

PROFILE

Experienced Fluvial Geomorphologist specialising in the Water Framework Directive, construction geomorphology support, lowland river restoration, and chalk streams. Skilled in catchment-based approaches and stakeholder engagement, with a strong understanding of the links between socio-economic factors and blue/green spaces. Experienced in delivering training on geomorphological processes and river restoration, and recognised for strong organisation, planning, strategic thinking, and future-focused problem solving to deliver sustainable environmental outcomes.

WORK EXPERIENCE

Geomorphology Technical Specialist | Environment Agency | April 2026 – Present

- Provide specialist geomorphology advice for large-scale river restoration, Natural Flood Management, Environmental Land Management, and Flood & Coastal Risk Management projects, ensuring sustainable and resilient outcomes.
- Support regulatory and operational activities by advising on permits, planning applications, and project delivery, driving compliance with environmental legislation and Water Framework Directive objectives.
- Develop technical capability across teams through training, mentoring, and the promotion of best practice in catchment management, river restoration, and geomorphology.

Geomorphology Technical Officer | Environment Agency | Sept 2023 – April 2026

- Provided geomorphological advice on planning applications, Flood Risk Activity Permits, and licences.
- Worked collaboratively with local authorities, water companies, environmental organisations, and landowners to develop catchment-based solutions and improve river health.
- Supported river restoration projects through technical advice and stakeholder engagement.

Research Assistant | Operation Wallacea | June 2023 – July 2023

- Supported coral reef conservation research in Honduras through field data collection, species identification, transect surveys, and benthic analysis.

Laboratory Technician – Environmental Sciences | Oxford Brookes University | Sep 2020 – Aug 2022

- Prepared and delivered Environmental Science and Biochemistry practicals across laboratory and field settings.
 - Supported students in applying laboratory and field techniques for dissertation research projects.
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EDUCATION

Queen Mary University of London | Sep 2022 to Aug 2023

MSc Water and Environmental Management – Distinction

- Individual Research Project: Distinction (85%)
- River Assessment and Restoration: Distinction (82%)
- Nature-based Climate Solutions: Distinction (84.7%)

Oxford Brookes University | Sep 2017 to June 2020

BSc (Hons) Environmental Science - Upper Second-Class Honours (2:1)

SKILLS

Influencing & Persuading:

- Influence project design and delivery by providing expert geomorphological advice that balances environmental, regulatory, and socio-economic considerations.
- Communicate complex technical information clearly to a range of audiences, enabling informed decision-making and positive environmental outcomes.

Partnership Working:

- Develop and maintain strong relationships with internal teams, local authorities, water companies, environmental organisations, landowners, and community groups.
- Facilitate collaborative catchment-based approaches to improve river health, deliver WFD objectives, and maximise environmental benefits.
- Work effectively within multidisciplinary teams to integrate geomorphological expertise into wider projects.

Training & Mentoring:

- Design and deliver training on fluvial geomorphology and river restoration techniques to technical and non-technical audiences.
- Provide technical mentoring and coaching to colleagues, supporting professional development and knowledge sharing across teams.
- Promote best practice by developing guidance documents using up-to-date research.

Organisation and Prioritisation:

- Manage multiple projects and technical workstreams simultaneously, ensuring priorities are aligned with organisational objectives and project deadlines.

ADDITIONAL ROLES & ACHIEVEMENTS

- Gender Equality Network Deputy Co-lead for the Environment Agency
- British Society for Geomorphology Member
- The Water Conservation Trust Dissertation Award 2023
- Queen Mary University of London Principal's Award for Outstanding Academic Achievement 2023