



ENVIRONMENTAL SURVEY AND MONITORING

ERT (Scotland) Ltd operates a large in-house survey and analytical team with over 30 years' experience in monitoring estuarine, coastal and offshore seabed habitats. In total over 500 biological and chemical surveys have been completed, predominantly for the oil and gas industry, but also for the water industry and regulatory authorities, national conservation agencies, the distilling industry and others. Our survey staff have experience of working in a wide range of geographical locations including UK, Norway, the Mediterranean, Red Sea, west Africa and southeast Asia and Caspian.

OUR EXPERTISE

ERT survey resources and expertise encompass:

- Skilled eye appraisals
- Intertidal, estuarine, coastal and offshore habitats
- Biotope mapping
- Continental shelf and deep sea benthic survey
- Remote sampling techniques including cores, grabs, acoustic and photographic
- Hydrographic survey
- HSE certified diver services
- Underwater and surface photography



Exploration/production

ERT capability in the monitoring and assessment of offshore habitats operates a broad range of environmental management tools to assist in monitoring environmental impacts and effects, auditing, and the production and maintenance/reviewing of Environmental Management Systems (EMS). ERT provides the following services to ensure clients meet their environmental standards and targets:

- License applications
- Round support
- Baseline survey
- Petroleum Operation Notices (PON 15 & 16)
- Environmental statement (ES)
- Oil spill contingency plans (OSCP)
- Survey and monitoring
- Analytical services

- Oil spill monitoring
- Environmental auditing
- Environmental management
- Environmental awareness training
- Downstream environmental services

Decommissioning

For many years ERT has been involved in research and consultancy within this field and has completed a variety of decommissioning studies.

Areas of work ERT (Scotland) Ltd provides include:

- Pre-decommissioning surveys
- Post-decommissioning surveys
- BPEO/comparative assessments
- Auditing - facilities, waste streams
- Decommissioning studies



Renewable energy

New developments, such as offshore windfarms may require a baseline survey and environmental impact assessment to be undertaken to accompany the formal planning applications.

ERT (Scotland) Ltd provides the following services:

- Environmental impact assessments (EIA)
- Environmental baseline surveys
- Fishing interaction studies
- Marine resource (interaction) studies
- Environmental comparative location studies
- Monitoring environmental effects
- Environmental sensitivity studies



ENVIRONMENTAL SURVEY AND MONITORING (continued)

Coastal conservation and management

ERT has conducted a number of surveys for the national conservation agencies including biotope mapping in the littoral and sublittoral zones. Most recent work has included the survey, assessment and mapping of submerged and partly submerged caves within the Berwickshire and North Northumberland Coast candidate Special Area of Conservation.

ERT provides the following services:

- Environmental Impact Assessments (EIA)
- Environmental baseline surveys
- Scientific data gathering and review
- Marine resource surveys
- Intertidal and subtidal biotope mapping
- Monitoring programme design and implementation
- Environmental sensitivity studies

Coastal interactions

Typical coastal industries in Scotland include distilleries, water companies, fish farming, oil terminals and renewable energy developments. Industries present in the coastal area often interact with the local environment directly. ERT is able to offer a wide range of studies to assist in any assessment process of these interactions.

ERT can provide:

- Current meter studies
- Drogue or dye release and tracking studies
- Dispersion modelling
- Water quality sampling and analysis
- Environmental impact assessments (EIA)
- Environmental baseline surveys
- Scientific data gathering and review
- Hydrodynamic modelling
- Sediment transport studies

Fish farming industry

The Scottish fish farming industry is regulated primarily by the Scottish Environment Protection Agency (SEPA), which stipulates hydrographic survey data as an essential requirement when applying for a discharge consent. In addition, they may also request seabed studies and/or the submission of an environmental impact assessment.

- Environmental impact assessments (EIA)
- Hydrographic survey and reporting
- Seabed sampling
- Macrobenthos analysis and reporting
- Water quality sampling and analysis
- Solids deposition modelling (DEPOMOD)
- Scientific data gathering and review

Reporting

Our scientists are skilled in the analysis and interpretation of the data generated from the analytical process, report production, environmental mapping and scientific studies.

ANALYTICAL SERVICES

Our survey teams are supported by in-house laboratories covering a range of disciplines. This gives ERT the ability to manage a project from the initial survey through analysis to interpretation and presentation of the results.

For detailed information about the services we can provide please view our downloadable pdf file Analytical Services.

www.ert.co.uk