



An Roinn Tithíochta,
Rialtais Áitiúil agus Oidhreachta
Department of Housing,
Local Government and Heritage

Application for Derogation Licence

Under the European Communities (Birds and Natural Habitats) Regulations 2011 – 2021

Prepared by the Department of Housing, Local Government and Heritage

npws.ie

- This form is to be used by any person applying for a derogation licence under Regulation 54 or by the Minister under Regulation 54(A)
- Please ensure that you answer questions fully in order to avoid delays
- If you experience any problems filling in this form, please contact the Wildlife Licensing Unit;
- Please note – applications/reports received and licences issued under this derogation may be published on the NPWS website and/or the Department's Open Data website

Wildlife Licensing Unit,

Department of Housing, Local Government and Heritage

National Parks and Wildlife Service

Wildlife Licensing Unit, R. 2.03

90 North King Street

Smithfield

Dublin 7 D07 N7CV

Email: wildlifelicence@npws.gov.ie

Part A. The Applicant: Personal Details

These questions relate to the person responsible for any proposed works and who will be the **named licensee**. As the licensee you will be responsible for ensuring compliance with the licence and its conditions, even though you may employ another person to act on your behalf.

If this application is being submitted on behalf of a third party please also complete Part B below.

1. (a) Name of Applicant

Title (Mr/Mrs/Miss/Ms/Dr)	Forename(s)	Surname
Mr	Colm	Clarke
(b) Address Line 1	Scott Cawley Ltd.	
Address Line 2	71-73 Rock Road	
Town	Blackrock	
County	Dublin	
Eircode	A94 F9X9	
(c) Contact number	01 6769815	
(d) Email address	info@scottcawley.com ; cclarke@scottcawley.com	
(e) Address where works are to be carried out if different from (b) above.		
Address Line 1	Unknown at present – entire country	
Address Line 2		
Town		
County		
Eircode		

Part B. Details of Person Submitting Application on Behalf of Applicant/Licensee

Information relating to the person (e.g. ecologist) responsible for submitting the application on behalf of the applicant/licensee should be entered below:

1. (a) Name of Person/Ecologist

Title (Mr/Mrs/Miss/Ms/Dr)	Forename(s)	Surname
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	Colm Aebhin Andrew Ashling Caroline Lauren Cathal Siofra Tim Eoin Wayne Sorcha Simon Cian Jamie Alison Jared Bea Gregor Cliona Barbara Under Supervision of Colm Clarke / Andrew Speer: Carla Scott Ita Amir	Clarke Cawley Speer Cronin Kelly Shinkwin O'Brien Quigley Ryle Cussen Daly Shanley O'Carroll O'Flaherty Dempsey Bourke Bennett Jackson Wood O'Flaherty Kasl Deane Bastow Sherlock Glick
(b) Company Name	Scott Cawley Ltd.	
Address Line 1	71-73 Rock Road,	
Address Line 2	College House	
Town	Blackrock	
County	Dublin	
Eircode	A94 F9X9	
(c) Contact number	01 6769815	
(d) Email address	info@scottcawley.com ; cclarke@scottcawley.com	
(e) Relationship to Applicant	Work colleagues	

Part C. The Application

1. **Species of Animal:** Please indicate which species is affected by the proposed works:

- Bat
- Otter
- Kerry Slug
- Natterjack Toad
- Dolphin
- Whale
- Turtle
- Porpoise

2. Please detail the exact species (scientific name): All bat species

3. Please provide the maximum number of individuals affected* Unknown at present

4. Please provide the maximum number of breeding or resting sites affected* Unknown

5. Please provide the maximum number of eggs to be taken* NA

6. Please provide the maximum number of eggs to be destroyed* NA

*If no figures can be provided for the maximum number of individuals, breeding sites, resting places and eggs to be covered by the derogation please provide reasons why.

Scott Cawley Ltd. has in the past been granted a general derogation licence, with all employees to be involved in any works listed as either Full Licensees or Trainees under supervision of a named Full Licensee – work is for entry to a known roost (disturbance) or handling/capture of bats. Licence is for:

- (a) Roost disturbance and entry into a known roost;
- (b) To use an endoscope to explore inaccessible locations in structures and trees including roosts
- (c) To photograph bats within roosts for scientific and research purposes (Country-wide)

Used for carrying out inspections of known or suspected roost sites, while separate derogation licences were applied for on a project specific basis where required

7. **Species of Plant:** Please indicate which species is affected by the proposed works:

- Killarney Fern
- Slender Naiad
- Marsh Saxifrage

8. If you previously received a derogation for any species of animal or plant please state licence number and confirm that you have made a return to NPWS on the numbers actually affected by that licence

DER/BAT 2024-53

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9. Proposed Dates for Works: Please indicate the timeframe that you propose to carry out works. Dates set by NPWS may differ from dates proposed here.

