



## **HENRY ANDREWS CEcol MCIEEM MRSB**

Chartered Ecologist

henry.andrews@aecol.co.uk

07896 013 007

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### **Professional Profile**

Chartered Ecologist with over 20 years' experience of delivering ecological assessments, licences, and advisory services across the UK. Recognised for specialist expertise in Environmental Impact Assessment (EIA), Habitat Regulations Assessment (HRA), and the application of scientific rigour in ecological consultancy. Known for translating complex environmental data into clear, proportionate advice in plain English.

### **Scientific & Professional Standing**

I have established a modest standing in the scientific community through the founding of the Bat Tree Habitat Key (BTHK) and Bat Rock Habitat Key (BRHK) projects. These initiatives have led to two books published by Pelagic Press: *Bat Roosts in Trees* and *Bat Roosts in Rock*.

Alongside this work, and amongst other papers and reviews, I have collaborated with other specialists to produce the Bat Prey Species Associations (BPSA) framework and the Derived Roost System Radius (DRSR) method for predicting proportionate Root Protection Areas for Ancient and Veteran trees. I continue to contribute to a wide range of other projects, spanning habitats, amphibians, reptiles, birds, and mammals.

### **Core Expertise**

- Environmental Impact Assessment (EIA)
- Habitat Regulations Assessment (HRA)
- Ecological survey design, performance and data interpretation
- Mitigation, compensation and enhancement design
- Protected Species Licensing
- Restoration and habitat creation advice
- Monitoring design
- Ecological Clerk of Works (ECow)
- Mentoring and training

### **Qualifications**

- **MSc** – Biological Recording – Collection and Management
- **PG Cert** – Biological recording and Species Identification
- **CS38** - Tree Climbing and Aerial Rescue
- **IPAF** – MEWP (Cherry Picker), Scissor and static Boom Lift
- **LANTRA** – Chainsaw and brush-cutter operation
- **BC** – 1\*, 2\* and White-water Canoeing

## Professional Memberships

- **CEcol MCIEEM** – Chartered Ecologist and full member of the Chartered Institute of Ecology and Environmental Management
- **MRSB** – Full member of the Royal Society of Biology

## Publications

### Books: -

BTHK 2018. *Bat Roosts in Trees – A Guide to Identification and Assessment for Tree-Care and Ecology Professionals*. Pelagic Publishing, Exeter

BRHK 2021. *Bat Roosts in Rock – A Guide to Identification and Assessment for Climbers, Cavers and Ecology Professionals*. Pelagic Publishing, Exeter

### Scientific papers: -

Andrews H, Pearson L, McGill J & Mullholland J 2019. Introducing the “Derived Root-system Radius” – An attempt at an evidence-supported-calculation for calculation of buffer zone size in respect of Ancient Semi-natural Woodland, Ancient Trees & Veteran Trees. *Arboricultural Journal*, doi.org/10.1080/03071375.2019.1642044

Petrovan S, Al-Fulaij N, Christie A & Andrews H 2022. Why link diverse citizen science surveys? Widespread arboreal habits of a terrestrial amphibian revealed by mammalian tree surveys in Britain. *PLoS ONE* 17(7): e0265156

### Professional publications & Scientific reports: -

Andrews H & Gardener M 2015. *Surveying Trees for Bat Roosts: Encounter Probability v. Survey Effort*. In Practice – Quarterly Journal of the CIEEM, Winchester

Andrews H & Pearson L 2022. *Review of empirical data in respect of emergence and return times reported for the UK's native bat species: Version 7 – 14th May 2022*. AEcol – Andrews Ecology, Barnstaple

BTHK 2023. *Part 1 of 3 – Guide to the formation and identification of Potential Roost Features (PRF), and classification of wooded habitat. Part 2 of 3 – Desk-Study, Ground-Truthing & Close-Inspection framework – Instructions – v.1 – Jan 2023*. BTHK 2023. *Part 3 of 3 – Desk-Study, Ground-Truthing & Close-Inspection framework – Spreadsheet – v.1 – Jan 2023*. AEcol – Andrews Ecology, Barnstaple

Andrews H & McGill J 2022. *Account of BAT PREY SPECIES ASSOCIATIONS (BPSA) for bats resident in the British Isles – 2022*. AEcol – Andrews Ecology, Barnstaple

## Selected clients

- **Ecology:** AEWC; Bioscan; Grounded Trees & Ecology; Ward Ecology; and, Wildwood Ecology.
- **Housing & Domestic Planning:** Dorchester Hotels Group; Lyndon Brett Partnership; Savills; and, Strutt & Parker.
- **Minerals:** Aggregate Industries; Braunton Aggregates; Breedon; CEMEX; Creagh Concrete; Earthline; Ellesmere Sand & Gravel Co; Green Circle Cement; Imerys; Kilwaughter Chemical Co; Pinnacle; Portland Stone Firms; Tarmac; Midland Quarry Products; Omya; Quinn Group; Sibelco Europe; and, Tudor Griffiths Group.
- **Mineral Planning:** Alliance Environment & Planning; and, Pleydell Smithyman.
- **Recycling & Waste:** Onyx; Veolia; and, Woodland Environmental.
- **Renewable Energy:** Airtricity; and, Stratus Environmental.
- **Training:** Natural England; Natural Resources Wales; Environment Agency; and, Forestry Commission.