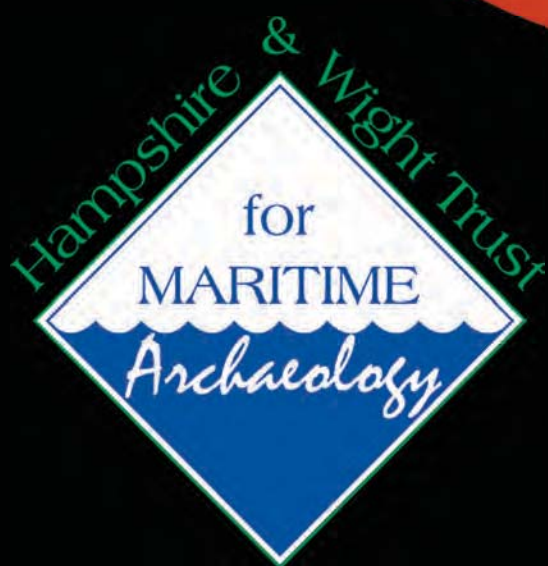


A Year in Depth

Hampshire and Wight Trust for Maritime Archaeology



2008/2009
Annual Report

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THE FRIENDS OF HWTMA are a group of people with a keen interest in their maritime heritage and a strong desire to see it preserved. Anyone is welcome to join, we offer events and activities that everyone can participate in and enjoy.

BECOMING A 'FRIEND'

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

Membership options are:

- ◆ ADULT full member £14.95
- ◆ JOINT full members £19.95
- ◆ STUDENT/OAP members £9.95
- ◆ UNDERWATER EXPLORER £7.95 (under 15)

BENEFITS OF BEING A 'FRIEND'

As a Friend you will receive:

- ◆ A membership pack
- ◆ Free unlimited admission to the Underwater Archaeology Centre
- ◆ Vouchers for free admission to the UAC for up to 6 guests
- ◆ Regular copies of our Friends' Bulletin
- ◆ A copy of our Annual Report
- ◆ A programme of talks, workshops and social events
- ◆ An invitation to attend our AGM
- ◆ Archaeological fieldwork and research opportunities

Keep up with the latest news, events and activities at www.hwtma.org.uk



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October 2008 - September 2009

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**HWTMA would like to extend grateful thanks to all our supporters, 'Friends'
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projects and activities outlined in this report**

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**All text and images in this report are produced by HWTMA staff
and Key External Personnel unless otherwise stated.**

Hampshire and Wight Trust for Maritime Archaeology
Company Limited by Guarantee
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National Oceanography Centre, Room W1/95, Empress Dock, Southampton, SO14 3ZH, Southampton.
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Below the waves lies the largest and best stocked museum in the world. The seabed in our coastal waters contains an assemblage of cultural assets that reflect British social and technical development since the last Ice Age. The resource is common to us all but is easily overlooked as, being out of sight it can often be out of mind. A main objective and one of the major successes of the HWTMA is to discover the mysteries of the deep and disseminate the information far and wide. This has been done through national and local media whose appetite for sunken historical secrets never abates. The job of the HWTMA is not only to get the message out there but also to link our heritage to the lives of local people by getting them involved with their past. In the last year we have begun a series of new initiatives using marine archaeology as a tool to help people work together and to engage them with their common past.

The success of the HWTMA outreach program has not arrived overnight but has been the result of many years of experience and dedication by its staff. The latest project has seen the building of a bespoke mobile exhibit. This has been funded by the Heritage Lottery Fund and will be travelling around the region to schools and public venues over the months to come. In the run-up to this we have set up over 20 temporary displays across the country from Hull to Torquay. Allied to the outreach has been a series of 'Find Your Talent' initiatives with community groups in Hampshire and Southampton. One such initiative involved underprivileged youths being introduced to diving while another saw groups of young people with limited opportunities being taken onboard RV *Callista*, the National Oceanography Centre research vessel, to see their city from the sea. The inclusion of school children in our education and outreach programme is of utmost importance. Our presence in schools has grown and more schools than ever now come to the Underwater Archaeology Centre at Fort Victoria. In addition, the outreach programme has included educational workshops for practitioners, funded by English Heritage and delivered by trust staff. The work of the trust has been aired on radio, television and in the press while we have produced a number of new publications including a second children's book with support of the ALSF.

Strong community and volunteer involvement has been encouraged to aid our research and investigation of shipwrecks. The *Mystery Wreck*, the *Santa Lucia* or Yarmouth Roads wreck, *HMS Pomone*, *HMS Invincible*, the *Stirling Castle* and Warship *Hazardous* are all ships that have warranted attention above and below water. Submerged landscapes are another area where the trust has pushed boundaries forward. What might be the oldest boat-building site in the world, located below Bouldnor Cliff is giving up additional evidence of substantial structures. Within the site of industrial activity are the remains of fires that still contain hazelnuts roasted over 8,000 years ago.

The impact that the HWTMA has on the lives of people it touches is often difficult to quantify. What we do know is that while tens of thousands are reached directly through exhibitions, schools visits, festivals or outreach events, millions are reached through mass media.

