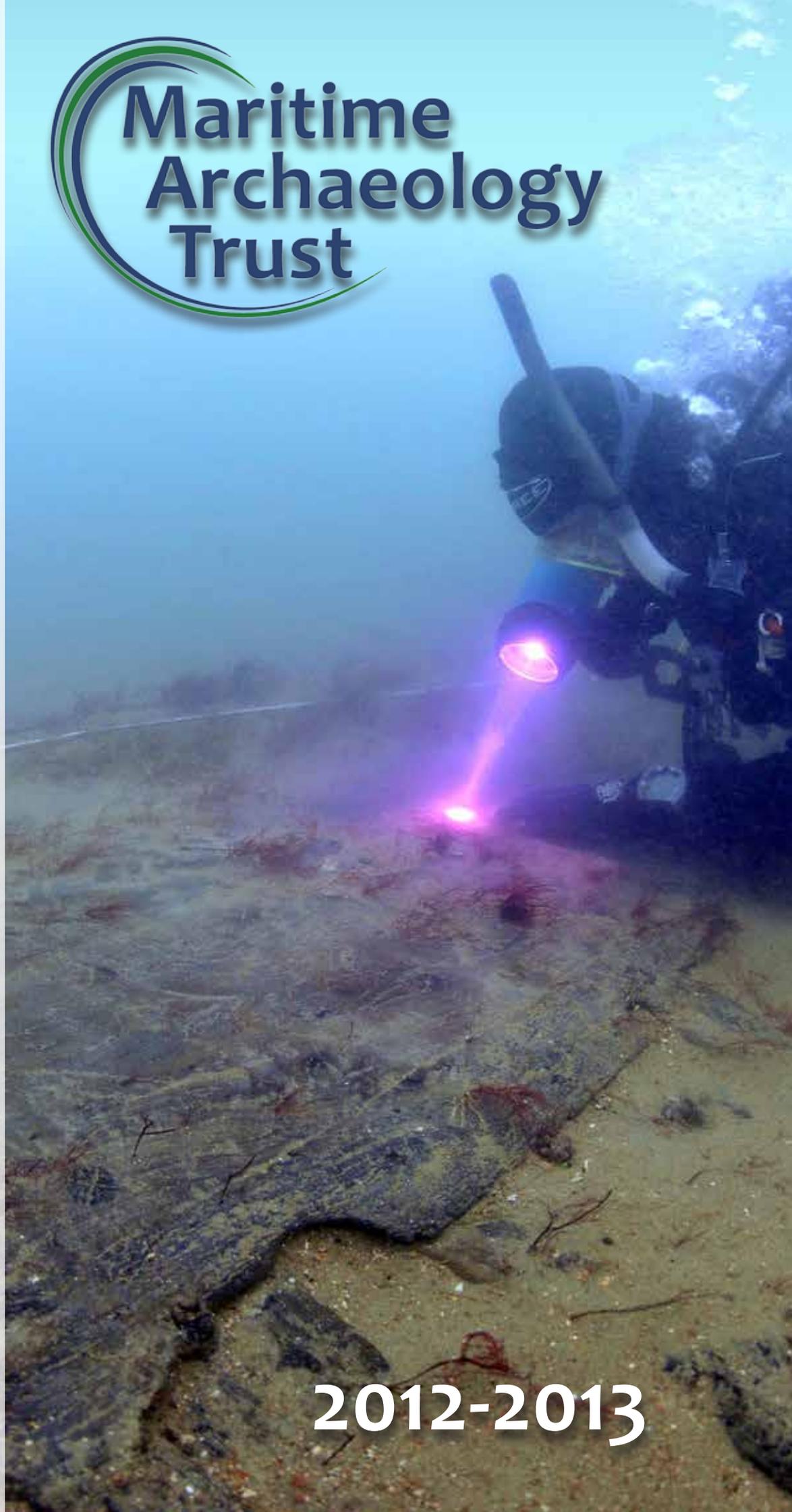




A Year in Depth



2012-2013

Maritime Archaeology Trust 2012-2013

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Julie Satchell, BA (Hons), MA, MIFA. Head of Research
Mrs C. Williamson, Treasurer

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Julian Whitewright, BA (Hons), MA, PhD

Sunken Secrets Staff 2013

Katy Bell, BA (Hons), MA
Katie-Sue Cambridge, BSc
Rebekah Cambridge
Nick Cokes, BA (Hons), MSc
Susan Davies
Tony Rayner
Eleanor Stevens

Key External Personnel

Nick Cokes
Danielle Newman
Peter Wilson

Front Cover Image: Volunteer diver Jane Maddocks at Alum Bay. Photo courtesy of Roland Brookes.

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We need YOU to help us preserve YOUR maritime heritage

Supporting the Maritime Archaeology Trust

As a charity we are reliant on support from trusts, companies and individuals. The donations and grants that we receive enable us to continue our valuable research, education and outreach work. We are seeking funds to continue to ensure that we succeed in preserving our fascinating but fragile maritime past and to engage communities with their local cultural heritage.

Trusts and Foundations

The Trust is extremely grateful for the funding it receives from charitable trusts and foundations. If you are a trustee or a foundation administrator and would like to discover more about our work, please get in touch.

Corporate Sponsorship

We have sponsorship opportunities available for both local national and international businesses. By sponsoring one of our projects or events not only will you be helping to preserve your maritime heritage, but you will benefit through the wide publicity and media interest gained by the Trust. This includes national and international media.

Donations in Kind

Donations such as diving equipment and activity materials for our education and outreach programme are of great value to us. We are extremely grateful for the donations we have received in this way during 2012-13. If you think you may be able to help us in this way, please contact us.

Becoming a Friend

The Friends of the Trust are a group of people with a keen interest in their maritime heritage and a strong desire to see it explored and preserved. Anyone is welcome to join, we offer events and activities that everyone can participate in and enjoy.

Simply fill out an application form (download from our website, or call to request one) and send it to us with a cheque or banker's order for your annual subscription.

Membership options are:

ADULT, full member £14.95

JOINT, full member £19.95

STUDENT/OAP, member £ 9.95

UNDERWATER EXPLORER (under 15), £7.95

As a Friend of Trust you will receive:

- A membership pack.
- Unlimited free admission to the Sunken Secrets Exhibition at Fort Victoria.
- Vouchers for free admission to Sunken Secrets for up to six guests.
- Regular copies of our 'Friends Bulletin' newsletter.
- A copy of our Annual Report.
- A programme of talks, workshops and social events.
- An invitation to attend our AGM.
- Opportunity to participate in archaeological fieldwork and research.

