	1	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	On embankment
29/01/2025	Coolisteige 38kV VP	JM	08:47	MA	2	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	Swimming
29/01/2025	Coolisteige 38kV VP	JM	08:57	GE	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Two GE feeding
29/01/2025	Coolisteige 38kV VP	JM	11:18	RK	1	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	On embankment
29/01/2025	Coolisteige 38kV VP	JM	08:33	BH	1	Yes	-	-	-	S	N/A	N/A	4	65	Single BH flyover
29/01/2025	Coolisteige 38kV VP	JM	08:42	BH	1	Yes	-	-	-	N	N/A	N/A	15	55	Single BH flyover
29/01/2025	Coolisteige 38kV VP	JM	08:51	BH	5	Yes	-	-	-	NE	N/A	N/A	15	65	Single BH flyover
29/01/2025	Coolisteige 38kV VP	JM	08:53	CA	1	Yes	-	-	-	NE	N/A	N/A	20	30	CA flyover
29/01/2025	Coolisteige 38kV VP	JM	09:25	CA	1	Yes	-	-	-	NE	N/A	N/A	8	40	CA flyover
29/01/2025	Coolisteige 38kV VP	JM	09:46	BH	1	Yes	-	-	-	NE	N/A	N/A	10	40	Single BH flyover
29/01/2025	Coolisteige 38kV VP	JM	10:56	BH	1	Yes	-	-	-	SW	N/A	N/A	8	55	Single BH flyover
17/02/2025	Kildoorus 38kV VP	JM	14:14	CA	1	Yes	Yes	-	-	S	N/A	Below	15	20	CA landed on water
17/02/2025	Kildoorus 38kV VP	JM	14:35	MS	2	Yes	-	-	-	S	Towards Lower Shannon	Above	10	120	Commuting south
17/02/2025	Kildoorus 38kV VP	JM	14:53	CA	1	Yes	-	-	-	S	Towards Lower Shannon	Above	8	44	CA flyover
17/02/2025	Kildoorus 38kV VP	JM	16:40	CA	1	Yes	-	-	-	N	N/A	N/A	4	20	CA flyover
17/02/2025	Kildoorus 38kV VP	JM	14:00	MS	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming and foraging seen on arrival
17/02/2025	Kildoorus 38kV VP	JM	14:00	CA	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming and diving, seen on arrival
17/02/2025	Kildoorus 38kV VP	JM	15:23	ET	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On the riverbank, hunting
17/02/2025	Kildoorus 38kV VP	JM	15:30	GJ	15	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On agricultural field, foraging
17/02/2025	Kildoorus 38kV VP	JM	15:36	GJ	33	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On agricultural field, foraging
17/02/2025	Kildoorus 38kV VP	JM	15:39	GJ	8	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On agricultural field, foraging
17/02/2025	Kildoorus 38kV VP	JM	15:45	GJ	14	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On agricultural field, foraging

