

Survey, Sampling & Analysis

About

ABP Marine Environmental Research Ltd (ABPmer), operates a survey team which undertakes hydrographic and field investigations throughout the UK and overseas.

We have readily deployable vessels for near-shore and river survey. Our equipment pool carries an extensive range of instrumentation for bathymetric surveying, 2D and 3D flow monitoring, water levels, multi-parameter water recording, grab sampling and coastal zone mapping. This is supported by a fully equipped sediment analysis laboratory, associate arrangements with collaborative companies and computer facilities for data analysis, presentation and map and chart production.



Survey

All surveys include a comprehensive design, planning and management service. We provide:

- Bathymetric surveying using “Hypack” software;
- Current profiling and wave measurement;
- Real-Time Kinematic (RTK) GPS topographic survey;
- Sediment density measurement by nuclear transmission gauge;
- Vessel dynamic measurements for under-keel clearance and ship movement.

Sampling

The collection and analysis of sediment, water and biological samples can form an important component of both baseline studies and long term monitoring campaigns. We undertake:

- Benthic species- infauna and epifauna;
- Sediment and sediment cores;
- Vegetation;
- Water quality – pollutant, suspended solid, salinity, turbidity.

Analysis

Our sediment laboratory and associate arrangements* provide for the undertaking of a range of analysis, presentation and reporting to include bespoke programming solutions and automatic report generation. Parameters analysed:

- Chemical analysis;
- Faunal identification/classification*;
- Sediment magnetics*;
- Sediment mineralogy*;
- Sediment particle size analysis (PSA);
- Sediment salinity*;
- Sulphate reducing bacteria*;
- Total organic carbon*;
- Total petroleum hydrocarbon*;
- Total suspended solids (TSS)



Further Information

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