Start Date:	01/01/2025
End Date:	31/12/2025

10. Please tick which reason below explains How this Application Qualifies under Regulation 54(2)(A-E) of the European Communities (Birds and Natural Habitats) Regulations:

a.	In the interests of protecting wild flora and fauna and conserving natural habitats	<input type="checkbox"/>
b.	To prevent serious damage, in particular to crops, livestock, forests, fisheries and water and other types of property	<input type="checkbox"/>
c.	In the interests of public health and public safety, or for other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment	<input type="checkbox"/>
d.	For the purpose of research and education, of re-populating and re-introducing these species and for the breeding operations necessary for these purposes, including artificial propagation of plants	<input checked="" type="checkbox"/>
e.	To allow, under strictly supervised conditions, on a selective basis and to a limited extent, the taking or keeping of certain specimens of the species to the extent specified therein, which are referred to in the First Schedule	<input type="checkbox"/>

11. Report Checklist: Please append a detailed report to support this application and ensure that it contains the following information:

11.1	Explanation as to why the derogation licence sought is the only available option for works and no suitable alternative exists as per Regulation 54 of the European Communities (Birds and Natural Habitats) Regulations.	<input checked="" type="checkbox"/>
11.2	Evidence that actions permitted by a derogation licence will not be detrimental to the maintenance of the populations of the species to which the Habitats Directive relates at a favourable conservation status in their natural range as is required under Section 54(2) of the European Communities (Birds and Natural Habitats) Regulations.	<input checked="" type="checkbox"/>
11.3	Details of any mitigation measures planned for the species affected by the derogation at the location, along with evidence that such mitigation has been successful elsewhere.	<input checked="" type="checkbox"/>
11.4	As much information as possible to allow a decision to be made on this application.	<input checked="" type="checkbox"/>

Part D. Declaration

I declare that all of the foregoing particulars are, to the best of my knowledge and belief, true and correct. I understand that the deliberate killing, injuring, capturing or disturbing of protected species, or damage or destruction of their breeding sites or resting places or the deliberate taking or destroying of eggs is an offence without a licence and that it is a legal requirement to comply with the conditions of any licence I may be granted following this application. I understand that NPWS may visit to check compliance with a licence.

Please note that under Regulation 5 of the European Communities (Birds and Natural Habitats) Regulations 2011-2021 an authorised officer may enter and inspect any land or premises for the purposes of performing any of his or her functions under these Regulations or for obtaining any information which he or she may require for such purposes.

Signature of the Applicant

 Recoverable Signature

Date 14/10/2024

X 

Colm Clarke
Associate Director, Terrestrial Ecology
Signed by: SC_Client_Certificate

Name in BLOCK LETTERS

Colm Clarke

PRIVACY STATEMENT

Please note that under Data Protection legislation Wildlife Licencing Unit staff may only discuss licence applications with the applicant, and not with any third party. See Privacy Statement at www.npws.ie/licences

Appendix I – Supplementary Information to Inform Derogation Application

Explanation as to why the derogation licence sought is the only available option for works and no suitable alternative exists as per Regulation 54 of the European Communities (Birds and Natural Habitats) Regulations

Scott Cawley staff have undertaken a variety of bat-related surveys in relation to impact assessments for plans and projects. Some of these surveys require entry into known or suspected bat roosts at various times of year to determine the presence or absence of bats and the status of the roost site. Often new bat roosts are only revealed during surveys and in the absence of a Regulation 54 Derogation, the survey must cease, preventing collection of information that is required to inform ecological assessments. A Regulation 54 Derogation is therefore requested to enter roosts as part of our standard bat surveys. All surveys follow UK and Ireland good practice guidelines. The entry to

Evidence that actions permitted by a derogation licence will not be detrimental to the maintenance of the populations of the species to which the Habitats Directive relates at a favourable conservation status in their natural range as is required under Section 54(2) of the European Communities (Birds and Natural Habitats) Regulations.

All Irish bat species are listed as 'Least Concern' on the Ireland Red List No. 12: Terrestrial Mammals (Marnell et al., 2019) and are not therefore in any threatened category. Scott Cawley Ecologists follow the below protocols which will ensure the minimisation of disturbance to bats and mean that the grant of the derogation will not be detrimental to the maintenance of the populations of any bat species:

1. For unknown roosts

- a. Check with owner/client re presence of bats.
- b. Check with Bat Conservation Ireland to determine roost records.
- c. Survey for external signs of bats and roost entry points. If positive signs then treat as known /suspected roost.
- d. Entry to possible roost should be made cautiously especially if survey is carried out in the winter period when signs of bats may be difficult to find. Should signs of bats be noted then treat as a known/suspected roost.