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
19/02/2025	Kildoorus 38kV VP	JM	07:25	BH	6	Yes	-	-	-	S	Towards Lower Shannon	Above	20	60	BH flying
19/02/2025	Kildoorus 38kV VP	JM	07:32	BH	4	Yes	-	-	-	S	Towards Lower Shannon	Above	20	105	BH flying
19/02/2025	Kildoorus 38kV VP	JM	07:36	BH	11	Yes	-	-	-	S	Towards Lower Shannon	Above	20	53	BH flying
19/02/2025	Kildoorus 38kV VP	JM	07:38	CA	1	Yes	-	-	-	NE	Towards Parteen Basin	Below	10	25	CA flyover
19/02/2025	Kildoorus 38kV VP	JM	07:45	MS	3	Yes	-	-	-	NW	N/A	Above	15	45	Three MS flying
19/02/2025	Kildoorus 38kV VP	JM	07:47	MA	3	Yes	-	-	-	NW	N/A	Above	12	45	Three MA flying
19/02/2025	Kildoorus 38kV VP	JM	08:07	BH	2	Yes	-	-	-	SW	Towards Lower Shannon	Above	20	35	BH flying
19/02/2025	Kildoorus 38kV VP	JM	08:13	GJ	5	Yes	-	-	-	SE	N/A	N/A	10	35	A group of GJ flying
19/02/2025	Kildoorus 38kV VP	JM	08:30	GJ	21	Yes	-	-	-	N/A	N/A	N/A	10	60	A group of GJ circling and landed on GA1
19/02/2025	Kildoorus 38kV VP	JM	09:55	BZ	1	Yes	-	-	-	NW	N/A	N/A	12	15	Flew from treeline
19/02/2025	Coolisteige 38kV VP	JM	10:56	CA	2	Yes	-	-	-	SW	N/A	N/A	10	35	CA flyover
19/02/2025	Coolisteige 38kV VP	JM	12:13	BH	7	Yes	-	-	-	NE	N/A	N/A	10	125	Commuting slow over the canal
19/02/2025	Coolisteige 38kV VP	JM	12:15	K.	1	Yes	-	-	Yes	N/A	N/A	N/A	15	55	Hovering and hunting
19/02/2025	Coolisteige 38kV VP	JM	12:37	LB	4	Yes	-	-	-	SW	N/A	N/A	15	110	Flying slow over canal,
19/02/2025	Coolisteige 38kV VP	JM	12:57	CA	1	Yes	-	-	-	SW	N/A	N/A	15	45	Single CA flying
19/02/2025	Coolisteige 38kV VP	JM	13:11	BH	22	Yes	-	-	-	NE	N/A	N/A	15	110	A group of BH circling
19/02/2025	Kildoorus 38kV VP	JM	07:41	MA	3	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
19/02/2025	Kildoorus 38kV VP	JM	08:12	H.	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On the riverbank, hunting
19/02/2025	Kildoorus 38kV VP	JM	09:45	K.	1	No	-	-	-	N/A	N/A	N/A	N/A	N/A	Kestrel perched on treeline, calling
19/02/2025	Coolisteige 38kV VP	JM	11:02	RK	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
19/02/2025	Coolisteige 38kV VP	JM	11:41	MA	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
20/02/2025	Coolisteige 38kV VP	JM	16:12	CA	1	Yes	-	-	-	SW	N/A	N/A	10	55	CA flyover
20/02/2025	O'Briensbridge 38kV VP	JM	11:46	MS	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming, one adult, one sub adult plumage
20/02/2025	O'Briensbridge 38kV VP	JM	12:04	GK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding on the bank
20/02/2025	O'Briensbridge 38kV VP	JM	12:10	BH	8	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	A group of BH foraging
20/02/2025	O'Briensbridge 38kV VP	JM	12:26	GE	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On the opposite embankment
20/02/2025	Coolisteige 38kV VP	JM	15:56	RK	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
21/02/2025	O'Briensbridge 38kV VP	JM	07:16	BH	4	Yes	-	-	-	SW	N/A	N/A	1	25	Flying low above the canal
21/02/2025	O'Briensbridge 38kV VP	JM	09:31	BH	1	Yes	-	-	-	NW	N/A	N/A	1	15	BH flying
10/03/2025	O'Briensbridge 38kV VP	JM	14:34	MS	1	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	Swimming and foraging
10/03/2025	O'Briensbridge 38kV VP	JM	14:44	MA	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
11/03/2025	Kildoorus 38kV VP	JM	14:57	KF	1	Yes	-	-	-	NE	N/A	N/A	1	10	Flying low above water

