

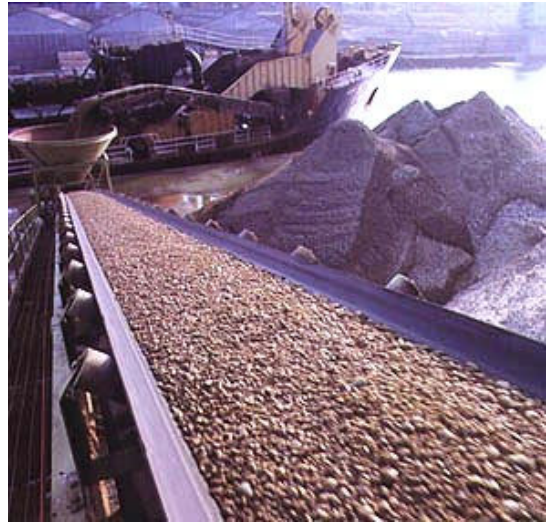
Marine Aggregates Industry Services

About

ABP Marine Environmental Research Ltd (ABPmer), a leading UK marine environmental consultancy, understands the challenges faced by the marine aggregates industry in fulfilling the Environmental Impact Assessment (EIA) requirements and associated environmental monitoring in relation to industry licence renewals and new applications.

As a subsidiary of Associated British Ports, the UK's largest ports group, and thereby, its relationship with UK Dredging Ltd, ABPmer is an authority on dredging and its impacts and possesses extensive experience in undertaking EIAs, plume dispersal modelling and coastal impact studies.

With nearly 60 years experience in managing and contributing to integrated environmental projects across a wide of industries, ABPmer advocates a systems-based approach to the natural environment encompassing physical, biological and chemical processes, alongside development aspirations and management responsibilities.



Our areas of expertise:

- Appropriate Assessment
- Archaeological Survey & Assessment
- Biotope Mapping
- Coastal Impact Studies
- Constraints Mapping
- Ecological Survey
- Environmental Impact Assessment (EIA)
- Environmental Monitoring Programmes
- Fisheries Surveys
- Geophysical Surveys
- GIS Mapping and Data Management
- Hydrographic Survey
- License Applications
- Navigational Risk Assessment
- Numerical Modelling
- Plume Dispersion Studies
- Research studies
- Scoping EIA & REAs

Further Information

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Environmental impacts that may stem from changes to the morphology, hydrodynamics or sediment processes at a site are a key consideration for aggregate licence applications. ABPmer's integrated capabilities enable us to undertake related coastal impact and plume dispersion studies within the EIA, thereby streamlining the process.

Environment Team

Our team of environmental consultants encompasses specialists in the range of key disciplines relating to EIAs for the aggregates industry including coastal processes, ecology, fisheries, navigation, water quality and archaeology. This team is enhanced by preferred associate consultants who we engage for specific input to projects that require an expert opinion that falls outside of our principal areas of core expertise. For a given project, we will tailor a project team that matches the expertise of our staff to the requirements of the work thus ensuring the best possible expertise is offered to the client. The project team will be drawn not only from the environment team but representatives from other teams (see below) forming an integrated approach to environmental assessment work and problem solving.



Modelling Team

In the last 30 years of operation, increasing reliance has been placed upon the use of numerical modelling to simulate the complex changes to physical processes and hydrodynamics that are caused by development activities, including aggregate extraction. We have been very much at the forefront in the application of computer models to predict the effects of both baseline conditions and the effects of anthropogenic changes on these conditions. Interpretation of numerical model results forms a core component of our EIA work and usually underpins the physical processes and ecological assessments for a given development. We maintain that our ability to integrate modelling for coastal processes and plume dispersion with all other elements of an EIA sets us apart from our competitors. The team supports the following primary suite of models: MIKE 11; DELFT 3D; MIKE 21; MIKE 3 and MIKE FM.



Processes Team

ABPmer regularly undertakes projects for clients who require a detailed interpretation of coastal and estuarine processes. ABPmer's Processes Team is made up of a dedicated team of specialist scientists, geomorphologists and engineers. The team has had a particular focus within the wind / renewable energy sectors but is currently undertaking a coastal impact scoping study in support of a Regional Environmental Assessment (REA) for the British aggregates industry.

Survey Team

As well as operating an in-house hydrographic survey team, ABPmer has exclusive associate arrangements with Southampton based **SeaStar Survey** for the provision of services in support of Marine Aggregates EIAs and related monitoring work. The services offered include: environmental baseline surveys, oceanographic and hydrographic surveys, video/still photography analysis, habitat mapping using GIS and diving.

All photos courtesy British Marine Aggregate Producers Association www.bmapa.org

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