2. For known/suspected roosts

- a. Generic measures to include:
 - i. Avoid using roost illumination apart from torches.
 - ii. Talking in low tone is preferred to whispering.
 - iii. Bats seen *in situ* should be counted, photographed only if necessary and then left alone.
 - iv. Handling of bats to confirm identification is only used as a last resort. This may be necessary for suspected Whiskered/Brandt's bat roosts.
 - v. Samples of droppings, dead bats etc may be removed to facilitate species identification.
 - vi. Care to be taken to avoid cooling or warming effects as described below.
- b. During potential hibernation season (November-March), only one person will be permitted to enter roost area. If any hibernating bats are seen to be showing signs of waking then the roost survey will be abandoned immediately.
- c. During the breeding season, known breeding roosts will be avoided unless emergency work is required. This will usually be the subject of a separate derogation licence.

3. Photography in roosts:

- a. Photography will not take place in nursery areas of roosts.
- b. Photography will be minimised in roosts and will comprise taking high-resolution photographs using a standard digital camera with flash at a minimum distance of 3 metres from the bats. This will allow images to be zoomed digitally rather than putting the flash close to bats.
- c. No bats will be handled during photography.
- d. Video footage may be taken of bats emerging from roosts or swarming around roosts and stills taken from this footage.

These measures, which have been designed following consultation with the Bat Conservation Trust and Bat Conservation Ireland, and will serve to minimise disturbance of bats in their roosts by taking photographs.

Details of any mitigation measures planned for the species affected by the derogation at the location, along with evidence that such mitigation has been successful elsewhere

Refer to our response above in relation to bat survey protocols. Additionally, all consultants at Scott Cawley undergo induction training in bat roost inspection under the supervision of a suitably qualified, experienced and licensed staff member before being deployed to survey independently.

As much information as possible to allow a decision to be made on this application.

We enclose pen profiles of Scott Cawley Staff for your information. Scott Cawley abide by the Code of Professional Conduct / Code of Practice for the Chartered Institute of Ecology and Environmental Management. Staff CVs can be provided on request.

Colm Clarke, MCIEEM

Colm Clarke is Associate Director, Terrestrial Ecology at Scott Cawley and has over nine year's professional experience in ecological consultancy. He obtained an honours degree in Natural Sciences from Trinity College Dublin, and a Masters in Biodiversity and Conservation from the same institution. Colm is a full member of the CIEEM, a member of Bat Conservation Ireland and Chairperson of the Dublin Bat Group. Colm is Scott Cawley's lead bat ecologist, and regularly prepares derogation licences for bats and their roosts, and oversees the discharge of licence obligations. As part of this work, Colm provides advice on protected species to clients and contractors. He is licensed to conduct roost inspection and to capture bats by hand, hand net and harp trap. Colm is on the CIEEM's EclA Accreditation Working group, which aims to improve the quality of Ecological Impact Assessment (EclA) Reports through an accreditation process, and he is an assessor on the EclA Pilot Accreditation Scheme. Colm is experienced in scoping, preparing, and reviewing EclA (including EIA Biodiversity Chapters) and in the completion of Appropriate Assessment (AA) Screening and Natura Impact Statement (NIS), and has prepared these reports and acted as internal reviewer (as part of Scott Cawley's quality assurance process) on a range of projects from residential to industrial and large-scale infrastructure (e.g. national road and rail projects). Colm also regularly completes technical peer review and has assessed projects for local authority clients and renewable energy developers. As a member of the Irish Environmental Law Association and regular attendee at IELA seminars, Colm stays abreast of developments in environmental law and how these relate to changes to assessment practices.

Aebhín Cawley CEnv, MCIEEM

Aebhín Cawley is Chief Executive Officer at Scott Cawley and an experienced ecological consultant. She holds an honours degree in Zoology from Trinity College, Dublin and a postgraduate diploma in Physical Planning at Trinity. She is a Chartered Environmentalist (CEnv) with the Society for the Environment (Soc Env) and a Full Member of the CIEEM. Aebhín Cawley is an experienced ecological consultant with extensive experience in public and private sector projects including renewable energy, ports and other major infrastructural developments. Aebhín has undertaken numerous internal inspections of buildings and trees as a standard part of ecological impact assessment on major development projects since 2003, and is familiar with the use of endoscopes for the survey of bats.

Andrew Speer, MCIEEM

Andrew is Chief Technical Officer at Scott Cawley. He holds an honours degree in Zoology from NUI Galway and is currently studying for a Master's degree in Geographic Information Systems (GIS). He is a full member of CIEEM. Andrew has several years' experience as an ecological consultant working on Environmental Impact Assessment and mitigation design for development projects including national road schemes, wind energy projects, light rail, flood relief schemes, infrastructure projects and smaller scale commercial and residential developments. Andrew has undertaken internal inspection in known bat roosts as part of his work assessing the N6 Galway City Ring Road scheme. This has included inspection of lesser horseshoe bat *Rhinolophus hipposideros* maternity roosts at Menlo Castle and Aughnacurra, Co. Galway, and hibernation and mating roosts at cave sites around Galway City. Andrew undertook trapping and handling of this species and other bat species in Galway under the supervision of Paul Scott, and has experience trapping and handling bats in Johnstown Castle and in Marlay Park under licence from the NPWS. Andrew has also recently identified a brown long-eared bat roost in Limerick City using an endoscope.