What's in a Name? HWTMA becomes MAT



The Hampshire & Wight Trust for Maritime Archaeology is also known as the Maritime Archaeology Trust.

*So, 'what's in a name'?
The answer, more than you think!*

Over the past 22 years the HWTMA has grown from a regional organisation to our current status as a nationally and internationally renowned centre for maritime archaeology. To better reflect the scope of the organisation and work we will now be using our registered name of the **Maritime Archaeology Trust (MAT)**.

While the research, education and outreach work of the Trust within the Solent and South Coast of England continues unabated, the MAT is undertaking a range of collaborative projects spanning the Channel, Europe and further afield.

With the new name comes a new logo. As it becomes more familiar it will soon be associated with pioneering archaeological initiatives promoting the Trust and maritime heritage across the globe.



Today much of the work of the *Hampshire & Wight Trust for Maritime Archaeology* is undertaken outside of the two counties that gave the Trust its name. This was exemplified in January 2013 when the Trust was awarded the internationally acclaimed Daniel G. Roberts Award for Excellence in Public Historical Archaeology by the American Society for Historical Archaeology. To reflect our expanding sphere of activity the Management Committee approved our new title *Maritime Archaeology Trust* with a revised policy statement which can be seen on the back cover of this annual report. The new name, which also complements our trading company *Maritime Archaeology Limited*, will be presented to the Annual General Meeting in October.

In the coming year, the Trust will demonstrate the relevance of our new title by working with UNESCO and national funding organisations to commemorate the maritime aspects of the First World War in regional as well as international theatres of conflict. The submerged cultural heritage lying on the seabed is as real and significant as any on land. To bring to light the histories of these WW1 wrecks, we will be aiming at larger audiences via the internet, presentations and new exhibitions.

The on-going European Union Arch-Manche project has used art and archaeology to demonstrate coastal change; while the EU Atlas of the 2 Seas initiative allowed us to gather more data from sites that could be used as online educational resources. These projects, like the seas themselves, transcend national frontiers. The work has brought to light a common international heritage that is not confined to our regional seas or indeed to shipwreck heritage. There is a vast submerged prehistoric landscape resource on the seabed which the MAT is involved with researching. In particular the Bouldnor Cliff Mesolithic site continues to be explored providing even more evidence of 8,000 year old habitation.

I wish to record the Trust's thanks to Garry Momber for his continued dynamic leadership, and to all members of the staff team for their vital work on income generation, research, education and dissemination activities. I take this opportunity to thank them for their dedicated work in making the Trust such a success. I would also like to thank the European Regional Development Fund, Hampshire County Council, English Heritage, the Heritage Lottery Fund, Southampton City Council, the Isle of Wight Council, the Universities of Lampeter, Southampton and York, the Crown Estate, along with those other authorities, companies, organisations, trusts and individuals who are listed in this report for their sponsorship and support over the past twelve months.

John M Bingeman
Chairman
October 2013

Arch-Manche: Project Update



'The project is a good example of integration between different policies, disciplines and initiatives.'

Janez Potočnik,
European Commissioner for the Environment.

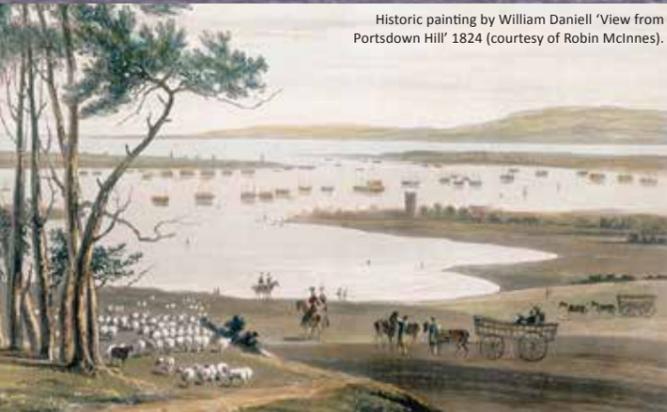
Over the last year the Maritime Archaeology Trust has continued its work on the Arch-Manche project. The project began in 2011 and is using data from archaeology, art and coastal heritage features to investigate long-term patterns of coastal-change and its impact on human settlement. Such data can be used to shape approaches to coastal management and inform sustainable policies for adapting to climate change. The project includes partners from France, Belgium and the Netherlands and has been part funded by the European Regional Development Fund, through the Interreg IVA 2-Seas programme.

The project is timely due to predicted increases in coastal erosion, flooding and instability affecting Channel coastlines. Arch-Manche will benefit from, and contribute to, developing practice in the study of submerged and intertidal archaeology, palaeoenvironments and coastal features. Combining the investigation and dating of archaeological remains with information from artistic representations is providing micro and macro scale data on past coastal change across the 2-Seas area.

