

Peter HOLT

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Employment

2010 – Present Freelance Consultant

ProMare UK

www.promare.co.uk

Responsible for management of archaeology and maritime history projects in the UK

Sonardyne International Ltd

www.sonardyne.co.uk

Consultant for offshore oilfield construction operations, diver and ROV tracking systems

University of Plymouth

Visiting Research Fellow and visiting lecturer in hydrography, marine geophysics, site surveying and shipwreck recording at the University of Plymouth

1998-Present

3H Consulting Ltd

www.3HConsulting.com

Director

Designed and developed the 'Site Recorder' and 'Site Surveyor' Information Management Systems designed for use in maritime archaeology.

Designed and developed 'Site Searcher' computer program for collecting and post-processing data for marine geophysical surveys.

Provides site survey, geophysical survey and recording consultancy to a number of clients, including the Mary Rose Trust, the Institute of Nautical Archaeology, the Western Australian Maritime Museum, NOAA, the Universities of Plymouth, Southampton, Bristol, East Carolina and Flinders as well as a number of commercial organisations.

1990-2010

Sonardyne International Ltd www.sonardyne.co.uk

System Architect

Designed the *Fusion* Long Baseline (LBL) and Ultra-Short Baseline (USBL) underwater acoustic positioning systems (APS), the industry standard for offshore oilfield construction operations. Designed the *Scout and Prospector* APS used on a number of marine archaeology projects around the world.

Qualifications and Experience

BEng. (Hons) Electrical and Electronic Engineering, Leeds University

Nautical Archaeology Society (NAS) South-west regional co-ordinator, NAS Senior Tutor

Commercial Diver - HSE IV, 4/14111/95

RYA Day Skipper Powerboat, Pilot for inspection ROVs

Designs and develops software programs for archaeology including a fully-featured Information Management System (IMS) for excavation recording and site management. Archaeology skills include all aspects of survey and recording work, finds handling, information management and publication. Proficient in software development (C++, MFC, STL, OpenGL), computer networks, databases, GIS, CAD and web site development. Provides training and consultancy in the use of marine geophysical instruments including magnetometer, side scan sonar and sub-bottom profiler, global positioning system (GPS), underwater acoustic positioning systems (APS) and inspection ROVs. Consultant in subsea positioning to a number of oil companies and offshore marine survey contractors.

Selected Publications

- Weapons of Warre: The Ordnance of the Mary Rose*, Hildred A., 2010, Contributor
- The SHIPS Project - Shipwrecks and History in Plymouth Sound, Society for Historical Archaeology Conference, Texas, 2011
- Developing Magnetometer Techniques to identify Submerged Archaeological Sites, Co-author, Society for Historical Archaeology Conference, Texas, 2011
- A Roman Shipwreck off the Island of Capraia, Italy, 2010, Co-author, Society for Historical Archaeology Conference, Texas, 2011
- The Search for HMS Whiting – Survey Plan and Report, Nautical Archaeology Society, 2010
- Towards A Standard Recording Schema for Maritime Archaeology, Society for Historical Archaeology Conference, Florida, 2010
- Developing Magnetometer Techniques to Identify Submerged Archaeological Sites – Theoretical Study Report (5671 DT), English Heritage, 2010, Co-author
- Development of a Digital Data Management System for Maritime Archaeology, IKUWA3, the 3rd International Congress on Underwater Archaeology, 2008
- A Digital Information Management System for Excavation Recording, Sixth World Archaeological Congress (WAC), Dublin, 2008
- Underwater Archaeology, the NAS Guide to Principles and Practice*, Survey chapter, July 2008, Co-author
- Geophysical Investigations of the Cattewater Wreck 1997-2007, 3H Consulting Ltd., 2008
- Battle of the Solent Shipwreck Search Survey Plan, Mary Rose Trust, 2008
- Survey Operations on the Mary Rose Site – 1996-2005, Mary Rose 25th Anniversary Divers Reunion Lecture Programme, 2007
- The Use of GIS in Maritime Archaeology – The Cattewater Wreck Case Study, NAS Annual Conference, 2007
- Kizilburun 2006 Project Report, October 2007
- Development of an Object Oriented GIS for Maritime Archaeology – Motivation, Implementation and Results, CAA UK Conference, 2007
- Subsea positioning for marine archaeology, SHA Conference on Historical and Underwater Archaeology, York, 2005
- Maritime Archaeology*, J. Green, 2004, Elsevier, contributor
- The application of the Fusion positioning system to marine archaeology, Underwater Detection in Archaeology Conference, May 2004
- Acoustic technology in historic wreck recovery, HYDRO International, March 2004
- An assessment of quality in underwater archaeological surveys using tape measurements, IJNA 2003 32.2 246-251
- Positioning in Deep Water, Massachusetts Institute of Technology DEEPARCH Conference, April 2002
- Vliegent Hart* Excavation Report, VOC Anniversary Shipwreck Project 2000, Co-author
- Project Plan for *Resurgam* SUBMAP Project, 1997
- Positioning of the Coronation Offshore Site, Off Penlee Point, Plymouth, UK, 1997
- Recent Developments in Acoustic Techniques used in Marine Archaeology, SUT 3rd Underwater Science Symposium, 1996
- Erme Estuary Site Survey Report, 1994