Ashling Cronin, ACIEEM

Ashling is Chief Operations Officer with Scott Cawley and an experienced ecological consultant. She holds a Masters in Ecological Assessment, an honours degree in Applied Ecology from University College Cork and an Advanced Diploma in Planning and Environmental Law from Kings Inns. She has over ten years' experience in environmental management and environmental / ecological assessment across both the private and public sector. Ashling has provided environmental and ecological support on a variety of planning applications including Strategic Infrastructure Developments (ports and roads), wind farm developments, utilities infrastructure, small to large scale industrial, commercial, residential and mixed use developments. Ashling is a member of Bat Conservation Ireland

and has been a team member for the Car-based Bat Monitoring Scheme in North County Dublin. Ashling has been named on NPWS bat licences previously via Scott Cawley and RPS Group plc.

Tim Ryle

Tim is a Principal Ecologist with Scott Cawley. He has twenty years' experience as an ecological consultant working on Impact Assessment, mitigation design and licenced monitoring for small scale commercial and residential development and large infrastructural projects including National Road schemes and other linear infrastructure including runway development, light rail/transport corridors, flood relief schemes and water distribution projects. He has undertaken bat activity surveys over the years including compliance monitoring and assisted on internal survey and mitigation compliance for known roosts including a Brown Longed Eared bat house roost at Dublin Airport lands (led by Dr. Tina Aughney) as well as the relocation of a tree roost on the M11 Gorey to Enniscorthy Bypass scheme (led by Dr. Caroline Shiel).

Caroline Kelly MCIEEM

Caroline Kelly is a Principal Ecologist with Scott Cawley. She holds an honours degree in Environmental Biology, from University College Dublin (UCD) and a Masters in Applied Ecological Assessment from University College Cork (UCC). Caroline has experience in habitat survey and assessment in a range of terrestrial, freshwater and coastal environments (including protected sites), surveys for protected species (bats, badger, otter), bird surveys (both over-wintering and breeding birds) and surveys for invasive species. Caroline has conducted ecological baseline surveys on road and linear infrastructure projects of strategic importance at the national level. Caroline has a keen interest in environmental legislation and creating awareness about the relevant implications of such legislation for development. She has extensive experience in the preparation of Ecological Impact Assessment (EclA), Appropriate Assessment (AA) Screening and Natura Impact Statements (NIS) reports across a range of projects, including tourism, industrial, transport, residential and renewable energy developments and also acts as internal reviewer (as part of Scott Cawley's quality assurance process) for such reports also. During her MSc, she undertook a full ecological assessment of a 40-hectare woodland site in south-west Wexford, including assessing bat activity and identifying bat flight paths across the site. Whilst working with Scott Cawley, Caroline has been involved in trapping and handling bats, under the supervision of Paul Scott and under licence from NPWS, in Marlay Park, Rathfarnham (2017) and Johnstown Castle, Co. Wexford (2017). She has undertaken internal inspections of bat roosts in Killiney (2017) and Rathfarnham, Co. Dublin (2016) and Galway City (2017). Caroline has used endoscopes to inspect confined areas for roosting bats, including supervising and carrying out pre-felling checks of a number of mature trees along the N52 in Co. Meath (2017).

Lauren Shinkwin MCIEEM

Lauren Shinkwin is a Senior Ecologist with Scott Cawley and has over seven years' professional ecological consultancy experience in preparing Preliminary Ecological Appraisals (PEA), Ecological Impact Assessments (EclA), Appropriate Assessment (AA) Screening reports, and Natura Impact Statements (NIS) for a wide range of projects and plans across Ireland, including for transport, industrial, residential and renewable energy developments. She also acts as a reviewer of internal and external (specialist subcontractor) reports as part of Scott Cawley's quality assurance process. Her role as a Senior Ecologist includes the management of large-scale and ecologically complex national infrastructure projects such as MetroLink, Bus Connects, and the N11/M11 Improvement Scheme. Lauren also has extensive experience designing, managing, and undertaking field surveys (flora and fauna) across a wide range of habitats in Ireland, the U.K., South Africa, and the U.S.A. This includes surveying protected mammal species (e.g., badger, bats, otter), bird species (e.g., winter and breeding birds), habitats, and invasive species.

