



OFFSHORE DRILLING DISCHARGE CONSULTANCY

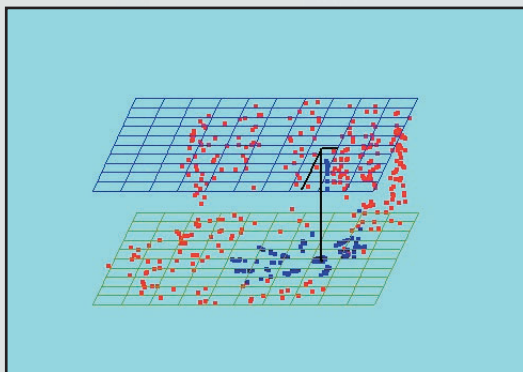
BMT Cordah Limited

BMT Cordah has successfully provided offshore drilling discharge consultancy services to the oil and gas industry for more than 20 years. Our clients include many major oil and gas exploration and production companies, environmental consultancies, and government bodies - including the UK Department of Trade and Industry. We have completed studies throughout the world, and have extensive experience within the North Sea, Northwest Approaches, Gulf of Mexico, Caribbean, Brazil, Arabian Gulf, Gulf of Thailand, and Indonesia. We can provide a range of services, including all modelling requirements, from PON15 applications, to the complete management of Environmental Impact Assessments (EIAs) and production of Environmental Statements.

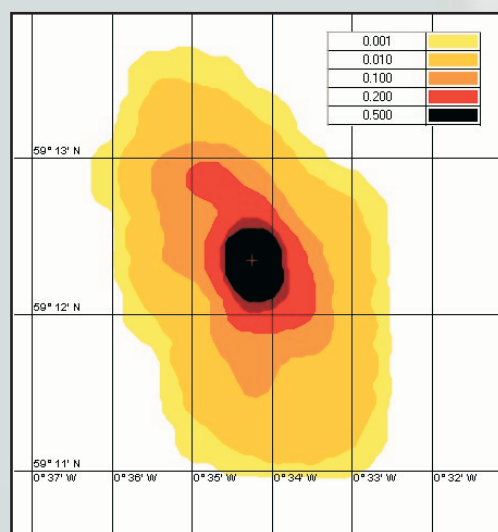
BMT Cordah's PROTEUS model was specifically developed as a tool to simulate the dispersion of offshore drilling discharges, including drill cuttings, cement and drilling lubricants. These include water-based mud (WBM), as well as oil and synthetic based muds (OBM and SBM).

Key Features include:

- 3-D dispersion modelling of drilling discharge material
- Bespoke characterisation of cuttings, WBM, OBM, SBM or Cement
- Near-field seabed deposition footprints and thickness contours
- Far-field, long-term pathway trajectory and suspended sediment concentrations
- Ecotoxicological Risk Assessment.



3D View of discharged material

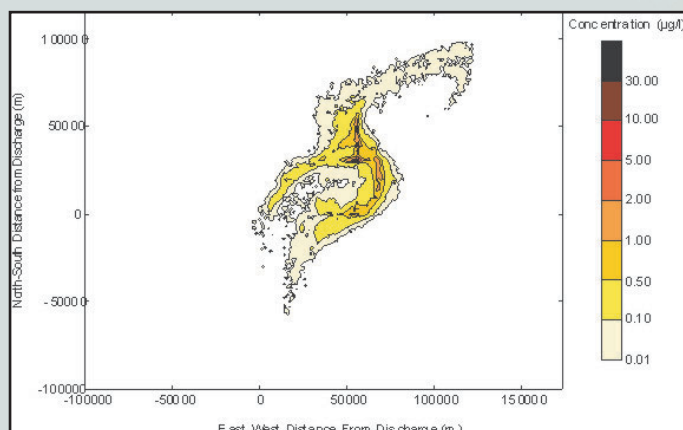


Contour plot showing deposition thickness of drilling discharge material

BMT Cordah recognises the tight deadlines to which the offshore industry works and offers a fast 'turnaround' service, typically completing modelling studies within two weeks. Our modelling reports include;

- Full background to scenarios chosen, including both discharge and environmental information such as current regimes
- Presentation of results as contour plots, tables and graphs, or as required by the client
- Discussion of results to aid decision-making
- Appendices including complete description of the PROTEUS model

Offshore Drilling Discharge Consultancy

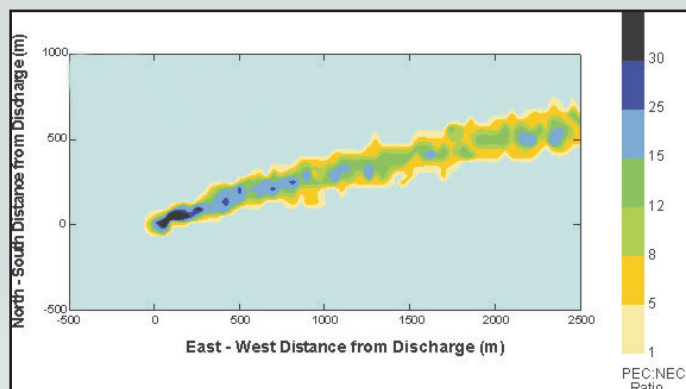


Contour of Suspended Sediment Concentration

Complementary Services

Ecological Risk Assessment

BMT Cordah offers ecological risk assessment with all discharge modelling using a range of methods including PEC:PNEC, CBR and WET schemes.



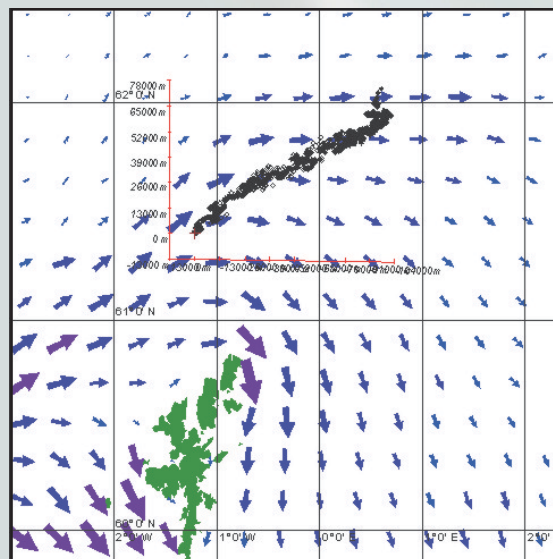
Contour of PEC:PNEC Risk Ratio

EIA and preparation of Environmental Statements

BMT Cordah provides a range of EIA consulting services from scoping to full appraisal. Discharge modelling reports can be submitted independently or as part of an Environmental Statement.

PON Applications and Offshore Chemical Regulations

BMT Cordah provides advice and assistance in all PON applications, and offers expert advice in relation to the UK Offshore Chemical Regulations, and discharge compliance issues in other parts of the world.



Far-Field Transport of Drilling Discharge



BMT Cordah Limited

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