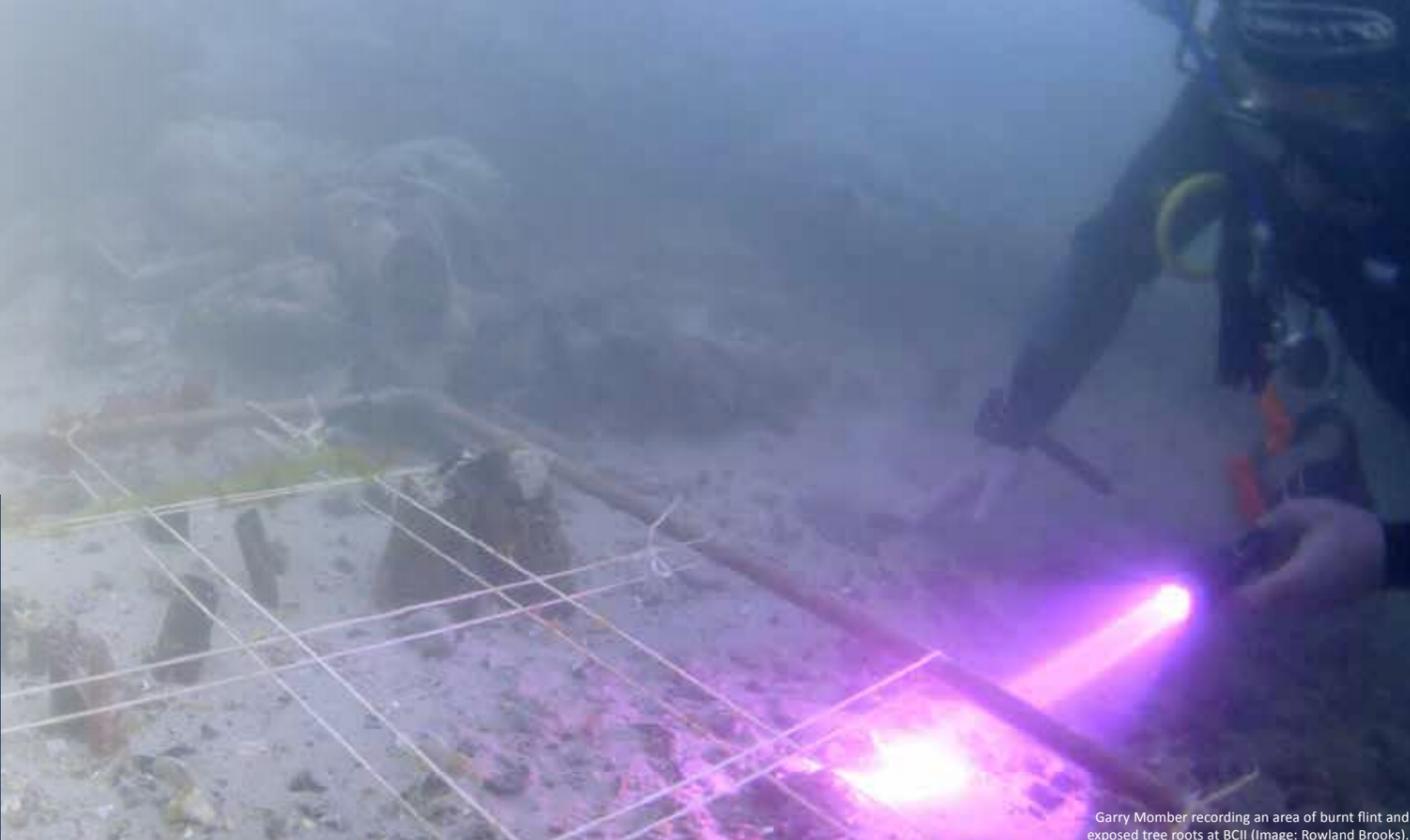
During the last year the project has conducted over twelve weeks of fieldwork; intertidal, underwater and geophysical. Partners have also collated a wide range of historical paintings, photos, maps and charts in order to better understand our changing coastline.



The Arch-Manche team visiting the drowned land of Saeftinghe on the Scheldt Estuary.



Historic painting by William Daniell 'View from Portsdown Hill' 1824 (courtesy of Robin McInnes).



Garry Momber recording an area of burnt flint and exposed tree roots at BCII (Image: Rowland Brooks).

2013 Fieldwork: The Western Solent

The extensive submerged landscapes of the western Solent were re-visited in 2013 with fieldwork covering an area from Hurst Spit to Bouldnor Cliff and across to Tanners Hard. These sites contain a wealth of archaeological and palaeoenvironmental material, which provides high resolution data on the development of the western Solent including coastal and climate change and human responses to this.

The team carried out a series of erosion surveys around the site of BCII (Bouldnor Cliff). This has been combined with recent bathymetric data (courtesy of MSDS Marine/Swathe Serices) and compared to surveys from 2003. This will allow us to understand long term patterns of coastal change and current rates of erosion along the submerged cliff. Further evidence of human activity was also discovered at the site, including hundreds of worked and burnt flints.

Drift dives were undertaken around Tanners Hard and Hurst Spit in locations identified as having archaeological potential due to the observation of large tree stumps and peat deposits similar to those found at Bouldnor Cliff. Samples taken from the submerged stratified deposits will provide dating and environmental material.

2013 Fieldwork: Langstone Harbour

Langstone Harbour is a large, shallow marine inlet on the south coast of England that has a long archaeological record demonstrating occupation and use, stretching from the early Palaeolithic right through to the present day. The harbour is an eroded inland basin within which the islands at the northern end contain the remaining in-situ archaeological deposits, now threatened by coastal erosion.

In 2013, a shallow-water marine geophysical survey was undertaken to discover more about the buried palaeochannels between the islands, that had previously been identified from auger surveys. Such features can provide important information on how the harbour has developed over time. Work was carried out under the guidance of marine geophysicist Dr Tine Missiaen from Ghent University and the survey vessel was provided and helmed by the Nautical Archaeology Society Sub Aqua Club (NASAC).

The data is being processed at Ghent University, but the material observed by the team during the survey has indicated several seafloor anomalies as well as very shallow sediment layering including buried palaeofeatures.

Cross-Border Collaboration

In June 2013, MAT staff joined the continuing excavation of 'Le Petit Taureau' fish trap site in Servel, Lannion (Brittany). Work this year focussed on the oldest phase (AD 580-660) of this multi-period fish trap site. These sites are useful indicators of coastal change as their height and location are very specific relative to the tide in order to be successful.

MAT staff were also able to join Belgian partners to visit their case study site on the Scheldt Estuary. The multi disciplinary use of geological, archaeological and historical resources has enabled the team to reconstruct coastal landscape evolution and the increasing role of humans in landscape development. Our Belgian partners have also been leading on the use of historical maps and charts in reconstructing former shorelines, and have developed a system to allow objective chronometric, topographic and geometric ranking of maps and charts.

Southampton Maritime Festival

The inaugural Southampton Maritime Festival exploded onto the scene during the bank holiday weekend of the 5th and 6th of May 2013. The event took place at Associated British Port's *Ocean Cruise Terminal* and the surrounding dockside. The festival was coordinated by the Trust, under the umbrella of the *Southampton Heritage Foundation*.

At the heart of the organisation were the 120 volunteers who ensured that the event ran smoothly. The weather played its part, with two days of glorious sunshine, making it a memorable event for the 12,000 visitors who attended.

