



## CURRICULUM VITAE

KATE MCNUTT

B.Sc. (Hons), Pg.Dip, M.Sc., PGCHE

### EDUCATION

2013 – 2019	University of Kent, UK Ph.D. (Unfinished) Course title “Biodiversity Conservation” Proposed thesis: Motivations for gathering wild edible plants, and associated values, in both rural and urban populations in South-East Brazil.
2014 – 2018	University of Kent, UK PGCHE (Pass) Course title “Post Graduate Certificate in Higher Education”
2012 – 2013	University of Kent, UK M.Sc. (Distinction) Course title “Conservation and Rural Development” Thesis: Evaluating the Importance of Non-timber Forest Products among the Baka of Northern Gabon
2010 – 2012	University of Ulster, Coleraine Campus Pg.Dip (Distinction). Course title “Geographic Information Systems”
2000 – 2004	University of East Anglia, UK B.Sc. Ecology with a Year in Europe (1st class Honours) Thesis: 'The Spatial Distribution of Crustacean Eggs of Resistance and Plant Seeds in the Sediment of a Temporary Pond in the Vars Region in the South of France'.
1995 – 2000	Loreto Community School, Donegal, Ireland. Leaving Certificate: Art, Geography, Biology, French, Irish, English, Maths.

### CAREER HISTORY

<b>Senior Ecologist, BEC Consultants</b>	Jan 2025-present
Duties involve project management, tender preparation, report writing, data entry/analysis and conducting desk-based research. Field based activities involve conducting botanical surveys in a wide range of habitats, involving the collation of relevé data, environmental/ structural data, conducting habitat mapping and condition assessments. Technical responsibilities include providing company GIS project support including spatial database creation/ management, dataset cleaning, digital mapping and map production.	
<b>Freelance Ecologist (primary client BEC Consultants Ltd)</b>	Mar 2019-Dec 2024
Involvement in numerous projects including botanical surveys, data analysis and report writing tasks. Projects range from small specialist surveys for development projects, through to extensive field involvement in large national-scale survey and monitoring projects, as well as the Farm Plan scheme.	
<b>Contract Ecologist, Scott Cawley Ltd</b>	Aug 2014-Sep 2014
Phase I surveying in a variety of habitats as part of the Galway by-pass project.	
<b>Contract Ecologist, FERS Ltd</b>	May 2014-Jul 2014
Digitisation of Coillte woodland types with ground-truthing fieldwork as part of a hen harrier project.	
<b>Graduate Teaching Assistant, University of Kent</b>	Sep 2013-Mar 2018
Lecturing and assisting with practical workshops for a course on Geographic Information Systems software. I also was one of the primary organisers of a two-day international conference.	
<b>Consultant Ecologist, BEC Consultants Ltd</b>	Jun 2006-Sep 2012
Botanical surveys and habitat mapping, leading of field teams, desk-based research, tender and report writing, GIS management and analysis, data management, analysis and presentation. Besides assisting in large projects, I was also responsible for small project management.	
<b>Resolutions Agent, PayPal</b>	Nov 2005-Jun 2006
<b>Sales Agent, Capita</b>	Mar 2005-Nov 2005
<b>Research Volunteer, Bat Conservation Madagascar</b>	Dec 2004-Jan 2005
<b>Participant on Tropical Biology Course in Kirindy Forest, Madagascar. TBA, UK</b>	Nov 2004
<b>Social Research Interviewer, Faculty of Social Sciences, UEA, Norwich, UK</b>	Sep 2004-Oct 2004
<b>Student Placement, Laboratoire de Biodiversité Aix-Marseille II, Marseille, France</b>	May 2002-Jul 2002

