



Benthic Habitats

SOI Ltd take a holistic approach and can manage projects from initial design, through fieldwork and data acquisition, to data processing and the final production of benthic reports and habitat maps.

Our team have experience in carrying out ecological work in many aquatic environments ranging from freshwater (lentic & lotic systems) and estuarine, to intertidal and coastal marine environments. We also have the capacity to carry out off-shore habitat mapping using high resolution subsea scanning.

Services include :

- Bathymetry & amplitude mapping
- Biological sampling – infaunal, epifaunal and macroalgal
- Biological analysis - species ID, abundance and biomass
- Biostratigraphy
- Cultural heritage assessment
- Survey design
- EIA & AA
- High resolution surface & subsurface scanning
- Luminescence dating
- Particle size analysis
- Sediment transport monitoring
- Survey design
- Water Quality Assessments – TDI and nutrient analysis

Sectors:

- Aquaculture
- Archaeological Assessment
- Conservation
- EcIA & AA
- Governmental and Public Sector
- Integrated Coastal Zone Management
- Marine Renewables
- Oil & Gas
- Planning development



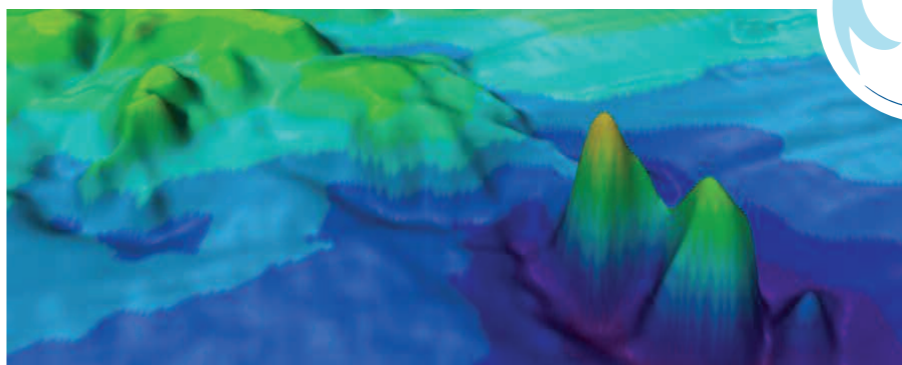
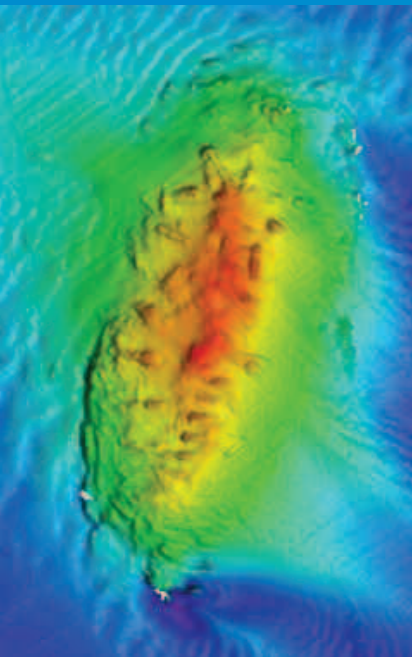
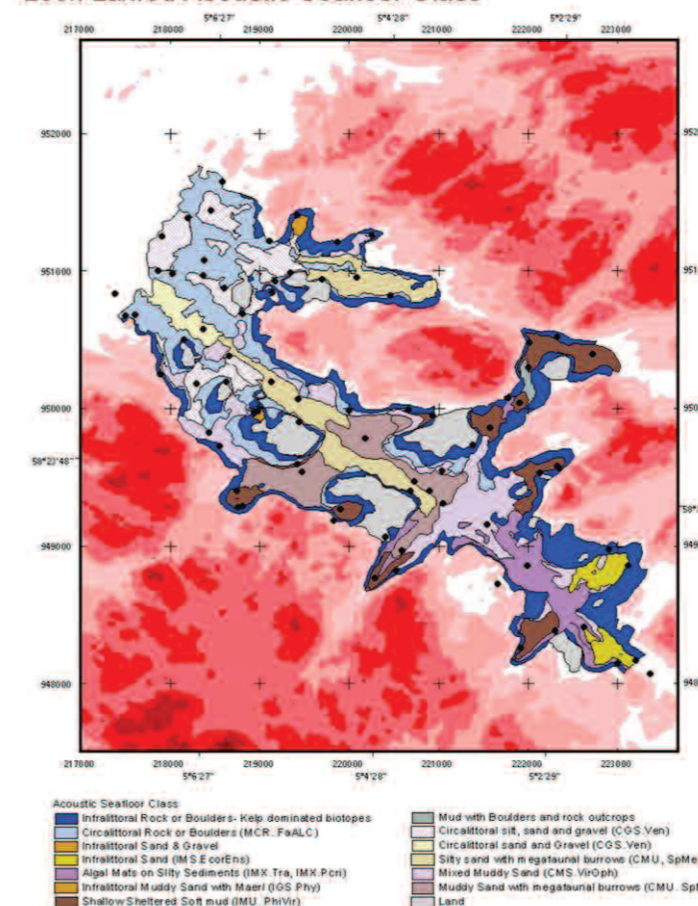
SOI Ltd has the capability to design and undertake geophysical benthic surveys using both single and multibeam technology.

We also have extensive experience of biological sampling and survey techniques, which we combine with our geophysical work to produce comprehensive reports and maps.

SOI Ltd also carries out desk studies and analysis of existing data sets using statistical and analytical software packages.

We have lab facilities to undertake R&D of new technologies (e.g. csm) and methodologies (e.g. contact core) and can conduct routine laboratory testing, such as particle size analysis, chlorophyll analysis and scanning electron microscopy when required.

Loch Laxford Acoustic Seafloor Class



SOI Ltd is a wholly owned subsidiary of the University of St Andrews and is overseen by an independent Board of Directors.

SOI Ltd employs a core of key staff who offer commercial, administrative and scientific support and advice to clients and partners.

SOI Ltd also provides access to the expertise of staff from the Scottish Oceans Institute at the University of St Andrews, including specialists within the Sediment Ecology Research Group (SERG) and the Facility for Earth & Environmental Analysis (FEEA).

These facilities have an international reputation for the work they carry out in the UK and beyond.

SOI Ltd,
Scottish Oceans Institute,
New Technology Centre,
North Haugh, St Andrews,
Fife, KY16 9SR, Scotland
Tel: +44 (0)1334 466920
Fax: +44 (0)1334 477878
Email: info@soi.ltd.uk



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