



DEEPWATER ENVIRONMENTAL EXPERIENCE

ERT (Scotland) Ltd (ERT) has been involved in environmental studies and surveys in deep waters for more than a decade. This work has comprised several benthic surveys, and the analysis of both chemical and biological samples obtained as part of these surveys. During this period, ERT has gained extensive experience in the taxonomic identification of deep sea species and built up a comprehensive collection of reference species and literature. ERT has also provided consultancy services to the oil industry, in the form of several Environmental Impact Assessments (EIA) for deep water exploration wells, oil spill contingency plans, Petroleum Operations Notices for various offshore activities (PON 14s and PON 15s), and environmental support for several oil companies in their licence round applications.

DEEPWATER ENVIRONMENTAL STUDY EXPERIENCE

ERT's deepwater environmental studies have been focused primarily off the continental shelf to the west of Scotland, particularly in the Faroe-Shetland Channel. This area, also termed the Atlantic Frontier or Atlantic Margin, has been the subject of considerable exploration activity in recent years, and many environmental studies were undertaken to address concerns associated with oil and gas exploration in a deepwater environment. ERT has been heavily involved in this work from the outset, with projects conducted on behalf of industry bodies, government, and individual operators.

ERT has also provided environmental management support to operators since the commencement of exploration activities in the Atlantic Margin. This work has involved undertaking environmental sensitivity assessments in support of licence applications, full EIAs for exploration and production operations, fisheries assessments and shipping intensity studies. Further deepwater experience internationally derives from our work in the deep areas of the Caspian Sea and, most recently, surveys and data review in southeast Asia.

Selected data gathering and review experience in deepwater areas

Date	Client	Location	Project description
2006	Petronas Carigali Myanmar	Andaman Sea	Exploration wells EIA
2005	PRSS/Murphy	South China Sea	Support to Kikeh Field EIA
2004	OMV (UK) Ltd	UK Atlantic Margin	Exploration licence application support
2003	ADTI/Amerada Hess Ltd	UK Atlantic Margin	EIA for Lindisfarne well
2001	BP	UK Atlantic Margin	Support to Clair Field Development EIA
2000	Texaco	UK Atlantic Margin	Atlantic Margin Environmental Review

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DEEPWATER SURVEY EXPERIENCE

ERT has conducted numerous environmental surveys in the deep waters of the Atlantic Margin, and has also been participants in regional studies conducted by industry and government bodies. As well as traditional remote sampling techniques, ERT has employed the latest survey methodologies, including ROV facilitated deepwater sampling and videography. ERT has also been involved in deepwater surveys in the South China Sea and off the west coast of Africa.

DEEPWATER SURVEY CAPABILITIES

- Continental shelf and deep sea benthic surveys, including sediment chemistry and macrofaunal analyses.
- Video and ROV seabed surveys.
- Marine mammal monitoring.
- Water quality assessment.



Selected deepwater survey experience

Date	Client	Location	Project description
2005	BP	West Africa	Deepwater baseline environmental survey
2005	PRSS	Malaysia	Deepwater baseline environmental survey
2004	ADTI/Amerada Hess Ltd	West of Shetland	ROV seabed environmental survey
2002	DTI	West of Shetland	Strategic Environment Assessment 4 survey
2000	AFEN	UK Atlantic Margin	Baseline surveys

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