Lauren has participated in the capture and handling of bats in Marlay Park (2017) under the supervision of Paul Scott. She has also gained experience using an endoscope, under Licence, to inspect bridges for roosting bats as part of a bridge repairs project across the Munster region, and has found a brown long-eared roost using an endoscope in a project in Limerick City in 2018. This proposal is the subject of a project-specific derogation Licence application in 2019.

Síofra Quigley MCIEEM

Síofra is a Senior Ecologist at Scott Cawley. She has a Bachelor of Science degree in Zoology from the National University of Ireland, Galway, and a Masters in Wildlife Biology and Conservation from Edinburgh Napier University. Síofra has six years' experience working as an ecologist in Ireland and Scotland, most of which has involved various techniques of bat surveying on large and small infrastructure projects. This included; bat emergence and re-entry surveys, transect activity surveys, crossing point surveys, back-tracking surveys, deployment of static detectors and subsequent bat call analysis, radio-tracking surveys, building, structure and tree potential roost feature (PRF) surveys and winter hibernation inspections. Síofra is trained in endoscope use of PRFs in buildings, structures, and trees, and has carried out ECoW supervision of disturbance on bat roosts on road schemes. Síofra has carried out cave and mine winter hibernation inspections, and bat box checks under licenced supervision of David Dodds in Scotland. Síofra has completed a bat handling training course delivered by Neil Middleton of Batability in 2023. She has gained experience trapping and handling bats under the supervision of Paul Scott and under licence from the NPWS in Dublin Zoo (2023), and Johnstown Castle, Co. Wexford (2023).

Siofra has undertaken a number of internal bat inspections across Ireland, and has identified roosts of pipistrelle sp., Leisler's bat, brown long-eared bat, Myotis sp. throughout her 6 six years of experience working as an ecologist. Siofra is also a member of BCI and a volunteer in the Wicklow Bat Group.

Eoin Cussen

Eoin Cussen is a Senior Ecologist with Scott Cawley Ltd. He obtained an honours degree in Ecology and Plant Science from University College Cork, and a Masters in Ecological Assessment from the same institution. Eoin has over six year's professional experience in ecological consultancy in Ireland and the UK and has worked with clients at both government and private levels. Eoin has extensive professional experience with vegetation and habitat classification and mapping (including EU Habitats Directive and Fossitt classification), as well as rare, protected and invasive plant species surveying and monitoring. He is experienced in habitat classification and assessment, having carried out numerous small, medium and large-scale habitat mapping projects across Ireland. Eoin routinely designs, undertakes and manages a wide range of protected species surveys including mammals, birds and flora; assesses impacts, designs mitigation and enhancement measures and prepares derogation licences, where required, for planning applications and other development work. Eoin has extensive experience in the preparation of Ecological Impact Assessment (EclA), Appropriate Assessment (AA) Screening and Natura Impact Statements (NIS) reports across a range of projects and plans, including development plans industrial, transport, residential and renewable energy developments. Eoin received bat identification, survey and handling training from Connor Kelleher during his MSc degree and now has over 4 years' of bat survey experience, including roost inspection and assessment.

Caitriona Fenton ACIEEM

Caitriona Fenton is a Senior Ecologist with Scott Cawley Ltd. since September 2024. She has over 10 years of experience in ecological consultancy. She has good experience carrying out preliminary ecological assessments for projects in a wide range of sectors – roads, housing, power, rail, water infrastructure, defence, education and healthcare in the UK. She is an experienced terrestrial ecologist and carries out surveys for bats, breeding birds, badgers, otters, water vole, amphibians and reptiles and habitat classification. She project managed ecological impact assessments for EIA / non-EIA Schemes. She is experienced in the design and delivery of mitigation for bats, amphibians and enhancements for biodiversity. She holds licences from Natural England to survey for bats and great crested newts.

Amir Glick

Amir Glick is a Senior Ecologist with Scott Cawley Ltd. He obtained an honours degree in Biology and Geography from Tel-Aviv University and a MSc in Ecology from Ben-Gurion University of the Negev. Amir has over eight years in ecological and environmental consultancy in Israel. Amir is scheduled to undertake bat roost induction training with Scott Cawley in late 2024.

