



EP Ecology Ltd.

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EP Ecology Ltd. is a professional ecological consultancy based in East Kilbride, South Lanarkshire. Founded in June 2020 with the goal of delivering high quality and pragmatic ecological advice efficiently and in a cost-effective manner.

Erik Paterson is the director of EP Ecology and is an experienced consultant ecologist with a decade of experience in ecological project delivery through working with various consultancies. Erik is a skilled ecologist with experience of working on projects at various scales, from single housebuilders through to multi-million pound road schemes and much in between.

Though he specialises in reptiles and great crested newts alongside bats, Erik has proficiency in a wide range of protected and notable species surveys or impact assessment and has access to a network of skilled sub-consultants who can provide additional specialist input where required. Erik is happy to have a no-obligations discussion about how EP Ecology can deliver the ecological needs of our clients.

As a full member of CIEEM, Erik abides by the institutes code of practice and competencies for species surveys.

Competencies

We can deliver all aspects of ecological projects in-house or via a network of associate consultants. Our offering includes:

- Preliminary ecological appraisal / extended phase 1 habitat surveys;
- Protected species surveys (including proficiency in bat preliminary roost assessment, presence/absence, and activity surveys; great crested newt surveys and habitat suitability index assessment; reptile surveys and habitat assessment; badger surveys; otter surveys; water vole surveys; red squirrel surveys; invasive non-native species surveys; and beaver surveys with detailed botanical surveys and ornithological surveys available through sub-consultants);
- Reporting, mitigation design, and licensing;
- Biodiversity Enhancement Plans;
- Mapping and GIS through a specialist sub-consultant;
- Species Protection Plans;
- Habitat Management Plans;
- Ecological Clerk of Works;
- Ecological Impact Assessment;
- Habitats Regulations Appraisal; and
- Professional development training services.

Licenses & Certifications:

- Full member of CIEEM (MCIEEM).
- SNH great crested newt survey licence.
- SNH bat survey licence including hibernacula and Harp Tapping.
- NE great crested newt class licence (level 1).
- CSCS card holder (Yellow, site visitor).
- Sentinel Card Holder (ICI inducted, non-PTS).
- Full UK driving licence.

Career History:

Jun. 2020 to Present

Jan. 2020 to Jul. 2020
 May 2018 to Dec. 2019
 Jan. 2018 to May 2018
 May 2017 to Sep. 2017
 Mar. 2017 to May 2017
 Apr. 2016 to Sep. 2016
 Apr. 2015 to Sep. 2015
 Aug. 2014 to Sep. 2015
 Feb. 2014 to Sep. 2014
 Apr. 2012 to Sep. 2014

Director

Senior Ecologist
 Consultant Ecologist
 Part Time Researcher
 Seasonal Ecologist
 Seasonal Ecologist
 Seasonal Ecologist
 Seasonal Ecologist
 Seasonal Ecologist
 Seasonal Ecologist
 Seasonal Ecologist
 Freelance Ecologist

EP Ecology Ltd.

Sweco UK Ltd.
 Sweco UK Ltd.
 Clyde Amphibian and Reptile Group
 ECUS Ltd.
 Jacobs UK Ltd.
 RSK Environment Ltd.
 Jacobs UK Ltd.
 Practecology Ltd.
 Jacobs UK Ltd.
 Sub-consultant

Selected Project Experience:

Transport (Roads)