The Maritime Festival was opened by Prince Michael of Kent who arrived on board the recently renovated Steam Tug *Challenge* and accompanied by a fleet of Dunkirk Little Ships. On shore, Dame Mary Fagan, the Lord Lieutenant of Hampshire and music from the Sea Cadet Band welcomed His Royal Highness. Guided by Trust Director Garry Momber, Prince Michael undertook a tour of the festival site enjoying the historic ships, steam vehicles, re-enactment groups and vintage vehicles with music from the 1940s in the background. The congregated historic ships included the *SS Shieldhall* along with several classic boats from the Second World War. The vessels paid tribute to the bravery of the Allied forces in the Second World War and the veterans who were invited to take part in the event.

The first year of the Southampton Maritime Festival was a great success and offered a valuable opportunity to showcase some of the region's maritime heritage.



Images from the Southampton Maritime Festival. This page, Top: The Maritime Bus kept people entertained throughout the festival. Bottom: Dame Mary Fagan and HRH Prince Michael of Kent are greeted by Trust Director Garry Momber on their arrival at the festival (image: Ann MacGillivray). Facing page, main image: Crowds gather outside Ocean Terminal. Left to right: Vintage buses brought visitors to the festival (image: Vincent SHS), HRH Prince Michael of Kent opened and toured the festival (image: Colin Lee), historic vessels decorated for the event, festival-goers dressed in period clothes including as the King and Queen.

Festival Highlights

Throughout the two days of the festival, the *Ocean Cruise Terminal* bustled with activities for the young and the not so young. The 100+ exhibitors all reported a successful and rewarding two days as 12,000 visitors were treated to outstanding heritage exhibits inside and out.

Families crammed into the Heritage Workshop and clambered aboard Southampton's historic trams; the workshop reported that they had received more visitors during the festival than in the previous 13 years! The Dunkirk Little Ships and the other historic vessels were the recipients of excited visitors and some people were lucky enough to be on board *SS Shieldhall* for the Monday afternoon cruise.

The historic Trafalgar dry dock was the scene for vintage hard hat diving gear being demonstrated by the Historical Diving Society. Meanwhile, remote controlled yachts and an SAS re-enactment motorised canoe plied the surface of the dock. The Trust's Maritime Bus was on hand throughout the festival to keep people amused and informed about a wide variety of maritime archaeological sites from around the Solent. The Art-2-Sea project, run by the Friends of the MAT, held a children's maritime art competition judged by Councillor Derek Burke in one of his last duties before retiring as Mayor of Southampton.

In addition to the floating and maritime heritage, a large number of historic vehicles attended the festival. The visiting crowds marvelled at the magnificently maintained steam engines and the collection of vintage Aston Martin and Rolls Royce cars. The Garrison living history group took everyone back to the Second World War as they demonstrated their original anti-aircraft searchlight while dressed in authentic uniform.

Throughout the festival, a wonderful atmosphere was created by the non-stop 1940s themed music and many of the festival-goers joined in the fun by dressing in a range of period clothes, greatly adding to the scene. Alongside this were the unique sounds of Wailing Johnny from the Jubilee Sailing Trust who kept children and adults amused with pirate songs and recitals around and about the festival site.

The high point of the festival was the fly-past by the Lancaster bomber of the Battle of Britain Memorial Flight. On both days the Lancaster flew over, and over, and over; four or five times in total to thrill the crowds. The roar of the four magnificent Rolls Royce Merlin engines gave the impression that the plane was so close you could almost touch it, bringing the Festival to a fitting and very successful conclusion after a wonderful weekend. The festival's success can be gauged by the large number of enquiries received after the event asking when the next Southampton Maritime Festival will take place.

First World War Commemorative Projects

As the centenary of the outbreak of the First World War approaches, communities, individuals and organisations around the world are planning to commemorate and remember the global conflict that had such a tremendous impact on today's world.

While public understanding and engagement with the history of the Western Front, trench warfare and archaeological remains on land is relatively well developed, there is a vast, yet less well recognised, historically significant resource lying on the seabed and in the intertidal zone.

The Maritime Archaeology Trust is working on regional, national and international projects to address this under-representation and bring these significant underwater memorials into the public's consciousness.

This year has involved extensive development work to inform project designs and funding applications for projects that will run for the duration of the 100th anniversary of the First World War (2014 – 2018).

During diving fieldwork this summer Trust divers and volunteers have visited a number of First World War wrecks in the Solent (p. 14-15). Gathering data on these sites is enhancing understanding of individual vessels while providing complementary information for use within a number of First World War projects.

Christin Heamagi inspecting one of the guns on the stern section of SS Serrana in July 2013.



UNESCO International Research Network

The Trust is a partner in the UNESCO International Research Network for Underwater Cultural Heritage of the First World War. This includes partners from the UK, France, Belgium, the Netherlands, Denmark, Sweden, Portugal, Turkey, Australia and the USA. The network aims to create a strong international research community that will link several national research projects. By bridging national and scientific boundaries, collaborative efforts will enable an interdisciplinary approach to raising awareness of the international nature of the First World War heritage lying underwater.

Forgotten Wrecks of World War One Project

The Heritage Lottery Fund (HLF) have funded the Trust's development of a second round application for a project entitled *Forgotten Wrecks of World War One: Remembering and commemorating through archaeology*. The development work has involved evaluating archaeological and archive data and undertaking pilot activities to inform the second round application. This has included:

Assessing archaeological data: Evaluation of wreck and near-shore archaeological datasets to identify known sites along the south coast dating to the First World War. These are being assessed for their research potential, identifying those to be included within future investigations. Geophysical survey datasets are also being reviewed to discover those which may have survey images of relevant wrecks.

Developing partnerships: Engaging with former, existing and new contacts/networks to ensure planned work complements that of other organisations. Whether focused on research, activities, displays or events, communication with groups and organisations is developing and enhancing partnerships.

Pilot volunteer activity days: These have been undertaken to determine what can be achieved by collecting information relating to First World War sites, through historic research and survey. They also aim to evaluate formats for providing popular and enjoyable heritage volunteering opportunities and helping people engage with their heritage. One such day was spent at The National Archives, Kew where volunteers learnt about the fantastic collection and how to access it. This demonstrated that if you want to be involved with maritime exploration and discovery, you don't always have to get wet!

