

Name of the institute / department / laboratory	British Geological Survey
Address	West Mains Road, Edinburgh
Website	bgs.ac.uk

Available marine geophysical equipment	No	Yes	Type	Used for archaeological purposes
Side-scan sonar		x	Waverley Sonar 3000, but usually hire more up to date systems from GSE or SES	
Multibeam		x	Kongsberg EM3002D	
Subbottom profiler		x	Applied Acoustics Surface Tow Boomer, Multitip Sparker, Deep Tow Boomer, Airguns	
Lidar	x			
Electric or electromagnetic		x	SeaSpy Magnetometer	
Gradiometric	x			
Coring devices		x	Shipek Grab, Clamshell Grab, Bock Corer, Uwitec corer, Gravity corer, Vibrocorer, 5m Seabed Rockdrill/Vibrocorer, 50m Seabed Rockdrill, Oriented Seabed Rockdrill, Wireline coring systems	
Other (specify)			1. L&R Gravity meter 2. shallow water acoustic positioning system. Also See Web site for equipment specifications: http://www.bgs.ac.uk/science/marine_operations/home.html	

Available observational equipment	No	Yes	Type	Used for archaeological purposes
HOV (manned submersible)	x			
ROV		x	Acrov and Seabotix	
AUV	x			
Camera (remotely operated)		x	Downhole, plus rent in camera frame from Seatronics. Also developing BGS small light weight system for semi-automatic seabed classification	
Video (remotely operated)		x	Downhole, plus rent in camera frame from Seatronics. Also developing BGS small light weight system for semi-automatic seabed classification	
Scientific diving	x			
Other (specify)		x	Note all BGS Seabed drills and Vibrocorers have multiple cameras, pan and tilt systems.	

Available lab/analysis technology	No	Yes	Type	Used for archaeological purposes
Multi logger	x			

Core (color) scanner				
C14		x	The NERC isotope geosciences laboratory is located at BGS, Keyworth	
OSL	x			
Pollen		x	The Biostratigraphy team at BGS Keyworth can undertake such analysis	
Diatoms		x	The Biostratigraphy team at BGS Keyworth can undertake such analysis	
Forams		x	The Biostratigraphy team at BGS Keyworth can undertake such analysis	
Dendrochronology	x			
Other (specify) Isotope analysis		x	Have access to Geotek Multi-Sensor-Core-Logger (MSCL) Geochemical analyses can be undertaken at BGS Keyworth Isotope Analysis U-Pb,Rb-Sr,Sm- Nd, C,N,O,S,	Isotopes are widely used as provenancing tool of artefacts and for human provenance. We are the leading UK Lab for such studies.

Teaching and/or training possibilities at the institute	No	Yes	Level (Bsc/Msc/...)	Specifications
Archaeology				
Marine geology/geophysics		x		Courses can be tailor-made
Quaternary science		x		Courses can be tailor-made
Maritime archaeology				
Other (specify)				

Available ships	Type	Size (m)	Specifications
BGS 'White Ribbon'	8m Catamaran	8m	Cheetah – Permanently fitted out with Kongsberg EM3002D multibeam and Surface Tow boomer and positioning systems. Fully mobile on own transport and launch and recovery system. Can also use magnetometer, SSS, camera sledge and light coring systems.