

WATER AND SEDIMENT QUALITY

Carcinus Ltd offers water quality and sediment quality consultancy, survey and reporting services for clients operating in marine, coastal and freshwater environments. Utilising a practical and robust approach, our experienced consultants manage all stages of a project.

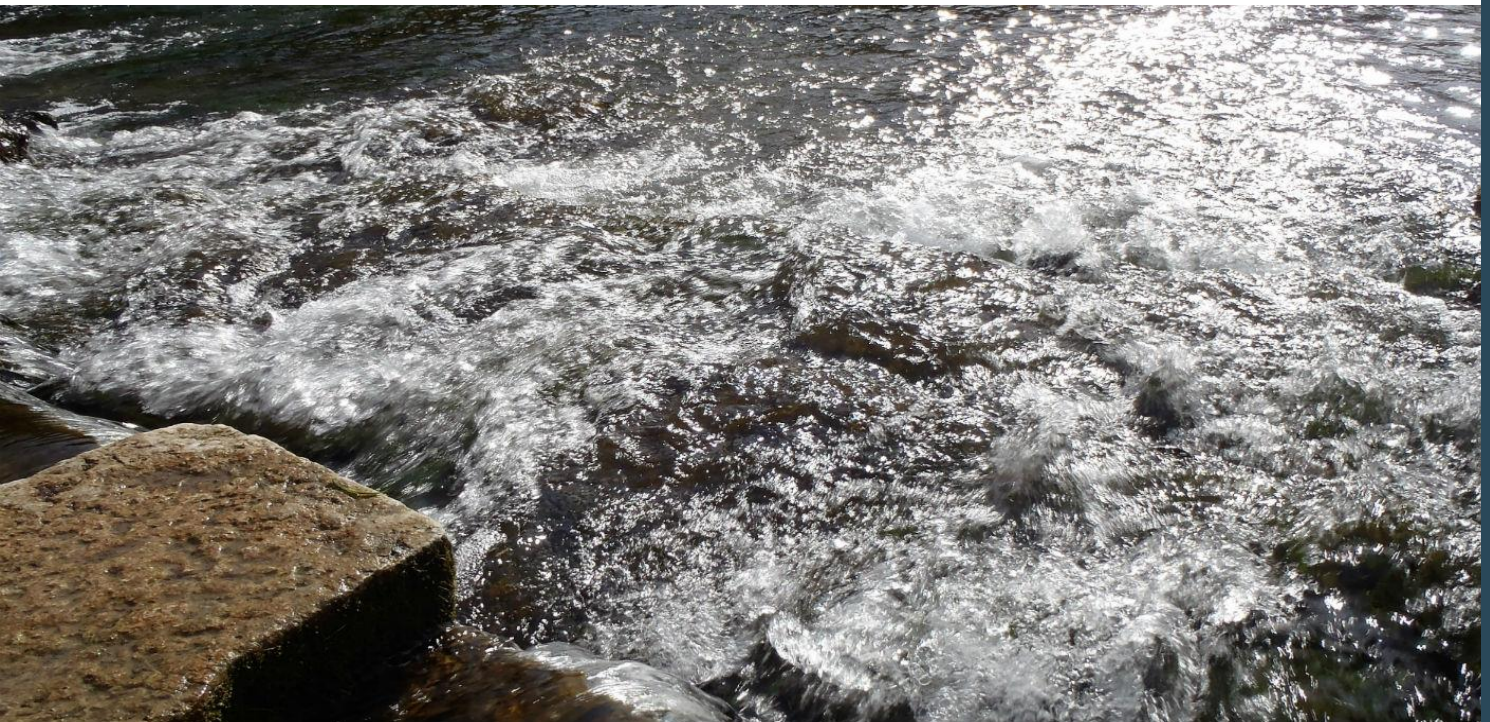
WATER QUALITY

Carcinus provides the following water quality services:

- Survey design and management.
- Regulatory engagement and consultation.
- Designated bathing waters compliance monitoring and investigations.
- Shellfish hygiene compliance studies.
- Dispersion and dilution studies including effluent and thermal plumes.
- Chemical and microbiological tracer studies.
- Management of laboratory sample analysis services, utilising accredited laboratories.
- Infrastructure process water monitoring and testing.
- Specification, deployment and servicing of multi-parameter instrumentation for long-term environmental monitoring.
- Environmental risk assessments.
- Discharge consent application and compliance monitoring.
- Technical input to Environmental Impact Assessments (EIA).



Turbidity plume entering coastal waters



SEDIMENT QUALITY

In support of ecological assessments and sediment quality testing for disposal optioneering, Carcinus offers the following sediment chemistry consultancy, survey and reporting services within marine and freshwater environments:

- Survey design and management.
- Regulatory engagement and consultation.
- Marine licence application support - including analysis of sediments for dredge disposal applications.
- Sampling and analysis of sediments for Waste Acceptance Criteria (WAC).
- Dispersion and dilution studies including sediment, effluent and thermal plumes.
- Management of laboratory sample analysis services utilising accredited laboratories.
- Technical input to Environmental Impact Assessments (EIA).

CATCHMENT BASED APPROACH

Carcinus undertakes catchment based walkover surveys within hydrological catchments to identify, map and classify a range of point and diffuse pollution sources, including sediment inputs, nutrients, Faecal Indicator Organisms (FIO) and chemical contamination.



Marine sediment sampling



Sediment chemistry sample collection

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