## SELECTED PROJECTS

- *Farm Plan Grassland Monitoring, 2025-present (BEC Consultants Ltd for NPWS)* – Project manager and Senior Ecologist. Surveying NPWS farm plan sites with known Annex I grassland, the Annex I habitat condition being assessed and management recommendations being made.
- *National Fen Survey, 2021-present (BEC Consultants Ltd for NPWS)* – Field Ecologist, relevé collection, GIS data cleaning, generation of GIS data and maps for the report. I surveyed 176 fen sites during five years.
- *A botanical and habitat report for the area buffering the access track to the Truskmore mast, 2025 (BEC Consultants Ltd)* – Senior Ecologist. Surveyed upland habitat on Truskmore Mountain.
- *Review of Coastal Monitoring Data, Jan-Mar 2025 (BEC Consultants Ltd for NPWS)* – GIS Co-ordinator and Senior Ecologist. I reviewed the final data set and final reports, correcting for systematic errors and consistency.
- *Survey of Higher-Quality Dry Grassland at Carrickmines Great, 2024 - (Enviroguide Ltd)* – Conducted an in-depth and high precision survey of grassland at a development site, indicating the precise locations of higher quality grassland for possible translocation/protection.
- *Article 17 monitoring and assessment of *Petalophyllum ralfsii*, *Hamatocaulis vernicosus*, *Saxifraga hirculus* and *Calaminarian Grassland*, 2023-2024, (Nimbosa Ecology Ltd).* – GIS co-ordinator. I assisted in all GIS aspects of the project, from setting up data collection tools on QField to cleaning, collating, analysing and reporting on the GIS data.
- *National coastal habitat monitoring project, 2022-2024 (KRC Ltd for NPWS)* – Field Ecologist . An NPWS project monitoring coastal habitats, I mapped habitat change, noted threats and impacts, and conducted assessment stops in the various coastal Annex I habitats (1310, 1330, 1410, 1420, 1210, 1220, 2110, 2120, 2130\*, 2140\*, 2150\*, 2170, 2190). I assisted in developing a QField data collection tool, and I assisted in fieldwork on about nine sites around the eastern and southern coast and wrote a site report for the Bannow Bay SAC.
- *Irish Vegetation Classification (IVC) Survey on a sand dune site, 2024 (Avrio Ltd)* – Senior Ecologist. Conducted an in-depth habitat survey of a small coastal site proposed for development.
- *National Vegetation Classification (NVC) surveys, 2023 (Avrio Ltd)* – Senior Ecologist. I conducted in-depth habitat surveys using the NVC on about 24ha of land over three upland sites in Northern Ireland due for development, assessing the conservation value of Annex I upland habitats.
- *National Parks and Wildlife Service (NPWS) Farm Plan Schemes, 2021-23 (Philip & Farrelly Ltd)* – Field Ecologist/ GIS Assistant. Tasks: Field surveys and assisting spatial data management. I have been involved in about 20 farm plan schemes in various capacities.
- *Survey and assessment of an Annex I alluvial woodlands, 2022 (Enviroguide Ltd)* – Lead Ecologist.. Conducted an in-depth survey of a 4ha site with wet woodland in County Wexford, assessed it's conservation value and the possible impacts of a proposed development.
- *Habitat survey and assessment of hedgerows on a development site, 2022 (Enviroguide Ltd)* – Senior Ecologist. Conducted a thorough habitat survey and assessment of a hedgerow network on a proposed 3ha development site in County Dublin as part of an EclA report.
- *Upland habitat survey for infrastructure development, 2022 (Tobin Ltd)* – Lead Ecologist. Conducted a survey of a 16ha upland area proposed for a windfarm development.
- *Habitat survey and assessment of hedgerows on a development site, 2021 (Enviroguide Ltd)* – Senior Ecologist. Conducted a survey and assessment of Annex I alluvial woodlands as well as an appraisal of hedgerows on a 14ha site in County Dublin as part of an EclA report.
- *The monitoring and assessment of three Annex I grassland habitats, 2021-2022 (BEC Consultants Ltd for NPWS)* – Field Ecologist. Monitored habitat change, threats and impacts, and conducted monitoring stops in the Annex I grassland types (6210/6210\*, 6410, 6510) across 13 sites (of 116).
- *Upper Lough Erne surveys, 2021 (BEC Consultants Ltd for DAERA)* – Field Ecologist. Assisted in data collection for a mapping validation and survey of threats and impacts of Annex I woodland and fen habitats around the Upper Lough Erne in Northern Ireland to inform a management plan.
- *Basic GIS Course, 2021 (Philip Farrelly & Co Ltd)* – Designed and ran a one-day GIS course.
- *Pilot Fen Survey, 2019-2020 (BEC Consultants Ltd for NPWS)* – Field Ecologist. Participated in trialling the field methodology.
- *Threats and impacts on Annex I woodlands in Northern Ireland, 2020 (BEC Consultants Ltd for DAERA)* –Field Ecologist. During three weeks, assisted in data collection for a survey of threats and impacts of Annex I woodlands (specifically 91A0) in Northern Ireland.
- *Sand Dune monitoring, 2019 (BEC Consultants Ltd for NPWS)* – Field Ecologist. Assisted in data collection for a botanical sand dune survey in County Wicklow.
- *Bryophyte Survey of Torc Waterfall, 2019 (Rory Hoddd)* – Field assistant.