- *A96 Hardmuir to Fochabers DMRB Stage 3 EIA, Transport Scotland (2018-'20)*: Technical lead for herpetological surveys; preparation of methodology for protected species surveys; preparation and review of EIAR technical appendices; and ecology consultation lead.
- *Ravenscraig South Access Road, North Lanarkshire Council (2019-'20)*: Technical lead for ecology; delivering preliminary ecological appraisal; herpetofauna surveys; badger surveys; bat roost assessment surveys; and sub-consultant management.
- *Clyde Waterfront & Renfrew Riverside, Renfrewshire Council (2018-'19)*: Technical lead for ecology; and delivery of protected species derogation licence (bats) to facilitate building demolition.
- *Cross Tay Link Road DMRB Stage 3 EIA, Perth & Kinross Council (2018-'19)*: Technical lead for bats and herpetofauna surveys; design and undertaking of protected species surveys; preparation of EIAR biodiversity chapter; and preparation and technical review of EIAR technical appendices.
- *West Loch Awe Timber Haulage Route, Forestry Commission Scotland (2017)*: Ecological clerk of works during bridge removals over watercourses with freshwater pearl mussel interest.
- *A9 Dualling Pass of Birnam to Glen Gerry DMRB Stage 3 EIA, Transport Scotland (2015)*: Technical lead for herpetological surveys and undertaking protected species surveys.
- *A96 Dualling Inverness to Nairn including Nairn Bypass DMRB Stage 3 EIA, Transport Scotland (2015)*: Technical lead for herpetological surveys and undertaking protected species surveys.
- *Aberdeen Western Peripheral Route Pre-Construction Surveys, Transport Scotland (2014)*: Technical lead for reptile surveys; preparation of technical reports; and undertaking protected species surveys.

Transport (Rail)

- *Shotts Line Electrification, Network Rail (2016)*: Technical lead for herpetological surveys; undertaking protected species surveys; preparation of badger derogation licence application; Ecological Clerk of Works for sections with badger and great crested newt interest; and preparation of technical reports.
- *Edinburgh to Glasgow Improvement Project, Network Rail (2012-16)*: Delivery of baseline ecological constraints data; Ecological clerk of works (great crested newt interest); and pre-clearance nesting bird checks.

Transport (Active Travel)

- *Dundonald to Barassie Shared Cycleway, Ayrshire Roads Alliance (2018-'20)*: Technical lead for ecology; delivery of preliminary ecological appraisal and protected species surveys; and preparation of biodiversity enhancement plan.
- *Alloway to Burton Underpass, Ayrshire Roads Alliance (2019-'20)*: Technical lead for ecology; delivery of preliminary ecological appraisal; and biodiversity enhancement plan.
- *Dunure Shared Cycleway, Ayrshire Roads Alliance (2020)*: Technical lead for ecology; and delivery of preliminary ecological appraisal.
- *Edinburgh BioQuarter Cycleway, BioQuarter Alliance (2020)*: Delivery of biodiversity enhancement plan.
- *Kilmarnock Green Infrastructure Project, East Ayrshire Council (2019)*: Technical lead for ecology including design and undertaking of ecological surveys and preparation of technical reports.

Property (Residential and Industrial)

- *Development of residential units on existing brownfield, Glasgow (2020)*: Bat preliminary roost assessment of trees within development footprint; and survey of badgers.
- *Residential roof replacement works in Glasgow (2020)*: Assessment of bat roost located during works; completion of emergency licence application and associated report; design and implementation of mitigation and compensation; supervision of roof stripping work; and end-of-licence report.
- *Confidential development project in Stirlingshire (2020)*: Nocturnal bat surveys; pre-works nesting bird checks; ecological clerk of works; and installation of mitigation.
- *Various Sites, Taylor Wimpey (2019-'20)*: Preliminary ecological appraisals and protected species surveys.
- *Glasgow Airport Investment Area (GAIA), Renfrewshire Council (2018-'20)*: Bat surveys; badger surveys; Preliminary Ecological Appraisal; reporting; and ECoW supervision of tree removal.
- *Destination Hillend, Midlothian Snowsports Centre (2019)*: Technical lead for herpetofauna and bat surveys; design and undertaking of protected species surveys; and preparation of Ecological Impact Assessment chapter.
- *Various Sites, Aldi (2018-'19)*: Preliminary ecological appraisals and protected species surveys.
- *Whistleberry Road, Hamilton Energy Recovery Centre, Entran (2012-'17)*: Protected species surveys; ecological clerk of works; and Invasive non-native species surveys.

Water

- *Comrie Flood Protection Scheme, Perth & Kinross Council (2018-'20)*: Undertaking protected species surveys; preparation of technical appendices to the EIAR chapter; and subcontractor management.

