



CURRICULUM VITAE

SIMON BARRON

B. Sc. (Hons), MCIEEM, CEnv

EDUCATION

1991 – 1994 University of Plymouth
Grade 2:1, B.Sc. (Hons.) in Geography. Modules studied include Biological Conservation, Environmental Impact Assessment, Vegetation Patterns and Processes and Surveying and Cartography.

CAREER HISTORY

Director of Ecology, BEC Consultants.

July 2004 – Present

Project manager and senior ecologist for many projects carried out at national, regional and site specific scales. These include the Pilot Survey and Phases 1-4 of the National Survey of Upland Habitats (2008 – on-going) and the National Survey of Irish Sea Cliffs. I have also been project manager and lead ecologist for a number of rare plant translocation and monitoring projects. I have completed a number of Appropriate Assessments (AA), Ecological Impact Assessments (EclA), Alien Invasive Species Surveys (AIS) and rare plant surveys. I am proficient habitat surveyor and botanist and have excellent report writing skills. As Director of Ecology I also have responsibility for company development, staff management and recruitment, and sit on the Senior Management Team, Project Management Team and Health and Safety Committee. A selection of projects I have worked on recently with BEC is listed below:

- *Scientific Assistant for Blanket Bogs* – Ecologist. In this three-year role I worked full-time for NPWS assisting with the development of a management system for turf-cutting areas within SACs. Current and historic turf-cutting within the designated areas was identified using remote sensing methods, field survey approaches were piloted and the use of LiDAR data in the assessment of impacts to blanket bog was trialled. I was part of the Irish Blanket Bog Delegation which met with the EU Commission in September 2016 and assisted with the preparation of the presentation
- *National Survey of Upland Habitats* – Project Manager. The aims of the Pilot survey were to devise an efficient strategy for conducting the National Survey of Upland Habitats and these methods have been applied to almost 1000 km² of upland habitat in Ireland.
- *Marsh fritillary surveys of Kerry and Clare* – Project Manager/Ecologist. This NPWS funded project involves the identification of areas potentially suitable for supporting marsh fritillary using existing data sources such as the Irish Semi-natural Grasslands Survey and county wetland surveys.
- *Galway City Outer Bypass preliminary ecological surveys* – Project Manager/Lead Ecologist. The aim of these surveys was to identify ecological constraints associated with the Galway City Outer Bypass for Scott Cawley Consultants/Arup Consulting Engineers. Habitat mapping within a section of the Lough Corrib SAC and survey work for larval webs of marsh fritillary was carried out.
- *MISE ecological networks in Co. Waterford* – Ecologist. The aims of this project were to compile existing habitat data for Co. Waterford, identifying ecological networks and habitat corridors and also potential gaps in the county network and mapping habitats at selected locations within the county. I was responsible for sourcing and assessing datasets and then compiling them into a GIS, in addition to identifying locations for survey, preparing field maps, carrying out the habitat surveys and providing expertise on the mammal species.

- *Mitigation measures for rare plants, Limerick Tunnel and southern ring-road* – Project Manager/Lead Ecologist. Construction of the Limerick tunnel and southern ring-road involved impacts on three legally protected plants: Meadow Barley (*Hordeum secalinum*), Opposite-leaved Pondweed (*Groenlandia densa*) and the nationally scarce Triangular Club-rush (*Schoenoplectus triquetus*). The project involved the development and implementation of effective mitigation measures to minimise impacts on these plants.

SKILLS & ADDITIONAL INFORMATION

Ecological field survey work and report writing, including ecology sections of Environmental Impact Statements, Appropriate Assessments, Phase 1 Habitat Surveys, sample collection and analysis of the ecological distribution of mammals, invertebrates, birds and vegetation patterns. Interpretation of aerial photographs and the digital mapping of habitats using GIS mapping. Experienced in faunal surveys including surveys for badger, otter, red deer, kingfisher and white-clawed crayfish. Also desktop analysis of data and digital presentation of results showing population dynamics and behavioural ecology. Experienced in applied conservation techniques such as rare plant translocations and long-term monitoring. Presentations at national conferences and occasional lecturing at Trinity College Dublin. A high level of computer proficiency including Microsoft Word, Excel, Power Point and ArcMap GIS.

Membership of Professional Organisations

Full Membership of the Chartered Institute of Ecologists and Environmental Managers and a Chartered Environmentalist. As such, I work under a professional code of conduct and I am committed to a programme of professional development through my career.

SELECTED REPORTS AND PUBLICATIONS

Barron, S.J., & Daly O.H. (2018) Revised alien invasive species survey for the proposed Loughshinny Pumping Station and Rising Main Project. Unpublished Report for J.B. Barry Ltd, by BEC Consultants Ltd., Dublin.

Barron, S.J. (2018) Year 3 overarching report of the scientific work to inform a system for the management of turf-cutting in designated blanket bog SACs and NHAs. Draft Report. National Parks and Wildlife Service, Department Culture, Heritage and the Gaeltacht, Dublin, Ireland.

Barron, S.J. (2017) Turf-cutting GIS Review Volumes 1 & 2 - Draft Reports. National Parks and Wildlife Service, Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs, Dublin, Ireland.

Barron, S.J., & Perrin, P.M. (2014) National Survey of Upland Habitats (Phase 4, 2013-2014), Summary Report. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Barron, S.J., O'Neill, F.H. & Martin, J.R. (2014) Galway City Transport Project – Habitat mapping and assessment of a section of Lough Corrib SAC and surrounding areas. Unpublished Report by BEC Consultants Ltd.

Perrin, P.M., **Barron, S.J.**, Roche, J.R. & O'Hanrahan, B. (2014) Guidelines for a national survey and conservation assessment of upland vegetation and habitats in Ireland. Version 2.0. *Irish Wildlife Manuals*, No. 79. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.

O'Neill, F.H. and **Barron, S.J.**, Smith G.F. & Brophy J.T. (2013) A preliminary habitat corridor map of Co. Waterford. Report to Waterford County Council.

Barron, S.J. and Perrin P.M. (2013) Monitoring of Meadow Barley (*Hordeum secalinum*) and Great Burnet (*Sanguisorba officinalis*) at Aughinish Alumina, Co. Limerick 6th Annual Report. Report to Aughinish Alumina Ltd & National Parks and Wildlife Service.