Selected Consultancy and Projects

ProMare

The SHIPS Project, Shipwrecks and History in Plymouth Sound, 2009-present, Project manager

ProMare

The Liberty 70 Project, study of the Liberty ship *James Eagan Layne*, 2011-present, Project manager

Nautical Archaeology Society (NAS)

The Search for *HMS Whiting*, Padstow, UK, 2010, Director

ProMare

Formiche shipwreck excavation, Capraia, Italy, 2009, Project surveyor and data manager

National Oceanographic and Atmospheric Administration (NOAA)

Migration and reprocessing of the *USS Monitor* (1862) site data, 2007

Institute for Nautical Archaeology, Texas A&M University

Mardi Gras Deep Shipwreck Excavation, Gulf of Mexico, 2007. Consultant

Private

Geophysical survey of the Cattewater Wreck, Plymouth, UK, 2007, Director

Institute for Nautical Archaeology, Texas A&M University

Roman Stone Carrier Excavation, Kizilburun, Turkey, 2006, Consultant

University of Bristol

HMS Firebrand (1707) survey, Isles of Scilly, UK, 2006-2008, Project surveyor and data manager

University of Bristol

Excavation of *HMS Nymph*, British Virgin Islands, 2005, Project surveyor and data manager

Mary Rose Trust

Mary Rose (1545) Excavation, Portsmouth, 2003-2005, Project surveyor and data manager

Cornwall and Isles of Scilly Maritime Archaeology Society (CISMAS)

Debris field survey of *HMS Colossus* (1798), Isles of Scilly, 2003, Project surveyor

Cornwall Archaeology Unit

Scylla Impact Assessment, Plymouth, UK, 2004. Co-author

Private

Geophysical survey of Plymouth Sound, UK, 1998 to date, Director

Cornwall and Isles of Scilly Maritime Archaeology Society (CISMAS)

HMS Colossus (1798), Isles of Scilly, UK, 2003, 2004, 2008, Project surveyor

VOC Anniversary Shipwreck Project

Vliegent Hart (1721), Holland, 2000-2002, Project surveyor and data manager

Private

Geophysical and site surveys on the *Coronation* (1691), Plymouth, UK 1998-1999, Director

Archaeological Diving Unit, University of St Andrews

SUBMAP project on the submarine *Resurgam* (1880), Off Rhyl, UK, 1997, Data manager

South West Maritime Archaeology Group

Marine geophysical survey of the Erme Estuary, UK, 1994, Project surveyor and data manager