Energy (Generation and Transport)

- *Overhead Line Maintenance Works in Edinburgh, SP Energy Networks (2020)*: Bat preliminary roost assessment and nesting bird surveys ahead of tree pruning to clear path of existing OHL.
- *Confidential wind farm project in South Ayrshire (2020)*: Extended Phase 1 habitat surveys and protected species surveys.
- *South West Scotland Connections Project, SP Energy Networks (2014-'15)*: Baseline ecological constraints surveys.
- *Confidential wind farm project in Dumfries and Galloway (2013)*: Great crested newt surveys; nightjar surveys; and vantage point schedule 1 species surveys.

Education:

Sep. 2014 to Jun. 2018.

Zoology B.Sc. (Hons)

University of Glasgow

Honours thesis: "Changes in relative detection rates of great crested newt (*Triturus cristatus*) over time."

Volunteering:

Mar. 2019 to Present.	Committee Member	Clyde Amphibian and Reptile Group
Feb. 2019 to Present.	Reviewer: Herpetological Bulletin	British Herpetological Society
May 2018 to Present.	Natterjack Toad Monitor	Amphibian and Reptile Conservation Trust
Mar. 2017 to Sep. 2017.	Volunteer	Buglife
Apr. 2016 to Present.	Committee Member	Glasgow Natural History Society
Jan. 2016 to Present.	Bog Squad Volunteer	Butterfly Conservation
Mar. 2013 to Mar. 2019	Secretary	Clyde Amphibian and Reptile Group
Mar. 2013 to Mar. 2015.	Volunteer Reptile Surveyor	Whitelee Countryside Ranger Service
Sep. 2012 to Sep. 2013.	Public Engagement Co-Ordinator	Friends of Langlands Moss LNR
Mar. 2012 to Mar. 2013	Membership Secretary	Clyde Amphibian and Reptile Group
Mar. 2012 to Mar. 2015.	Volunteer Ranger	National Museum of Rural Life
Mar. 2010 to Mar. 2012	Volunteer	Clyde Amphibian and Reptile Group
Oct. 2009 to Dec. 2016.	Volunteer	Friends of Langlands Moss LNR

Selected Publications:

- McInerny, C.J., **Paterson E.**, Weddle, R.B., & Downie, J.R. (*In Press*). A re-assessment and review of some published amphibian and reptile records in the Clyde area, Scotland. *The Glasgow Naturalist*, 27(2).
- Fairclough, B., Walker, G. & **Paterson, E.** (2020). *Should We Rethink Winter Pond Maintenance For Newts?* CIEEM InPractice Magazine. Issue 108: June 2020. pp19-23.
- Paterson, E. (2019). Ultraviolet-a "blacklight" fails to serve as a useful survey tool for great crested newt (*Triturus cristatus*) in ponds. *The Herpetological Bulletin*, 148: 32.
- Paterson, E. (2019). An occurrence of albino common frog (*Rana temporaria*) spawn at Pollok Country Park, Glasgow. *The Glasgow Naturalist*, 27(1): 76-77.
- Bird, R.J., **Paterson, E.**, Downie, J.R., & Mable, B.K. (2019). Linking water quality with amphibian breeding and development: A case study comparing natural ponds and sustainable drainage systems (SuDS) in East Kilbride, Scotland. *The Glasgow Naturalist*, 27 (*Supplement: The Amphibians and Reptiles of Scotland*): 49-66.
- Paterson, E. (2018). Nocturnal variation in population size estimate counts of male palmate and smooth newts (*Lissotriton helveticus* and *L. vulgaris*). *The Herpetological Bulletin* 145: 1-7.
- Paterson, E. (2018). Changes in relative population size detection rates of great crested newts (*Triturus cristatus*) over time. *The Herpetological Bulletin* 143: 12-17.
- Paterson, E. (2018). The diet of African house snakes (*Boaedon* spp) revealed by citizen science. *The Herpetological Bulletin* 143: 29-30.
- Paterson, E. (2017). Observation of a paedomorphic palmate newt (*Lissotriton helveticus*) in Scotland. *The Herpetological Bulletin* 139: 34-35.
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