Cathal O'Brien ACIEEM

Cathal O'Brien is a Senior Consultant Ecologist with Scott Cawley Ltd.,. Cathal is a Qualifying Member of the CIEEM. He has 5-6 years' experience in a range of environmental fields, including surveys for mammals (including bats), flora and habitats, non-native invasive species, wintering birds, breeding birds and amphibians. Cathal has conducted internal and external inspections of buildings and inspections of trees for the presence of potential bat roost features (PRFs) Cathal has acted as Ecological Clerk of Works (ECoW) in a number of projects which have included, further inspection and examination of structures and trees identified as suitable bat roost features and the implementation of mitigation measures stipulated in derogation licences' obtained from the NPWS on several projects. Other ECoW related work Cathal has been involved with entails site visits to assess post construction progress on compensatory compliance measures such as attenuation ponds, planted treelines and implementation of agreed bat sensitive lighting plans. ECoW work has also included presence and absence surveys for nesting birds inside the breeding bird season on live construction phase of projects. Cathal has conducted fieldwork on medium to large scale developments including Strategic Housing Developments (SHDs)/ Large-scale Residential Developments (LRDs) and infrastructure projects such as road and rail upgrade schemes and Cathal has acted as project manager on a number of small to medium scale projects which have involved liaising with the respective clients, scheduling fieldwork and as the main author of the associated reports. Cathal regularly undertakes data management tasks such preparing QField workspaces, editing and/or analysing data following fieldwork such as breeding and winter bird surveys and bat surveys.

Wayne Daly

Wayne Daly is a Senior Consultant Ecologist with Scott Cawley. He holds an honours degree in zoology from UCD and completed his Masters in Biodiversity and conservation at Trinity College Dublin. Wayne has professional experience working in The United States and different parts of Ireland for the last seven years. His work has included conducting habitat assessment surveys, breeding and wintering bird surveys, a range of bat surveys and bat roost inspection surveys, and other terrestrial mammal surveys (e.g. Otter, Badger), Teaching Ecology through public lectures, and leading citizen science programs involving phenology in trees. He has a great interest and enthusiasm in ecology, with a special interest towards mammals, and continues to further his skills with online

courses. Since joining Scott Cawley his work has been assisting with senior ecologists on the collection of ecological data, data analysis, preparation of Appropriate Assessment reports and Ecological Impact Assessment Reports.

Sorcha Shanley

Sorcha Shanley is a Senior Consultant Ecologist with Scott Cawley Ltd. She obtained an honours degree in Natural Sciences from Trinity College Dublin, and a master's degree in Marine Biology from the University of Essex. She has over one year's professional experience in ecological consultancy in Ireland and has experience in both terrestrial and aquatic surveys. She has carried out field surveys for a range of protected species, including bat, otter, badger and breeding and wintering birds. She is also a PADI Master Scuba Diver Trainer and has conducted underwater surveys on habitats, invertebrates and fish. Sorcha undertook an Ecological Clerk of Works role for coastal protection works at two locations within the Dundalk Bay SAC and SPA in 2021, overseeing the implementation of mitigation measures and liaising with contractors and relevant local and government authorities. She also assisted in Ecological Clerk of Works roles on several development sites around Leinster, and in environmental monitoring in the Alexandra Basin Redevelopment Project in Dublin Port. Since joining Scott Cawley, Sorcha has been involved in desk studies for Ecological Impact Assessment and Appropriate Assessment reports and carrying out multidisciplinary surveys to support reports for residential, commercial, and infrastructural projects across Ireland. Sorcha has undergone in-house training in Scott Cawley on inspection of bat roosts, and best practice with regards to the treatment of bats during surveys, under the supervision of Scott Cawley Ltd.'s bat specialist Colm Clarke.

Jared Bennett

Jared is a Senior Consultant Ecologist with Scott Cawley Ltd. since April 2023. He obtained a Master's degree in Environmental Science from University College Dublin. In his previous roles, Jared focused on the development of agricultural data management and research programs. As a plant breeder he developed and managed plant breeding programs with field trials across Europe and North America, and implemented data management procedures to improve quality and accuracy of analysis for commercial proposals. As a Research consultant, Jared supported the development of a research database which required analysing and organising large datasets for integration into the new system. In this role he also consulted on and managed the development of a new plant breeding program in Spain. Since joining Scott Cawley Ltd., he has carried out with field surveys on major road schemes for protected species including bat, wintering birds, and marsh fritillary, and has conducted habitat and invasive plant species surveys. Jared has been involved in desk studies for Ecological Impact Assessment and Appropriate Assessment reports. He has confidence using a range of software for habitat mapping (QGIS) and conducting bat call analysis (BatExplorer), and has given internal training of staff for using BatExplorer.

Suvi Harris MCIEEM

Suvi is a CIEEM accredited Senior Environmental Project Manager with over 11 years' experience in environmental consultancy and over 15 years' experience in the environmental field. Suvi is a member of the CIEEM Action 2030 Working Group. Suvi's PhD focused on modelling contaminants in the marine and soil environment. Suvi has a deep technical understanding of the relevant National and European Legislation which govern environmental protection and planning in Ireland. Throughout Suvi's career she has worked with a multidisciplinary team in the wastewater/water field developing environmental and ecological solutions for engineering challenges. Suvi was the WFD Assessment Team lead for the whole of Ireland (Jacobs Engineering). Suvi leads, coordinates and assists on a range of areas including EIA, AA, PEA, Water Framework Directive Compliance Assessment, Surface Water Impact Assessment, Sustainability Appraisal, Ecological Surveys, Planning, Licensing.