Not all First World War maritime sites are wrecks or even submerged. Many coastal and foreshore sites had a significant role to play in the conflict and another pilot volunteer survey day focused on one of them. With the kind permission of Marina Developments Limited, volunteers undertook non-intrusive survey, using a range of techniques, on the foreshore at Hamble Point. This area was extremely important for the production and testing of sea-planes during the First World War and the volunteers learnt new skills and collected information about the surviving physical remains.

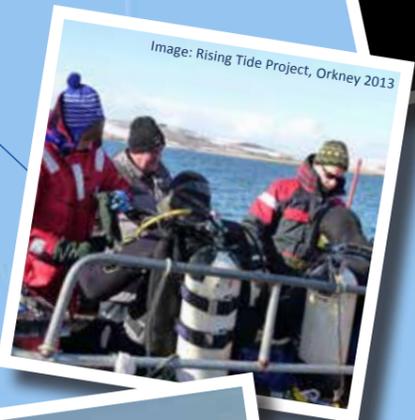
Consulting with teachers, pupils and the public: The Trust has piloted a variety of different in-school maritime First World War sessions this year, working with five to eighteen year olds in 11 different schools. Over 2,000 pupils have benefited from these sessions, enabling us to determine what themes and delivery formats are most popular with teachers and pupils. Teachers from across the country have provided valuable feedback and comments for the education element of this proposed project. Meanwhile, more than 300 members of the public have provided detailed feedback, through online surveys and face-to-face interviews, about how they would like to see the project develop.

In the past twelve months, the Maritime Archaeology Trust engaged the public with their archaeological heritage through 102 events, including:

- 6,648 visitors aboard the Maritime Bus.
- 3,501 school pupils taught in 51 facilitated sessions.
- 6,739 visitors to the Sunken Secrets Exhibition, including 1,255 school pupils from 31 schools.
- We have also received over 100,000 visits on our websites.
- The Southampton Maritime Festival, involving 12,000 visitors and 120 MAT volunteers.

Meanwhile, our archaeological fieldwork and research has;

- Conducted 116 people-days of fieldwork.
- Involved volunteers contributing over 2,000 hours of their time.



Education & Outreach



Top: Children from the Grey House School in Hampshire during a hands-on introduction to archaeological surveying.
Bottom: Poole Young Archaeologists' Club experimenting with mini-airlifts.

Education and outreach continues to be at the heart of the Maritime Archaeology Trust's activities and the past year has been particularly diverse.

The Trust has been working with a large number of schools and universities, covering all age groups from primary to post-graduate. More than twice as many schoolchildren have received a maritime archaeology education session in 2012/13 compared to the previous year. Small-group work has included children with Special Educational Needs, on Gifted and Talented programmes and in Young Archaeologist Clubs at Poole, Southampton and on the Isle of Wight.

To help this work, a new-look, user-friendly website for schools has been launched and we continue to develop existing and new resources for school and public audiences. The website will continue to be updated with new material.

www.schools.maritimearchaeologytrust.org

This year the Maritime Bus has travelled to new audiences in our continued efforts to promote maritime archaeology and the work of the Trust far and wide. Meanwhile, the Trust has continued to engage with a broad cross-section of people, giving public talks to a wide range of groups and organisations including Yacht Clubs and branches of the Women's Institute.



The Maritime Bus: Out and About

Funding from the Hampshire County Council Activity Grant programme enabled the Maritime Bus to be taken into the heart of Hampshire's communities, including Queen Elizabeth Country Park, Basingstoke Market Place and the New Forest National Park for an outdoor learning event. This funding also enabled attendance at the Hampshire Headteachers' Education Conference where the Trust was able to showcase its resources to more than 100 head teachers from Hampshire schools.

This year's biggest events, in terms of the number of people onboard the Maritime Bus in one day, were the ever-popular Jubilee Sailing Trust's annual Pumpkin Festival at the Royal Victoria Country Park in Netley, the Oceans and Earth Day at Southampton's National Oceanography Centre (NOC), the Southampton Maritime Festival (p. 6-7) and the Young Carers' Festival in Hampshire, which hosts more than 1,600 young carers from around the country for a much deserved day of fun and activities. In October 2012 the Maritime Bus was re-branded to become the welcoming exhibit at Kent Coastal Week's flagship event at Ramsgate Royal Harbour, which was attended by over 2,000 people

Name Change and Face-lift at Fort Victoria

It's not only the Trust that has changed its name this year. The MAT seasonal exhibition at Fort Victoria, formerly known as the Underwater Archaeology Centre, was also renamed to *Sunken Secrets: Shipwrecks and Submerged Settlements*. The new name was chosen to more accurately reflect the content and theme of the exhibition. It coincides with an external 'makeover' at Fort Victoria, which includes the installation of a Victorian cannon in one of the casemates, associated interpretation panels, enhanced

signage and facilities. The refurbishment at Fort Victoria has been undertaken by the West Wight Landscape Partnership.

Ernest Cook Schools Programme

Support from the Ernest Cook Trust has enabled us to provide (through complete, or match-funding) educational activities and events for young people of all ages and abilities. This has included:

- In-school sessions at Hampshire schools for children with Special Educational Needs
- Stop-motion animation sessions for Gifted and Talented pupils at St Mark's School, Southampton.
- Facilitated sessions for schools visiting *Sunken Secrets*.
- School workshops at Southampton's SeaCity Museum
- An introduction to maritime archaeology for A-Level archaeology students from York College

Institute of Physics Public Engagement Project

The Institute of Physics (IoP) funded *Science Digs for History* project has been increasing the availability of the mini-airlift resources produced through an earlier IoP-funded project. Working closely with three south coast Young Archaeologists' Clubs (Southampton, Poole and the Isle of Wight), Trust staff helped young archaeologists understand the physics behind the airlift used in underwater excavation. The young archaeologists were then helped to run public outreach sessions where they taught what they had learnt to members of the general public at Poole Museum, Southampton's NOC and onboard the Portsmouth to Fishbourne Wightlink ferry. With Trust help, the young archaeologists have also produced a short video explaining the airlift and showing physics in action. This will soon be available on the new Trust website.

Shipwrecks & Submerged Landscapes

Building on the momentum derived from the Atlas of the 2 Seas expeditions, Trust diving fieldwork over the past 12 months has been as intense as ever, this time driven largely by the Interreg IVA funded Arch-Manche project.

