



MARINE FISHERIES

Carcinus Ltd specialises in providing a broad range of fish and shellfish ecology, consultancy and management services. Our survey methods incorporate a range of techniques enabling the assessment and monitoring of estuarine, coastal and offshore fish habitats and assemblages. We employ a pragmatic approach to designing our surveys, ensuring our techniques are both robust and suitable to the task. In this regard our team provides an integrated service to meet the need of any project.

SUBTIDAL FISHERIES

Carcinus works in close association with our clients, statutory authorities and national fishing organisations to successfully sample and record a range of subtidal fish species. We routinely coordinate and implement surveys using both traditional and novel sampling techniques that include:

- Mobile trawling (beam, otter and pelagic).
- Static netting (trammels and gills).
- Baited Remote Underwater Video (BRUV).
- Shellfish sampling (potting and dredging).
- Hydro-acoustic survey for shoaling species.
- Herring spawning and sandeel habitat assessment.
- Black bream nesting appraisal.
- Fish aging.
- Stomach content analysis.
- Gonadal Somatic Indexing (GSI).
- Commercial fisheries observation.
- Ichthyoplankton using specialist sampling techniques.



Brill *Scophthalmus rhombus*



INTERTIDAL FISHERIES

Carcinus offers an intertidal fish ecology service operating across all coastal and estuarine habitats. Carcinus is well versed in the safe delivery of surveys and assessments in challenging environments, utilising multi-method techniques such as those listed below:

- Trapping (fyke netting and bottle traps).
- Juvenile and adult fish seine netting.
- Small scientific beam trawls.
- Shrimp push netting.
- Walkover habitat mapping.
- Annex II migratory fish assessment (telemetry tracking).

DELIVERABLES AND OUTPUTS

Our deliverables are designed to meet client and statutory authority's needs. Outputs comprise Daily Progress Reports (DPRs) detailing survey operations, followed by technical reports containing a full analysis and interpretation of data, these being used to inform the following studies / assessments:

- Baseline characterisations.
- Environmental Impact Assessment (EIA), EIA screening and scoping.
- Habitats Regulations Appraisal (HRA).
- Marine licence applications.
- Other consent documents and planning applications.



Shore clingfish *Lepadogaster lepadogaster*



Commercial fishing boats

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