Simon O'Carroll

Simon O'Carroll is a Consultant Ecologist with Scott Cawley Ltd. He holds an honours degree in Natural Sciences (Zoology) from Trinity College Dublin and a master's degree in Conservation and Biodiversity from University of Exeter. Simon has gained field experiences in Gabon, South Africa as well as parts of Ireland over the last seven years, studying with large mammals, habitats and birds. He has carried out numerous bat surveys through Bat Conservation Ireland (BCI), such as the All-Ireland Car-Based Bat Monitoring Scheme in South-East Ireland and has contributed to the All-Ireland Daubenton Waterway Survey in Dublin since 2019. Since working with Scott Cawley, Simon has carried out bat surveys – static detector setup, transects, emergence surveys – as well as contributed to habitat, winter bird and mollusc surveys as part of projects under Transport Infrastructure Ireland (TII).

Bea Jackson

Bea Jackson is a Consultant Ecologist with Scott Cawley Ltd. She obtained an honours degree in Natural Sciences (Botany) from Trinity College Dublin and a research masters in Botany from the same institution. She has carried out field surveys with a focus on vegetation description and analysis during her undergraduate degree and has assisted in terrestrial and aquatic surveys in Sulawesi, Indonesia with Operation Wallacea. Since joining Scott Cawley, Bea has been involved in desk studies and report writing for Ecological Impact Assessment for Irish infrastructural projects, and has conducted surveys for these projects. Surveys completed include bat, winter bird,

breeding newt and habitat surveys. Additionally, she has completed winter bird surveys for BirdWatch Ireland on Sandymount Strand.

Gregor Wood

Gregor Wood is a Consultant Ecologist with Scott Cawley. He holds an honours degree in Animal Biology from Edinburgh Napier University. Gregor has professional experience working as a Countryside Ranger in Scotland, moving to Scott Cawley to pursue a passion for ecology. His work has included conducting wildlife monitoring and reporting on behalf of a Scottish council, conservation and surveying of a local nature reserve, as well as conducting bird, habitat and mammal surveys. Since joining Scott Cawley, Gregor's work involves the collection of ecological data, desktop studies, data analysis and assisting senior ecologists with preparation of reports. Since joining Scott Cawley, Gregor has gained experience in bat survey techniques through internal training sessions, worked on bat activity and emergence surveys, static detector deployment, and bat acoustic analysis.

Jamie Dempsey

Jamie Dempsey is a consultant ecologist with Scott Cawley Ltd. He holds a degree in Mechanical Engineering and a masters degree in Applied Environmental Science from University College Dublin. He has experience in vegetation and aquatic surveys, and has worked as a warden on the Kilcoole Little Tern Conservation programme. Since joining Scott Cawley he has worked on bat activity and emergence surveys, static detector deployment, winter bird surveys, and multidisciplinary surveys for projects across a variety of sectors. He has also contributed to desk studies for Ecological Impact Assessments and Appropriate Assessments. Jamie has completed professional training in bat acoustic identification, and has undergone in-house training with Scott Cawley on PRF identification and best practice bat survey techniques.

Cian O'Flaherty

Cian O'Flaherty is a consultant ecologist with Scott Cawley Ltd. He holds an honours degree in Biology from Maynooth University and a masters degree in Wildlife Conservation and Management from UCD. He has experience in a variety of survey types, primarily focusing on bird and bat surveys across a variety of sectors. Cian volunteers with Birdwatch Ireland as a surveyor for both the countryside bird survey (CBS) and the Irish wetland bird survey (I-WeBS). In 2023 he attended the national bat conference before commencing bat surveys with Scott Cawley. Since joining, Cian has undergone in-house training regarding bat survey techniques and best practice with regard to the treatment of bats during surveys. These surveys included bat activity transects, emergence surveys, external PRF identifications and the deployment of automated bat detectors. He has also completed a course in bat acoustic analysis.

Alison Bourke

Alison Bourke is a consultant ecologist with Scott Cawley Ltd. She holds a honours degree in Agricultural Environmental Science from University College Dublin. She has carried bat surveys with Bat Conservation Ireland (BCI) in 2020 and 2021 which contributed to the All-Ireland Daubenton Waterway Survey. Since joining, Alison has worked on bat activity and emergence surveys, static detector deployment, winter bird surveys and gained experience identification of PRFs on buildings. She has also been gaining broader experience through in-house training with Scott Cawley on winter bird surveys, mammals surveys and technical training on GIS and bat acoustic analysis.