Since September 2012 the Trust has been involved in excavations and surveys ranging from a balmy Brittany in the south to a chilly Orkney in the north during February 2013. Summer fieldwork in 2013 has been conducted over three weeks between May and late July in the eastern and western Solent and has encompassed an unprecedented number of sites due in part to the fine weather, an experienced group of volunteers and an expanded professional team.

The Arch-Manche project is demonstrating how archaeological sites can provide evidence of environmental change. To gather data for this project monitoring surveys of a range of wreck types were undertaken; dating from the 18th Century to the First World War. This year's work has also highlighted the vulnerability of many of these assemblages and the ongoing threats that are impacting them, continually reducing the quality of the information that can be recovered.

While some have been subject to extensive research and recording, such as *Flower of Ugie*, the need for urgent investigation for other high or very high potential sites from which there is much more to learn is equally unequivocal.



Top: Brandon Mason recording the Mesolithic submerged landscape of Bouldnor Cliff, June 2013.
Bottom: Garry Momber, Lawrence Moran and Andy Williams recovering worked flints from Bouldnor Cliff, July 2013.



Volunteer archaeologists Andy Williams and Jane Maddocks inspecting anchor damage on the remains of Alum Bay 1 (Courtesy of Rowland Brooks).

2012-2013 Fieldwork Report

In late September 2012 the Trust was involved in the continuing excavation near St Malo, Brittany on the Z124 gun wreck. Working alongside our A2S partner ADRAMAR, more than 30 m of keel was identified and numerous artefacts were recovered, including whole barrels, leather shoes and high status tableware indicative of an early 17th century vessel.

In February 2013 Trust divers formed half of the archaeological diving team undertaking the Rising Tide Project, a collaborative research project in the Orkney Islands. The team used the concept of 'seamless archaeology' where land-based archaeology is integrated across the intertidal zone into the marine zone. In the Bay of Firth this approach, together with geophysical investigations, historical archive research, ethno-archaeology, coastal geomorphology, palaeo-environmental analysis and sea-level science allowed a better understanding of the landscape in which prehistoric settlers lived.

Closer to home, work at Bouldnor Cliff continued in conjunction with the Arch-Manche project and is described on pages 4 and 5. Also in the western Solent, further information from the Alum Bay wrecks was gathered in preparation for the forthcoming monograph. The AB2 site appears to be stabilising under increasing levels of sand, in contrast, AB1 (HMS *Pomone*, 1805) is obviously being rapidly degraded, as demonstrated by an anchor having recently broken one of the iron knees (main image) that characterise this important wreck of a Napoleonic era frigate.

A range of significant sites were monitored during early July, with an exceptional number being visited in just five days; HMS *Boxer* (1918), HMS *Velox* (1915), PS *Empress Queen* (1916), SS *Luis* (1918), *Caduceus* (1881), *Flower of Ugie* (1852)

HMS *Impregnable* (1799) and *Eagle* (1703: not located). Finally, monitoring of the Protected wreck sites of Yarmouth Roads and the Needles was conducted, as part of our ongoing licensee commitments.

Collaborative Survey

The Trust collaborated with the Channel Coast Observatory (CCO) during a week of diving in the eastern Solent. Our staff were welcomed aboard the Swedish survey vessel *Ping* by MMT Sweden during a detailed multibeam survey on behalf of the CCO. Six new anomalies were initially identified during the survey, two of which were dived by the team later that week.

The first site on the Ryde Middle bank appeared to be a simple steel barge approximately 10 m in length with very few internal fittings or super-structure. The second site off Brackelsham Bay was almost 30 m in length and may be a fuelling vessel or possibly an inverted landing craft, similar to LCT(A) 2428 on which the Trust worked with Southsea Sub Aqua club in 2010. Both sites are likely to date from the Second World War.

Conclusion: Facing Future Threats

With an emphasis on monitoring and recording changes to known wrecks and palaeolandscapes, a common theme that has developed across many of the sites we have visited is that of threat. Whether occurring from natural processes, as is most likely in the case of the *Flower*, or from a lack of protection and awareness, as with Alum Bay 1, the need to investigate, record, publish and where appropriate, protect, in order to increase our understanding and engage the public with their submerged heritage has never been greater. These issues and the forthcoming results will serve to inform and develop our aims and objectives over the coming year.

Partnership Projects

The cross-disciplinary and international nature of the maritime cultural heritage resource requires wide ranging partnerships to develop and deliver research and management programs. An understanding of cultural heritage can be of great value where it gives a sense of place and unity to a region or nation. It can also provide physical as well as social reference points.

Over the last year the collaborative Arch-Manche project, outlined on pages 4-5, has enabled cross-border co-operation between CNRS in France, Ghent University in Belgium, Deltares in the Netherlands and ourselves. MAT continues to work closely with the Universities of Southampton and Birmingham, and are working with the University of York to assess the archaeological potential of submerged landscapes in the Red Sea. As members of the European SPLASHCOS initiative MAT is liaising closely with interdisciplinary colleagues from the Black Sea to the Baltic while the recent awarding of an EU Marie Curie funded project has involved the Trust with a European consortium led by the University of Lampeter.

As the MAT expands its horizons overseas there is still a strong commitment to regional links with local schools and community groups, and it was the strength of local partnerships that made the Southampton Maritime Festival possible (see pages 6-7).



Arch-Manche project partners and steering committee members lend each other a hand in the inter-tidal mud of Saeftinghe on the Scheldt Estuary. From left to right: Peter Murphy (English Heritage), Marnix Pieters (Flanders Heritage), Peter Vos (Deltares), Marie-Vane Daire (University of Rennes).



Top: The Hampshire Heritage Skills training placements facilitated archaeological fieldwork training for Philippa and Jasmine with North Cornwall Heritage. Bottom: Lauren Tidbury guides Peter Vos (Deltares) and Tine Missiaen (University of Ghent) during a European partner visit to Langstone Harbour.

Cluster Initiatives

Building upon the solid foundations laid during the Arch-Manche project, the Trust will be involved in a new European initiative – Partnering for Risk Management and Engagement on the Coast (PRiME-C). The objective of this project is to promote and improve the development of activities linked to Integrated Coastal Zone Management (ICZM), maritime resources and estuaries. With eight partners from the UK, the Netherlands, Belgium and France, the Trust will be providing an archaeological perspective.