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
11/03/2025	Kildoorus 38kV VP	JM	17:00	CA	1	Yes	-	-	-	N	N/A	N/A	5	15	CA flying
11/03/2025	Kildoorus 38kV VP	JM	18:26	MA	3	Yes	-	-	-	S	N/A	Other	10	35	Three ma circling
11/03/2025	Kildoorus 38kV VP	JM	18:36	BH	6	Yes	-	-	-	N	Towards Parteen Basin	Above	20	75	BH flying
11/03/2025	Kildoorus 38kV VP	JM	18:49	GJ	3	Yes	-	-	-	SE	N/A	N/A	10	30	A group of GJ flyover
11/03/2025	Kildoorus 38kV VP	JM	13:04	MS	4	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming, two adults
11/03/2025	Kildoorus 38kV VP	JM	13:24	GJ	2	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	On agricultural field, foraging
11/03/2025	Kildoorus 38kV VP	JM	14:49	H.	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Perched on a branch
11/03/2025	Kildoorus 38kV VP	JM	14:56	MS	1	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
11/03/2025	Kildoorus 38kV VP	JM	14:58	MA	2	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	Swimming and foraging
11/03/2025	Kildoorus 38kV VP	JM	16:19	MS	4	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming, two adults, two juveniles
11/03/2025	Kildoorus 38kV VP	JM	16:50	ET	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Feeding
13/03/2025	Coolisteige 38kV VP	JM	10:52	CA	1	Yes	-	-	-	N	N/A	N/A	40	1	CA flyover
13/03/2025	Coolisteige 38kV VP	JM	10:52	CA	1	Yes	-	-	-	N	N/A	N/A	30	1	CA flyover
13/03/2025	Coolisteige 38kV VP	JM	11:00	BZ	1	Yes	-	-	-	N	N/A	N/A	122	30	Soaring, circling, mobbed by rooks
13/03/2025	Coolisteige 38kV VP	JM	13:06	CA	1	Yes	-	-	-	S	N/A	N/A	27	15	CA flyover
13/03/2025	Coolisteige 38kV VP	JM	14:12	CA	1	Yes	-	-	-	N	N/A	N/A	45	15	CA flyover south over the canal
13/03/2025	Coolisteige 38kV VP	JM	14:32	K.	1	Yes	-	-	-	E	N/A	N/A	10	5	Flew over the canal and into the treeline
13/03/2025	Coolisteige 38kV VP	JM	15:14	CA	1	Yes	-	-	-	S	N/A	N/A	55	5	CA flyover south over the canal
13/03/2025	Coolisteige 38kV VP	JM	16:07	MA	3	Yes	-	-	-	N	N/A	N/A	25	10	Mallard flying
13/03/2025	Coolisteige 38kV VP	JM	10:35	MS	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
13/03/2025	Coolisteige 38kV VP	JM	10:41	GL	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
13/03/2025	Coolisteige 38kV VP	JM	12:41	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Redshank foraging on the canal embankment
13/03/2025	Coolisteige 38kV VP	JM	12:46	RK	1	No	-	-	Yes	N/A	N/A	N/A	N/A	N/A	Redshank foraging on the canal embankment
13/03/2025	Coolisteige 38kV VP	JM	13:03	CA	1	No	Yes	-	Yes	N/A	N/A	N/A	N/A	N/A	Swimming and diving
13/03/2025	Coolisteige 38kV VP	JM	13:08	MA	6	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	Swimming
13/03/2025	Coolisteige 38kV VP	JM	14:25	GL	2	No	Yes	-	-	N/A	N/A	N/A	N/A	N/A	On embankment
14/03/2025	O'Briensbridge 38kV VP	JM	06:40	CA	1	Yes	-	-	-	S	N/A	N/A	10	15	Single CA flyover
14/03/2025	O'Briensbridge 38kV VP	JM	06:53	MA	1	Yes	-	-	-	N	N/A	Above	10	20	Single mallard flying
14/03/2025	O'Briensbridge 38kV VP	JM	07:07	GJ	2	Yes	-	-	-	S	Towards Lower Shannon	N/A	1	40	Two GJ fly over water
14/03/2025	O'Briensbridge 38kV VP	JM	07:17	MS	4	Yes	-	-	-	N	Towards Parteen Basin	N/A	1	75	A small group of MS flying north
14/03/2025	O'Briensbridge 38kV VP	JM	07:33	GJ	2	Yes	-	-	-	S	Towards Parteen Basin	N/A	10	25	Two GJ flyover
14/03/2025	O'Briensbridge 38kV VP	JM	07:36	CA	1	Yes	-	-	-	N	Towards Parteen Basin	N/A	10	30	CA flyover
14/03/2025	O'Briensbridge	JM	08:09	LB	4	Yes	-	-	-	S	Towards	Above	12	50	Four LB flyover

Date	VP	Surveyor	Observation Time	BTO	No. of Birds	Flying	Perched /Swim	Calling	Foraging	Bearing	Direction	Above/ Below Current Line	Flight Height (m)	Duration (sec)	Notes
	38kV VP										Parteen Basin				
14/03/2025	O'Briensbridge 38kV VP	JM	08:45	CA	1	Yes	-	-	-	N	N/A	N/A	15	50	CA flyover
14/03/2025	O'Briensbridge 38kV VP	JM	08:42	CA	1	Yes	-	-	-	N	N/A	N/A	1	35	CA flyover low over water
14/03/2025	O'Briensbridge 38kV VP	JM	08:59	CA	2	Yes	-	-	-	N	N/A	N/A	15	55	CA flyover
14/03/2025	O'Briensbridge 38kV VP	JM	8:42	CA	1	Yes	-	-	-	N	N/A	N/A	1	45	CA flyover low over water
14/03/2025	O'Briensbridge 38kV VP	JM	9:28	RK	1	Yes	-	-	-	N	N/A	N/A	1	15	RK flying low