Cliona O'Flaherty

Cliona O'Flaherty is a Senior Consultant Ecologist with Scott Cawley. Cliona holds an honours degree in Zoology from Trinity College Dublin and a Masters of Science in Environmental Sustainability from University College Dublin. She has over six years' experience working as a Senior Marine Biologist in the South Pacific with a further several years' experience working in Environmental Consultancy in Ireland. With over three years consultancy experience, Cliona has a wide range of experience in Ecological Impact Assessment, Wildlife Management and Restoration plans for a variety of projects. Since joining Scott Cawley Cliona has carried out field surveys on national infrastructure schemes for protected species including bat, wintering bird, and other mammal species. Cliona has participated in many internal trainings for habitats, breeding birds, aquatic invertebrates, bat handling, and completed a Wildflower Identification Course recently at ATU Sligo. Cliona has experience contributing to desk studies and report writing for Appropriate Assessments, Natura Impact Assessments, Environmental Impact Assessments, Bat Derogation Licences, and is competent in the use of both desktop and mobile based GIS software.

Barbara Kasl

Barbara Kasl holds a PhD in Zoology from the University of the Witwatersrand in Johannesburg, South Africa, and has joined Scott Cawley Ltd. as a Senior Ecologist. Her professional development, largely based within the environmental legislative setting of South Africa, exposed her to technical environmental consulting and reporting, ranging from pre-development impact assessment through to post-development monitoring and auditing. She eventually settled into her role as an independent terrestrial fauna ecologist, consulting within the EIA sector. She brings to Scott Cawley 20 years' experience in ecological and environmental consulting in the impact assessment

sector, with core strengths in impact assessment and technical report writing. Barbara has gained experience in bat survey techniques through internal training sessions with Scott Cawley.

Ita Sherlock

Ita is a Seasonal Bat Ecologist with Scott Cawley Ltd. since April 2024, having previously done worked with a local ecology practice, drafting Appropriate Assessment Screening and Environmental Impact Assessment reports for small projects and performing basic habitat surveys. She obtained a First Class BSc in Environmental Science from the Open University, having transitioned into ecology from a career in tech, working as a product manager. In her previous roles, Ita created complex product strategies and project managed product delivery teams, often across multiple locations, working with a variety of stakeholders, including customers. She managed post-launch product support, ensuring a high level of responsiveness and quality of service. She engaged in data-driven decision making, analysing and interpreting vast volumes of end-user behaviour data in Excel, Looker and Tableau. Ita has volunteered on pollinator surveys at the National Biodiversity Data Centre for three years, and is a volunteer warden for Louth Nature Trust, helping to safeguard little tern nests. She volunteered at the Irish Peatland Conservation Council, performing small heath and marsh fritillary surveys in 2022-2023. At Scott Cawley, she has carried out bat field surveys, including roost emergence, transects and using static devices. Ita is an experienced user of QGIS for both habitat mapping and survey planning tasks, and has conducted bat call analysis on both BatExplorer and Kaleidoscope Pro.

Carla Deane

Carla is a Consultant Ecologist with Scott Cawley Ltd. Since September 2024. Prior to this she worked two Seasonal Bat Consultant seasons, amounting to 1 yr bat ecologist experience. She obtained her master's degree in Marine Biology from University College Cork and her undergraduate degree in Zoology from University College Dublin. Her previous experience consists of a mix of ecological surveying, volunteering and academic research. Carla has experience in population management, assisting with a deer management programme in Phoenix Park, and conducting research on squirrel populations in different urban parks across Dublin. She is MMO certified, and all other experience is marine based and varies from fisheries management, community engagement, coral health, fish population and elasmobranch research. Since joining Scott Cawley Ltd., Carla has worked on bat activity and emergence surveys, static detector deployment, smooth newt surveys, habitat surveys and gained experience in identification of PRFs on buildings and trees. She is adept at acoustic analysis with large data sets using BatExplorer and experienced in data management through GIS. She has also been furthering her experience through in-house training with Scott Cawley on winter bird surveys, mammal surveys and habitat classification.

Scott Bastow

Scott is a Consultant Ecologist with Scott Cawley Ltd. since April 2024. He obtained his undergraduate degree in Zoology from Trinity College Dublin. His previous experience consists of a mix of ecological surveying and academic research. During his time at Dublin Zoo Scott lead the Conservation and Research team in conducting invertebrate surveys and was involved with several research projects. During his time in this role, he coauthored an academic paper on the influence of environmental management practices on the foot health of flamingos which was published in the journal *Animals* in 2023. As a Graduate Ornithologist Scott undertook various types of bird surveys on several proposed and active wind farm sites, including species-specific surveys such as hen harrier roost surveys. While in this role Scott also played a key part in his team's management and standardisation of field data. Since joining Scott Cawley Ltd., Scott has carried out ecological surveys for bats and breeding birds. Scott is a capable bat call analyst and is experienced working with large datasets in BatExplorer. He is adept at data management through QGIS and Excel. Scott has experience in bat activity transect surveys and roost presence/absence surveys.

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