- *Galway city transport project, 2014 (Scott Cawley Ltd) and 2019 (BEC Consultants Ltd)* – Field Ecologist. Completed detailed relevé recording within a variety of habitats.
- *Phase I Survey, 2014 (Fellgrove Environmental Ltd)* – Field Ecologist. Conducted phase I survey and report of about 5km<sup>2</sup> of arable farmland and woodland in Kent.
- *Hen Harrier Project, 2014 (FERS Ltd)* – Interpretation of aerial photographs and digitisation of Coillte woodland types with associated ground-truthing fieldwork trips.
- *National Survey of Upland Habitats, Pilot Phase and Phase 1, 2011-2012, (BEC Consultants Ltd for NPWS)* – GIS Co-ordinator/ Field Ecologist. Managed all GIS aspects of the project in initial phase. Field based activities included vegetation mapping, relevé recording and condition assessments of all upland Annex I habitat types. Surveyed four upland SACs across Ireland.
- *Woodland monitoring survey, 2011-2012 (BEC Consultants Ltd for NPWS)* – Field Ecologist. Mapped habitat change, threats and impacts and conducted monitoring stops in two Annex I woodland types: \*91E0, 91A0.
- *Digitisation of the National Survey of Native Woodland Sites, 2010 (BEC Consultants Ltd for NPWS)* – GIS technician.
- *Irish semi-natural grasslands survey (ISGS), 2007-2012 (BEC Consultants Ltd for NPWS)* – Field Ecologist. Main duties comprised participating in the baseline mapping and monitoring of five Annex I grassland habitats (6210, 6210\*, 6230\*, 6410 and 6510), often leading field teams. Tasks involved vegetation mapping, relevé recording and conducting conservation assessments, digitisation, management and collation of GIS data.
- *National Survey of Native Woodland (NSNW), 2006-2008 (BEC Consultants Ltd for NPWS)* – Field Ecologist and GIS technician. Conducted field surveys, data cleaning and data collation for reports, and GIS mapping.

## SKILLS & ADDITIONAL INFORMATION

- Extensive experience in GIS, including ArcGIS, QGIS and QField (including designing data collection tools).
- Proficient in the use of the Microsoft Office Suite (Word, Excel and Powerpoint) and TurboVeg.
- Experienced in using packages for analysis of ecological data such as SPSS and PC-ORD.
- Experienced in using NVivo for qualitative data analysis.
- I have a foundation in MySQL, HTML, JavaScript, Visual Basic, and ERDAS IMAGINE.
- High level of proficiency in accurate data entry and data analysis.
- Excellent knowledge of field survey techniques, plant and habitat identification, including use of the Fossitt, EU Annex I, IVC, NVC and JNCC habitat classification systems.
- Experienced in using a variety of field and laboratory equipment.
- Regularly attend courses as part of Continuing Professional Development (CPD).
- REC 3 First Aid qualification. Safe Pass qualification.
- Successfully completed the Mountain Skills Course 1 and 2.
- Full, clean driving licence; own vehicle.
- I have advanced French and Brazilian Portuguese, and intermediate Italian.
- I am trained in social science research methods: interviewing, focus groups and questionnaires.
- I have a foundation in environmental anthropology.
- Teaching skills gained from 270 hours as a graduate teaching assistant, a PGCHE and TEFL certificate.