Annex D. I-WeBS Sites, Vantage Points and Hen Harrier Survey Locations

I-WeBS Survey Locations:

Site Name	Survey Type	Eastings	Northings
Ardcloony	I-WeBS -Parteen	167778	168633
Ballycuggeran Bay	I-WeBS -Lough Derg	168744	176259
Ballyheefy	I-WeBS -Lough Derg	168474	178266
Bearoge Island	I-WeBS -Lough Derg	184153	202768
Blackrock point	I-WeBS -Lough Derg	177736	187954
Bunglasha Bay	I-WeBS -Lough Derg	167827	182225
Castlelough Public Park (Previously labelled as Castletown in past surveys)	I-WeBS -Lough Derg	173472	181885
Church Bay	I-WeBS -Lough Derg	176000	186868
Clarisford	I-WeBS -Parteen	170154	171513
Claree Lough	I-WeBS -Lough Derg	184946	188148
Clery's Point	I-WeBS -Lough Derg	174847	186957
Cloondadauv	I-WeBS -Lough Derg	179660	199740
Cloonoolia Bay A	I-WeBS -Lough Derg	172836	186558
Cloonoolia South	I-WeBS -Lough Derg	172842	186320
Derry Demense	I-WeBS -Lough Derg	171027	177866
Derrymaccegan Bay/ Portuma Bay (Previously labelled as Portumna Rec Park in past surveys)	I-WeBS -Lough Derg	186050	203000
Drominagh	I-WeBS -Lough Derg	183677	199557
Dromineer Bay	I-WeBS -Lough Derg	181270	186035
Ducey's Harbour	I-WeBS -Lough Derg	166000	184200
Friary (Previously labelled as Portumna Marina in past surveys)	I-WeBS -Lough Derg	185303	203645
Garrykennedy Harbour	I-WeBS -Lough Derg	176840	183832
Glenbower	I-WeBS -Lough Derg	182082	190889
Gortmore	I-WeBS -Lough Derg	184500	200950
Illanaboe	I-WeBS -Lough Derg	176222	193569
Kilcooney	I-WeBS -Lough Derg	177667	190830
Kilgarvan Quay	I-WeBS -Lough Derg	182700	196850
Knockaphort	I-WeBS -Lough Derg	169515	185545
Luska	I-WeBS -Lough Derg	182000	189850
Mota	I-WeBS -Lough Derg	182032	195799
Mountshannon	I-WeBS -Lough Derg	171226	186565
O'Briensbridge	I-WeBS -Parteen	165805	167008
O'Briensbridge Montpelier	I-WeBS -Parteen	166450	166839
Old Village	I-WeBS -Lough Derg	178767	195357
Rossmore Pier	I-WeBS -Lough Derg	179821	196414
Ryninch	I-WeBS -Lough Derg	170070	175410
Skehanagh	I-WeBS -Lough Derg	181650	191550
Terryglass Harbour	I-WeBS -Lough Derg	186208	201121
Towards Spa Island North	I-WeBS -Lough Derg	181152	198222
Williamstown	I-WeBS -Lough Derg	178093	188390
Youghal Quay	I-WeBS -Lough Derg	179224	183110
Ardcrony	I-WeBS - Corridor	189015	187089

Site Name	Survey Type	Eastings	Northings
Ballinaderry	I-WeBS - Corridor	190277	190478
Ballycon Wetland	I-WeBS - Corridor	254491	227163
Ballykilleen	I-WeBS - Corridor	260847	227699
Camcor River	I-WeBS - Corridor	213234	205407
Coolderry	I-WeBS - Corridor	192445	18070
Cushaling	I-WeBS - Corridor	265160	226958
Derrinboy	I-WeBS - Corridor	219573	210922
Drehid	I-WeBS - Corridor	274054	233548
Gorteen Br.	I-WeBS - Corridor	234032	217168
Gorteenkeel Bog	I-WeBS - Corridor	248353	224567
Grand Canal at Ardclogh	I-WeBS - Corridor	292370	229216
K Club (Liffey at Straffan Br)	I-WeBS - Corridor	292370	229216
Kilurane	I-WeBS - Corridor	195699	189660
Lisnasoolmoy	I-WeBS - Corridor	191733	188851
Little Brosna (Brosna Br)	I-WeBS - Corridor	207978	193918
Little Brosna (Sharavogue Br.)	I-WeBS - Corridor	205667	196468
Lough Eorna	I-WeBS - Corridor	188128	185958
Lough Nahinch	I-WeBS - Corridor	199220	193898
Monsea	I-WeBS - Corridor	183028	181527
Nenagh River Ballyartella Br.	I-WeBS - Corridor	183922	183484
Pallas Lough	I-WeBS - Corridor	227001	219466
Rathlumber	I-WeBS - Corridor	257540	228274
Coolderry	I-WeBS - Corridor	192832	187735