The PRiME-C partners recognise that coastal zones are under continuous and increasing pressure on account of population density and the wealth of coastal resources. Many sectors are competing within this vital space while experiencing stalled socio-economic growth. In addition, the 2 Seas region is being impacted by coastal and climate change and their associated risks (such as rising sea levels, extreme weather, flooding and changing habitats). The PRiME-C cluster will address these issues by capitalising on the learning and experiences from nine INTERREG projects, including Arch-Manche, to identify effective risk management strategies within the context of ICZM. This project is being led by Kent County Council and is funded by the European Regional Development Fund through the Interreg IVA 2-Seas programme.

Helping Manage England's Maritime Archaeology

Informing on the effective management of maritime archaeology and underwater cultural heritage continues to be an important part of the Trust's work, in addition to archaeological fieldwork and dissemination. Two such projects, commissioned by English Heritage, have been ongoing during the last year; the *Maritime Archive Backlog Project* and the *Heritage Partnership Agreement Project*.

The first of these continues to address the extent of the publication backlog relating to maritime archaeological work that has taken place below the low-water mark in England. Meanwhile, the other is developing new ways for the public to have greater involvement in the day-to-day monitoring and management of archaeological sites. More information on both projects can be found at the Trust website.

Hampshire Heritage Skills Scheme

In 2012 the Trust received Heritage Lottery Funding from the Hampshire Heritage Skills Scheme for two training placements. The two trainees, Philippa and Jasmine, have had an exciting first year and have been involved in lots of different aspects of the Trust's work. As the Archaeology trainee, Philippa has been heavily involved in the Arch-Manche project, which has now progressed into the data entry phase. She has also had the opportunity to be involved in other projects, including contributing to publications and participating in a SonarWiz training day.

Jasmine, the Education and Outreach trainee, has also had many different projects over the last year. She has overhauled the Trust's school website, been to many public events with the Maritime Bus and completed various graphic design works for a variety of projects.

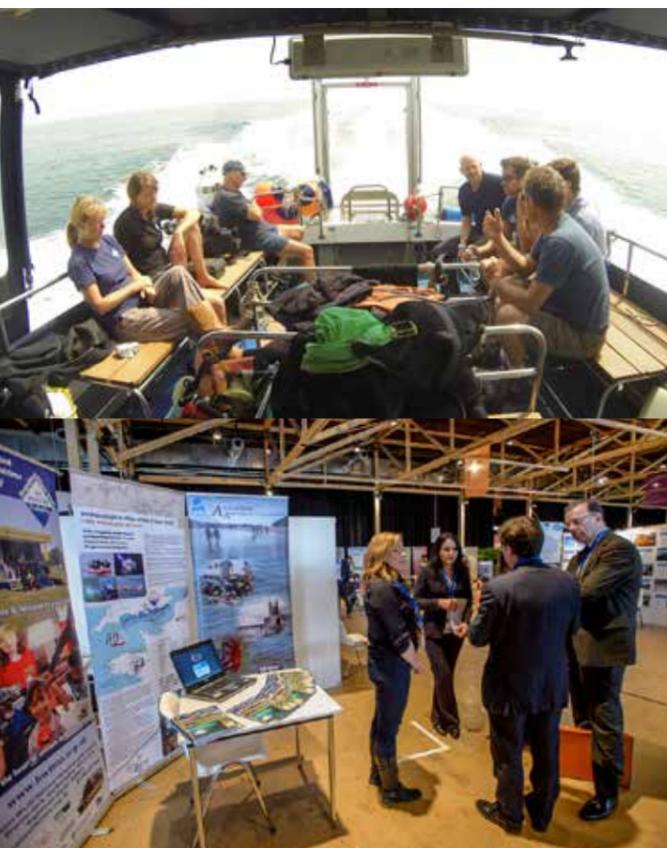
Philippa and Jasmine have also had the opportunity to work together; they ran the Publicity and Marketing campaign for the Southampton Maritime Festival, have participated in Arch-Manche fieldwork in Brittany, ran a pilot study for the development of the HLF Forgotten Wrecks of WWI project and were able to participate in a week's training excavation with North Cornwall Heritage. Philippa and Jasmine are both looking forward to the rest of their placement.

Representation Publicity & Publication

The Maritime Archaeology Trust has been working to identify, record and catalogue the submerged, intertidal and near-shore cultural heritage since 1991. The depth of knowledge this has brought regarding management, conservation and archiving puts MAT in a unique position to represent the maritime cultural heritage in a wide suite of committees and working groups.

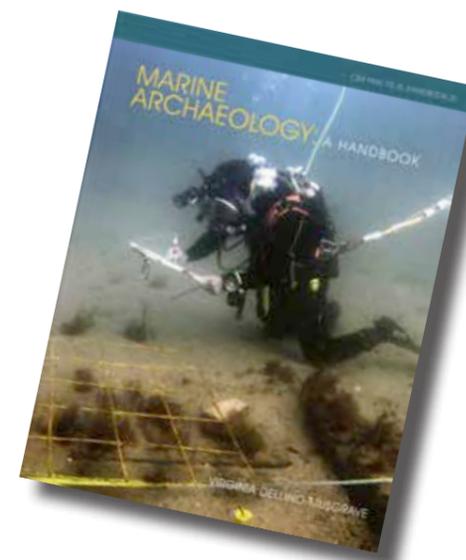
Heritage guidance is provided to cultural community networks, contributions are made to national academic research frameworks and advice is given to help build maritime archaeological capacity around local and international shores. Beyond the conference room, MAT rhetoric is included in publications aimed at children, cultural management organisations and the research community. Education and public outreach has warranted particular attention where MAT has created a strong presence on the internet and physically with the Maritime Bus and in the Sunken Secrets exhibition (see pages 12-13).

The maritime cultural heritage is an exciting and dynamic discipline, allowing it to be used as a method of conveying knowledge of our shared heritage. Wherever possible, publicity through main stream media has been sought to carry stories about a common past to a wide audience. Interest has been generated following pioneering fieldwork, educational initiatives or high profile events such as the Southampton Maritime Festival (see pages 6-7).



Top: Dive team briefing for BBC filming while en-route to the wreck of the *South Western*, torpedoed in 1918 south-west of St Catherine's Point.
Bottom: Spreading the word at the INTERREG annual meeting in Rotterdam.