## SELECTED PUBLICATIONS & REPORTS

- McNutt, K.** (2024). *Survey of Higher-Quality Dry Grassland at Carrickmines Great*. Report for Enviroguide Ltd, Dublin.
- McNutt, K.** (2024). *IVC Phase 2 Habitat Survey for Development Site at Strandhill*. Report for Avrio Ltd, Fermanagh.
- McNutt, K.** (2023). *NVC Phase 2 Habitat Survey for Telecommunications Mast Development Site at Glendun*. Report for Avrio Ltd, Fermanagh.
- McNutt, K.** (2023). *NVC Phase 2 Habitat Survey for Telecommunications Mast Development Site at Slieveenane*. Report for Avrio Ltd, Fermanagh.
- McNutt, K.** (2023). *NVC Phase 2 Habitat Survey for Telecommunications Mast Development Site at Tievedockaragh*. Report for Avrio Ltd, Fermanagh.
- McNutt, K.** (2022). *In-depth Flora Survey and Hedgerow Assessment at Carrickmines Great*. Report for Enviroguide Ltd, Dublin.
- McNutt, K.** (2022). *Alluvial woodland survey for Clonard School Development*. Report for Enviroguide Ltd, Dublin.
- McNutt, K.** (2021). *Hedgerow Appraisal for Ecological Impact Assessment Report*. Report for Enviroguide Ltd, Dublin.

- McNutt, K.** (2021). *Alluvial Woodland Survey for Ecological Impact Assessment Report*. Report for Enviroguide Ltd, Dublin.
- McNutt, K.** (2013) Evaluating the Importance of Non-timber Forest Products among the Baka of Northern Gabon. Master's thesis, University of Kent, UK.
- McNutt, K.** and Barron, S. (2011). *Midlands Prison Extension, Portlaoise – Ecological Assessment for BREEAM*. Report for Glenbeigh Construction Ltd, Dublin.
- Scher O., **McNutt, K.** and Thiéry A. (2010). Designing a standardised sampling method for invertebrate monitoring: a pilot experiment in a motorway retention pond. *Limnetica*, **29** (1): 121-132.
- O'Neill, F.H., Martin, J.R. and **McNutt, K.** (2010). The digitisation of woodland habitats surveyed as part of the National Survey of Native Woodlands. National Parks & Wildlife Service, Dublin.
- McNutt, K.** (2010). *A Survey of Marsh Fritillary (Eurodryas aurinia) and Bumblebees (with an Emphasis on the Rarer Bee Species) in Areas of Annex I habitat*. Heritage Council, Kilkenny.
- O'Neill, F.H., Martin, J.R., Devaney, F.M., **McNutt, K.E.**, Perrin, P.M. and Delaney, A.M. (2010) *Irish Semi-natural Grasslands Survey Annual Report No. 3: Counties Donegal, Dublin, Kildare & Sligo*. National Parks & Wildlife Service, Dublin.
- McNutt, K.** and Barron, S. (2009) *Habitat Survey and Ecological Assessment of Coonagh, Co. Limerick*. Report for Nicholas de Jong Associates, Limerick.
- O'Neill, F.H., Martin, J.R., Perrin, P.M., Delaney, A.M., **McNutt, K.E.** & Devaney, F.M. (2009) *Irish Semi-natural Grasslands Survey Annual Report No. 2: Counties Cavan, Leitrim, Longford & Monaghan*. National Parks & Wildlife Service, Dublin.
- Martin, J.R., Perrin, P.M., Delaney, A.M., O'Neill, F.H. & **McNutt, K.E.** (2008) *Irish Semi-Natural Grasslands Survey Annual Report No. 1: Counties Cork & Waterford*. National Parks & Wildlife Service, Dublin.
- Perrin, P., Martin, J., Barron, S., O'Neill, F., **McNutt, K.** & Delaney, A. (2008) *National Survey of Native Woodlands 2003-2008 (2 Volumes)*. National Parks & Wildlife Service, Dublin.
- Martin, J., Barron, S., **McNutt, K.** and Perrin, P. (2006) Interim Report for the third phase of the National Survey of Native Woodland in Ireland. National Parks & Wildlife Service, Dublin.