

Fish Passage Design Services

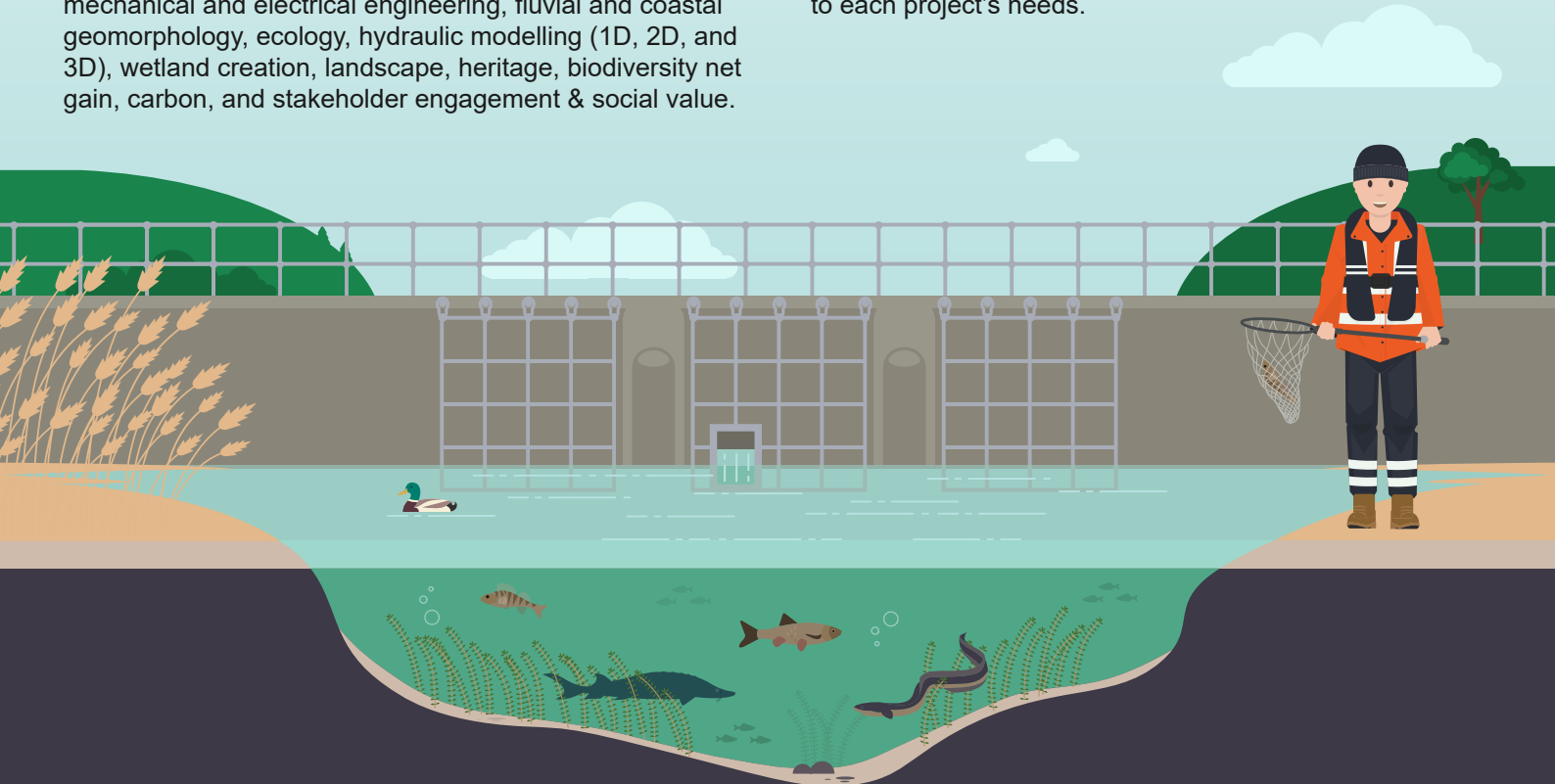
JBA
consulting

Our team

Our in-house team is highly flexible, bringing together the best experts for each project through a collaborative, one-team ethos focused on continual development. We specialise in a wide range of disciplines, including fish ecology, environmental and geotechnical engineering, mechanical and electrical engineering, fluvial and coastal geomorphology, ecology, hydraulic modelling (1D, 2D, and 3D), wetland creation, landscape, heritage, biodiversity net gain, carbon, and stakeholder engagement & social value.

Why choose us?

Strengthened by our close relationships with water-focused contractors and specialists, who also appear on regulatory framework contracts, we are a successful team committed to innovation, excellence, and delivering sustainable, pragmatic solutions tailored to each project's needs.



How can we support you?

Complex Sites & Large Schemes:

Experienced in designing fish pass solutions at constrained sites, including work for the EA.

Nature-Based Solutions:

Prioritising nature-based approaches, including rock ramps, engineered riffles, and bypass channels.

EA Processes & Business Cases:

Extensive experience with ECOSF frameworks, ensuring proportional approaches to Minimum Technical Requirements and Business Case Processes.

Low Carbon & Sustainability:

Integrating low-carbon solutions, making use of EA carbon tools, and advocating for a “build less, build smarter” approach. Authored EA’s plastic management guidance.

Complex Hydrology Expertise:

Skilled in estimating Flow Duration Curves in non-standard catchments, conducting check gaugings, rating curve reviews, and water level logger installations.

Computational Fluid Dynamics (CFD):

Utilising CFD modelling for climbing boss media, rock ramp design, and pipework hydraulics.

Health & Safety Leadership:

Strong safety culture with 26 Principal Designers, collaboration with Five Rivers, and active roles in EA safety forums. Provided SHEW CoP training.

Climate Resilience:

Conducting climate resilience checks on all designs, assessing future flows under climate change.

Innovation & Research:

Dedicated in-house innovation program, fish pass R&D projects, and sponsorship of PhDs on longitudinal connectivity.

Contact us: david.mould@jbaconsulting.com