Bringing science & heritage to your door



- Southampton Heritage and Arts People.
- Southampton Heritage Federation.
- SPLASHCOS Conference, Esbjerg, Denmark.
- UNESCO Underwater Cultural Heritage meetings.
- 2nd Workshop on Coastal Erosion at Sites of Archaeological Interest, Naples, Italy.

Publication

- Antiquity Journal, 86 (334).
- IKUWA3 Conference volume 'Beyond Boundaries': Papers on submerged landscapes, maritime archives, education and engagement.
- International Journal of Nautical Archaeology.
- Marine Archaeology: A Handbook (pictured left).
- Maritime Archaeological Research Agenda for England (contributions).
- Nautical Archaeology.
- Proceedings of the Seminar for Arabian Studies, 42, p.245-260.
- Solent News.

Publicity

- BBC Radio Solent.
- BBC Radio H2O show.
- BBC News website.
- BBC South Today.
- Isle of Wight County Press.
- Military History Monthly.
- SO.A.P. (Southampton Arts Paper)
- Southern Daily Echo.
- The Herald.
- Voice FM.
- West Quay Shopping Centre.

Representation

- Arch-Manche 3rd partner meeting, Ghent.
- Council for British Archaeology - Wessex Region.
- English Heritage Advisory Committee.
- EuroMed 2012 Conference, Limassol, Cyprus.
- INTERREG Annual Event, Rotterdam.
- Institute for Archaeologists - Various Committees.
- International Coastal Symposium, Plymouth.
- Joint Nautical Archaeology Policy Committee (JNAPC).
- Liberation Route Europe.
- Marine Management Organisation (MMO) Planning Event, Chilworth, Hampshire.
- Scientific Diving Supervisory Committee.Solent Forum.
- Shipwre Conference, Stockholm.
- Society for Historical Archaeology.
- Solent Forum.
- Standing Conference on Problems Associated with the Coastline (SCOPAC).

Volunteer Contributions and Assistance

Elizabeth Adams	Jade Martin
John Allen	Gloria Mastromauro
Harry Allerston	D. Mayne
John Avery	Charlotte Mayne
Lucy Barker	Victoria McClure
Henry Bass	June Mikulski
Colin Baxter	Katie Momber
David Belfield	Carole Momber
Barbara Belfield	Teresea Momber
Stuart Bennett	Colin Momber
Mustafa Bilgili	Lawrence Moran
Lorraine Blakey	J. Moran
Peter Blakey	Safiya Mulla
Keith Brawn	Peter Murphy
G. Broadman	Maria Newbery
Roland Brookes	Si Newell
Catherine Butcher	Michael Nugent
Lisa Carr	Eleanor Paine
Robert Christie	Jack Pink
Pauline Christie	Michael Pitts
Lorrie Coffey	Nora Piva
Colin Colin	Amy Rawlinson
Samantha Cope	John Rawlinson
John Cross	Choo Rhui Yee
Martin Davies	Dave Robbins
Jose-Oscar Encuentra-	Kay Rogers
Bardina	Zheng Rong XingChen
Florie Fernandes	Val Sefton
Rob Fish	Vincent Song
Rosalind Fountain	C. Spencer
Barry Gilbert	James Stone
Lewis Gilbert	Michael Stratigos
Nikki Guy	Xing Sun
Chris Gardner	Jean Sutton
Jill Gardner	John Sutton
Melissa Hallas	Jane Thakker
Katherine Hargreaves	Veronica Tippeas
Beatrice Harmer	Carol Underwood
Jack Hawker	Clare Usmar
Pearline Hingston	Vince Walker
Colin Hingston	Denise Walker
D. Hirst	Fran Walker
Mac Ince	Josie Wall
Du Jialu	Helen Wallbridge
Liu Jiyn	Yuy Wang
Dave Johnston	Lei Wang
Jackie Jones	Carol Watson
Sairally Kaneez	James Watson
Caroline Kivimae	Robin Weldman
Declan Lagan	Dave Wendes
Michael Lang	Yong Wey
Vadims Lomouourski	Bill White
Adrian Lord	Andy Williams
Ann MacGillivray	Richard Wyatt
Jane Maddocks	Yani Xie
Jessica Manchip	Xanni Xie
Joe Manning	Robert Yorke
Travis Mason	Yueyang Zhang



The Maritime Archaeology Trust would like to extend grateful thanks to all our supporters, friends and volunteers whose help and assistance has enabled us to achieve the projects and activities outlined in this report.



ENGLISH HERITAGE



National Oceanography Centre, Southampton

UNIVERSITY OF SOUTHAMPTON AND NATURAL ENVIRONMENT RESEARCH COUNCIL



Antelope House
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Southampton Sea Cadets
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TAL Scuba
Teledyne-Reson
University of Southampton
West Wight Landscape Partnership
Wight Spirit
Williams Shipping

Maritime Archaeology Trust

The Maritime Archaeology Trust will promote interest, research and knowledge of maritime archaeology and heritage.

The Maritime Archaeology Trust Policy Statement:

- Carry out maritime archaeological surveys, investigations and research in accordance with professional and museum codes of conduct and practice, the Institute for Archaeologists and the UNESCO Convention on the Protection of Underwater Cultural Heritage.
- Promote archaeological awareness and competence.
- Promote public awareness, enjoyment, education and participation in the maritime archaeological heritage.
- Support the publication of the results of maritime archaeological investigations, surveys and research.
- Liaise with other regional, national and international organisations involved in maritime archaeology and related disciplines.
- Provide maritime archaeological services to heritage agencies, local authorities and a wide range of marine operators.
- Support regional, national and international initiatives for improvements to the legislation regarding the preservation and management of the maritime archaeological heritage.
- Ensure that maritime archaeology plays an important role in coastal planning, management and policies.

The Maritime Archaeology Trust

Company Limited by Guarantee

Registered in England - Number 2394244

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Front cover: Archaeologist inspecting the remains of the Alum Bay 2 shipwreck in June 2013 (courtesy of Rowland Brooks). *Back cover (top to bottom):* Recording the submerged mesolithic site of Bouldnor Cliff (courtesy of Rowland Brooks), disseminating maritime archaeology to the next generation, augering to recover samples of Bronze Age palaeochannels in Langstone harbour, representing the Trust at the INTERREG annual event in Rotterdam.

