



CURRICULUM VITAE

KATE E. MCNUTT
B.Sc. (Hons.) MIEEM

EDUCATION

- 2010 – present Pg.Dip Geographic Information Systems (GIS), part-time, University of Ulster, Northern Ireland (long-distance learning)
- 2000 – 2004 B.Sc (Hons.) Ecology with a Year in Europe, First Class Hons., University of East Anglia, Norwich
Research Project: *The Spatial Distribution of Crustacean Eggs of Resistance and Plant Seeds in the Sediment of a Temporary Pond in the Vars Region of France.*
- 1995 – 2000 Loreto Community School, Donegal
Leaving Certificate: Higher Art, Biology and Geography. Ordinary Maths and Irish.

CAREER HISTORY

Consultant Ecologist, BEC Consultants. June 06 – present (full-time)

Key duties and skills include project management, extensive botanical and habitat surveying, assessment of EU Annex I habitats, leadership of field-survey teams, use of mobile-mapping equipment, aerial photograph interpretation, digitisation and analysis using GIS, data analysis and presentation, data management, tender and report writing, identification of bryophyte specimens.

Project involvement includes:

- Midlands Prison extension BREEAM ecology report (project manager)
- The Sand Dune Monitoring project
- The National Survey of Upland Habitats
- The Irish Semi-Natural Grassland Survey (lead ecologist for Co. Sligo in 2010)
- NSNW Digitisation (GIS manager)
- A Heritage Council funded Survey of Marsh Fritillary and Bumblebees (project manager)
- Habitat Map and Management Plan of Coonagh, Co. Limerick (project manager)
- The National Survey of Native Irish Woodlands (NSNW)
- The Monaghan Wetland Survey

Research Volunteer with Bat Conservation Madagascar, Madagascar. Dec 04 & Jan 05

This involved collection of behavioural data of the Malagasy Flying Fox, *Pteropus rufus*, whilst working with local people. I also assisted in the mist netting of Microchiroptera.

Participant on Tropical Biology Course in Kirindy Forest, Madagascar. Tropical Biology Association (based in Cambridge). Nov 04.

Practical engagement with up-to-date concepts and techniques in tropical ecology and conservation.

Research Project: *Vertebrate Dispersal and Predation Processes of Seeds and Seedlings in a Species of Strychnos in a Dry Deciduous Forest in Western Madagascar*

Assistant, Woodsmoke – School of Wilderness Living Skills, UK. Jul 01,04, Aug 09, Sept 10

Supported instructors teaching plant lore, tracking, and both expedition and bushcraft skills

Student Placement, Laboratoire de Biodiversité Aix-Marseille II, Marseille. May 02 - Jul 02

Aided a PhD student in a project that was subsequently published. Tasks included literature research, aiding experiment design, field work and extensive identification of aquatic invertebrate samples.

Research Project: *Development of a Method of Quantitatively Sampling Freshwater Invertebrates Using Artificial Substrates.*

SKILLS & ADDITIONAL INFORMATION

Communication & Interpersonal Skills

- Excellent report writing skills.
- Public speaking experience includes presenting at IPSAM.
- Teaching skills acquired from a 100 hour TEFL certificate, and assisting at Woodsmoke.
- I am fluent in both written and spoken French. I also have intermediate Italian and Portuguese as well as elementary Spanish. My enthusiasm for languages reflects a lifelong curiosity with regard to people and culture.
- I work successfully as an individual. This is most recently demonstrated by the self-discipline required by my long-distance study, during which I have consistently gained high marks.
- I have a developed leadership style. I have successfully managed three projects within BEC Consultants besides also often acting as lead ecologist of field survey teams, using my own enthusiasm for the task in hand to motivate my team. As a leader I maintain a clear understanding of my own responsibilities and when necessary am ready to go the extra mile to ensure project success.
- I work well within a team, having worked closely with colleagues at BEC Consultants on many projects, often during extended periods of fieldwork. I am always eager to contribute my skills and share knowledge, be flexible, respect and learn from others opinions and be considerate.

Computing & Word Processing

- My work and studies have given me a high level of proficiency in database design, data entry, data analysis and report writing.
- I am proficient in the use of Microsoft Word, PowerPoint, Excel and Access, ArcMap GIS, SPSS and TurboVeg. I am also comfortable using ERDAS IMAGINE, PC-ORD, Recorder, Visual Basic Express and MySQL.
- I have completed a Professional Development course in GIS at DIT, Dublin (2007/2008) and am currently studying a part-time Pg.Dip. in GIS with the University of Ulster.

Identification Skills

- I have excellent plant species identification skills, including bryophytes.
- I have diverse experience in aquatic invertebrate identification.
- I have experience in identifying Irish butterfly and bumblebee species.
- As a complement to the above proficiencies I have a broad knowledge of natural history.

Other Skills

- I hold a full clean driving licence, with own vehicle.
- I hold an up-to-date first aid certificate issued by St. Johns Ambulance.
- I hold a current FÁS SafePass.

Professional Memberships

- I am a full member of the Institute of Ecology and Environmental Management. As such, I work under a professional code of conduct and I am committed to a programme of professional development through my career.

PUBLICATIONS

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., 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*. Unpublished report submitted to the National Parks & Wildlife Service.

Martin, J.R., Perrin, P.M., Delaney, A.M., O'Neill, F.H. & **McNutt, K.E.** (2009) *Irish Semi-Natural Grasslands Survey Annual Report No. 1: Counties Cork & Waterford*. Unpublished report submitted to the National Parks & Wildlife Service.

Perrin, P., Martin, J., Barron, S., O'Neill, F., **McNutt, K.** & Delaney, A. (2008) *National Survey of Native Woodlands 2003-2008* (2 Volumes). Unpublished report submitted to the National Parks & Wildlife Service.