

ABP Marine Environmental Research Ltd

- **Leading UK Marine Environmental Consultancy providing sustainable solutions for the marine environment.**
- **Extensive track record in leading and contributing to environmental studies across a wide range of industries.**
- **Also undertake strategic research for Government and its Agencies.**

'Creating sustainable solutions for the marine environment'



Company Information

- **Founded in 1950 & now a wholly owned subsidiary of Associated British Ports**
- **Based in Southampton with 42 staff from the fields of engineering, mathematics, geomorphology, ecology, chemistry, geography, environmental science and GIS**
- **Capabilities in modelling, processes, environment, field survey & data management**



Modelling

- **Model studies tailored to project requirements:**
 - Flows, waves, sediment transport, water quality, plume dispersion, flood inundation etc.
 - Studies for rivers, estuaries, coastal regions, ports and inland waterways
- **Applications using a range of state-of-the-art modelling software from:**
 - DHI (Danish Hydraulics Institute); Mike suite
 - Delft Hydraulics, The Netherlands; Delft 3D
 - In-house developments (eg NAFI)



Processes

- **Conceptual sediment transport models at local & regional scales**
- **Coastal and estuarine shoreline management plans**
- **Dredging assessments and strategies**
- **Coastal process assessment**
- **Habitat creation scheme design**



Environment

- **Ecological and Environmental Impact assessments for marine environments**
- **Habitat creation & mitigation studies**
- **Working understanding of EU Directives and their relevance to proposed developments or activities**
 - **Birds Directive, Habitats Directive, Water Framework Directive, Freshwater Fish Directive, Floods Directive. Town and Country Planning Regulations 1999, Environmental Impact Assessment Regulations 1999**



Data Collection/Management

- **ABPmer operates a survey team for hydrographic & field investigations throughout the UK and internationally**
- **The team is able to specify, manage and analyse data collection including in house particle size analysis**
- **GIS and Information Management services from data capture to tailor-made software solutions including:**
 - **Data Capture & Mapping, Databases & Data Management, Advanced Spatial Analysis, 3-D Data Visualisation, Customised GIS Development, WebGIS**

