



Centre for Marine and Coastal Studies Ltd

Offshore Renewable Energy

We believe that CMACS is the UK's leading supplier of marine ecological consultancy services to the offshore renewables sector.

We have a proven record of taking projects from planning to operation. Our experience includes offshore wind farms (OWFs), current turbines and wave power devices:

- key involvement at North Hoyle, the UK's first major OWF;
- services to more than 14 UK, Irish and Scandinavian OWFs including marine ecology EIA for Gwynt y Môr, London Array, Greater Gabbard and Lincs;
- lead on environmental monitoring at Burbo OWF to ensure compliance with FEPA licence conditions;
- specialist R&D studies on electromagnetic fields (EMF);
- benthic ecology surveys before installation of an underwater turbine in Devon.



Grab survey at an offshore wind farm.



North Hoyle wind farm during CMACS survey in 2003 (courtesy of npower)

Summary of Services

- *Environmental Impact Assessment*
- *Intertidal and subtidal benthic ecology survey and monitoring*
- *Assessments for underwater noise impacts*
- *Electromagnetic field effects on marine fauna*
- *Water and sediment quality/contamination studies*
- *Pre, during and post-construction environmental monitoring*
- *Liaison with Regulators*
- *Expert Witness*