



FRESHWATER ECOLOGY

Carcinus Ltd offers aquatic ecology services across a range of wetland and riverine habitats, with experience of operating throughout the UK and abroad. Our surveys are conducted in accordance with the latest industry standards and best practice, whilst adhering to our stringent health and safety protocols. We specialise in providing a dedicated multidisciplinary service incorporating fisheries, macroinvertebrates, habitat mapping and water chemistry science.

RUNNING WATER

Carcinus has an in-depth knowledge of the ecology, behaviour and habitat requirements of a wide variety of riverine species, ensuring that our surveys are designed to be scientifically robust, meeting regulatory and client expectations. Our services include delivery of the following survey techniques:

- Electric fishing (quantitative and qualitative techniques).
- Catchment walkover and habitat mapping.
- River Habitat Survey (RHS).
- River corridor assessments.
- Fisheries management and stock assessment.
- Fish pass and obstruction surveying.
- Macroinvertebrates (kick-sampling / colonisers).
- Protected species assessments for Annex II species.
- Macrophyte studies.
- Appraisal of Invasive Non-Native Species (INNS).



Brown trout *Salmo trutta*



STILL WATER

Carcinus has the expertise and capacity to conduct a wide variety of studies and assessments within wetland habitats. Our specialist team pays close attention to the sensitivity, biosecurity and health & safety of each study to mitigate risk. The techniques we employ are outlined below:

- Stock assessment and fish health checks.
- Fish rescue / translocation using electric fishing and netting techniques.
- Ecosystem evaluation and management.
- Fisheries feasibility studies.
- Lake Habitat Survey (LHS) and macrophyte studies including INNS.
- Hydro-acoustic survey (fish, macrophytes, habitat mapping).
- Macroinvertebrates (still water sweep sampling).

DELIVERABLES AND OUTPUTS

Carcinus delivers robust outputs by employing appropriate scientific analytical techniques to interpret and describe findings. Outputs typically comprise or support:

- Technical reports, position statements and planning applications.
- Phase I and Extended Phase I Habitat Assessments.
- Ecological appraisals and baseline characterisations.
- Environmental / Ecological Impact Assessment (EIA / EclA).
- Habitats Regulations Appraisal (HRA).



Macroinvertebrate sampling



Great crested newt *Triturus cristatus*

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