



FUGRO ENVIRONMENTAL LABORATORIES

Fugro is dedicated to providing a comprehensive environmental services package. Our multidisciplinary analytical group specialises in physico-chemical sediment characterisation, water quality and marine taxonomy.

ENVIRONMENTAL ANALYSIS

Marine and coastal projects routinely require the characterisation of seabed environments. Data is used to support baseline ecological studies, environmental impact assessments, marine planning applications and licence or consent monitoring.

Fugro's analytical group offers a comprehensive range of services and expertise to ensure we meet the exacting standards that our clients require.

SERVICES

Fugro provides specialist analysis services, tailored to meet the requirements of a range of industry sectors, including oil and gas, marine renewables, ports and harbours, mineral and aggregates, as well as government agencies.

Our environmental testing laboratories provide the following services:

- Sediment, biota and water chemical analysis
- Oil spill forensic services
- Determination of sediment characteristics
- Marine and estuarine taxonomic analysis

QUALITY ASSURANCE

Fugro has a fully integrated quality, health, safety, security and environmental management system certified to the international standards ISO 9001, ISO 14001 and OHSAS 18001.

Our sediment and benthic laboratories in Portchester and chemistry laboratory in Edinburgh are UKAS accredited testing laboratories (ISO/IEC 17025:2005, No. 1272). In addition to in-house quality checks, our environmental laboratories participate in a range of external proficiency tests including the National Marine Biological Analytical Quality Control, QUASIMEME, CONTEST and Aquacheck.

CHEMISTRY LABORATORY

Using the most up-to-date instrumentation, Fugro can test for an extensive range of marine pollutants within complex environmental matrices. Analyses can be tailored to individual project requirements and includes:

- Alkylphenols and alkylphenol ethoxylates
- Halogenated organics
- Heavy metals
- Hydrocarbons
- Organometallic compounds
- Radionuclides
- Volatile organic compounds

SAMPLING KITS

Fugro prepares and ships a range of field-ready sampling kits, including for:

- Oil spills
- Produced water/sand
- Dredge spoil
- Sediments/soil/water
- ROV (cutting piles)

Kits can be tailored to meet individual client requirements. Following use, Fugro can receive the samples for analysis and replenish the kits, so they can be reused.

OIL SPILL ANALYSIS

Fugro is a market leader in oil spill identification. We offer specialist support to the Maritime and Coastguard Agency, the International Tanker Owners Pollution Federation, the International Oil Pollution Compensation Funds, local authorities and major oil companies.

We carry out oil spill versus source assessments using the widely accepted method of diagnostic ratios and the statistical evaluation of critical differences. We use the computerised oil spill identification (COSI) database system for fast, reliable comparisons.

SEDIMENT AND WATER LABORATORY

Our sediment and water laboratory specialises in testing marine and freshwater



Fugro's chemistry laboratory provide routine testing for an extensive range of marine pollutants.

sediments and waters, soils, effluents and sludge bio-products. Our services include:

- Particle size analysis
- Total suspended sediment
- Total dissolved solids
- Total organic carbon
- Loss on ignition
- Sodium sulfate soundness testing of biological filter bed media
- Water quality monitoring
- Sediment and microbiological tracer studies

TAXONOMIC ANALYSIS

Our taxonomic group provides a range of sample processing services. These generate meaningful community data, which is then used to underpin descriptions of seabed environments and identify potentially sensitive species and habitats.

Our services include:

- Infauna and epifauna identification
- Zooplankton identification
- Fish identification
- Macroalgae identification
- Biomass determination
- Taxonomy training workshops for all abilities



Identifying polychaetes for inclusion in the taxonomy group's reference collection.



Fugro has established a reputation for providing high-quality sediment characterisation analysis.



Fugro provide field-ready oil spill sampling kits.