Lough Derg Vantage Point Locations:

VP Number	Site name	Eastings	Northings
1	Flanagans	170429	170429
2	Clarisford	170154	171513
3	Two Mile Gate	168942	176306

Corridor Vantage Point Locations:

VP Number	Site name	Eastings	Northings
4	RWI	170064	169741
5	WTP	172640	170325
6	BPT	197268	190010
7	BPS	215338	207050
8	TPR	300956	230826

38kV Vantage Point Locations:

VP Number	Site name	Eastings	Northings
38kV-VP1	Coollisteige	164057	164830
38kV-VP2	Kildoorus (By Rowing Club)	165680	166426
38kV-VP3	O'Briensbridge	165787	167022

VP Number	Site name	Eastings	Northings
38kV-VP4	Ardcloony	167769	168627

Winter Hen Harrier Survey Locations:

Site Name	Survey Type	Eastings	Northings
Derryvarroge	Hen Harrier Roost Survey	279075	234585
Drehid West	Hen Harrier Roost Survey	273476	231411
Kilcumber	Hen Harrier Roost Survey	260476	228707
Mount Lucas	Hen Harrier Roost Survey	251095	226551
Northeast of Drehid	Hen Harrier Roost Survey	276443	233455
Sharavogue	Hen Harrier Roost Survey	205408	195574
North of Mount Lucas	Hen Harrier Roost Survey	251648	226927
Timahoe West	Hen Harrier Roost Survey	275057	232953
Scohaboy Bog	Hen Harrier Roost Survey	197662	191712
Cushaling	Hen Harrier Roost Survey	265197	226830
Currabeg	Hen Harrier Roost Survey	220415	209402
New Gate	Hen Harrier Roost Survey	225690	215144
Lough Annaghmore	Hen Harrier Roost Survey	230083	214024
Kilcolman	Hen Harrier Roost Survey	208150	199871
Mount Lucas A	Hen Harrier Roost Survey	248502	224061
Mount Lucas B	Hen Harrier Roost Survey	249755	224943
Geashill	Hen Harrier Roost Survey	243585	219250
Derrinclare	Hen Harrier Roost Survey	201006	191811
Knochill	Hen Harrier Roost Survey	221373	211430

Annex E. National and International Bird Numbers

Species	1% national[1]	1% international[2]	Species	1% national	1% international
Mute Swan	90	100	Little Grebe	20	4700
Whooper Swan	150	340	Great Crested Grebe	30	6300
Greylag Goose	35	980	Cormorant	110	1200
Wigeon	560	14000	Little Egret	20	1100
Gadwall	20	1200	Grey Heron	25	5000
Teal	360	5000	Moorhen		20000
Mallard	280	53000	Coot	190	15500
Pintail	20	600	Golden Plover	920	9300
Shoveler	20	650	Lapwing	850	72300
Pochard	110	2000	Snipe		20000
Tufted Duck	270	8900	Curlew	350	7600
Scaup	25	3100	Black-headed Gull		20000
Long-tailed Duck		17250	Common Gull		16400
Goldeneye	40	11400	Lesser Black-backed Gull		5500
Black-throated Diver		3750	Herring Gull		10200
Great Northern Diver	20	50	Great Black-backed Gull		4200

[1] Burke, B., Lewis, L. J., Fitzgerald, N., Frost, T., Austin, G., & Tierney, T. D. (2018). Estimates of waterbird numbers wintering in Ireland, 2011/12–2015/16. *Irish Birds*, *11*, 1-12.
[2] Wetlands International (2022). "Waterbird Population Estimates". Retrieved from wpe.wetlands.org