The Trust welcomes its new staff, project officers and key external personnel, Brandon Mason, Caroline Barrie-Smith, Gareth Owen, Chistin Heamagi, Stephen Appleby, Hillary Musker, Nazrin Wilkinson, Julian Whitewright, Vic Cooper, Dan Pascoe and Joy Verrinder. I take this opportunity to thank them along with existing staff for their hard work in making the Trust such a success. I would also like to thank Hampshire County Council, English Heritage, the Heritage Lottery Fund, Southampton City Council, the Isle of Wight Council, the University of York, the Leverhulme Trust and 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.

MALDWIN DRUMMOND

Chairman
October 2009



AIM

The Hampshire and Wight Trust for Maritime Archaeology will promote interest, research and knowledge of maritime archaeology and heritage in Great Britain with core activities concentrated in the counties of Hampshire and the Isle of Wight and the adjacent South Coast areas.

OBJECTIVES

HWTMA will:

- ◆ Promote maritime archaeological study in accordance with professional and museum codes of conduct and practice.
- ◆ Promote the *in situ* preservation and management of important archaeological sites in its area of interest.
- ◆ Support local, regional and national initiatives for improvements to the legislation regarding the preservation and management of the maritime archaeological heritage.
- ◆ Promote public awareness, enjoyment and participation in the maritime archaeological heritage.
- ◆ Provide a maritime archaeological service to Hampshire County Council, the Isle of Wight Council, Southampton City Council, Portsmouth City Council and other Local Authorities.
- ◆ Ensure that maritime archaeology plays an important role in coastal planning, management and policies in the Solent and Wight areas.
- ◆ Carry out maritime archaeological surveys and investigations for incorporation into environmental assessments and similar studies.
- ◆ Compile and maintain a database, and base chart, of all known maritime archaeological sites in the Solent and Wight areas and exchange information with local HER holders and the National Archaeological Record (Maritime Sites).
- ◆ Promote archaeological awareness and competence amongst divers.
- ◆ Support and, where possible, assist in the publication of the results of maritime archaeological investigations, surveys and research undertaken in the Solent, Wight and adjacent South Coast areas.
- ◆ Liaise with other local, regional and national organisations involved in maritime archaeology and related disciplines.

Quantifiable Deliverables, Outputs, Dissemination and Promotion

Talks, lectures, presentations and outreach events: 143



Fieldwork days: 57



Public attendance at events/activities: 19,162



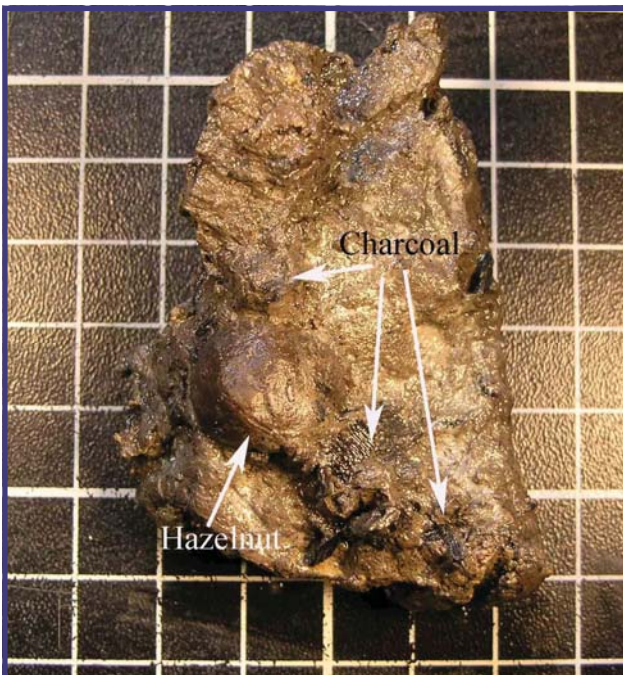
Website access: Over 800 per week



Regional, national and international media coverage and publications reaching an audience of hundreds of thousands

The first settlers

Not so long ago, before the days of border control, an influx of new immigrants arrived on what is now the British landmass from the south and east. They tracked the successful advances of flora and fauna as they laid foundations for a promising lifestyle. The movement of people over the landscape was relatively unhindered as sea levels were 30-40 metres lower than today, and northwest Europe was a dry peninsula extending to west Wales and north Scotland. The migrants were the Mesolithic people who followed a hunter-gatherer way of life.



Piece of a hazelnut embedded in charcoal recovered from c8,200 year old hearth material on the Bouldnor Cliff site.

The Mesolithic people moved into a vast land with extensive low lying plains. The new territories would have been attractive places to live but this was a period of dramatic climatic change, catastrophic flooding events and persistent sea-level rise. The lowlands were being lost to the sea and all who lived there were steadily forced back by the retreating coastline. Burgeoning communities would have been continually displaced under pressure from coastal squeeze which continued until the sea-level stabilised and the peninsula had become an island.

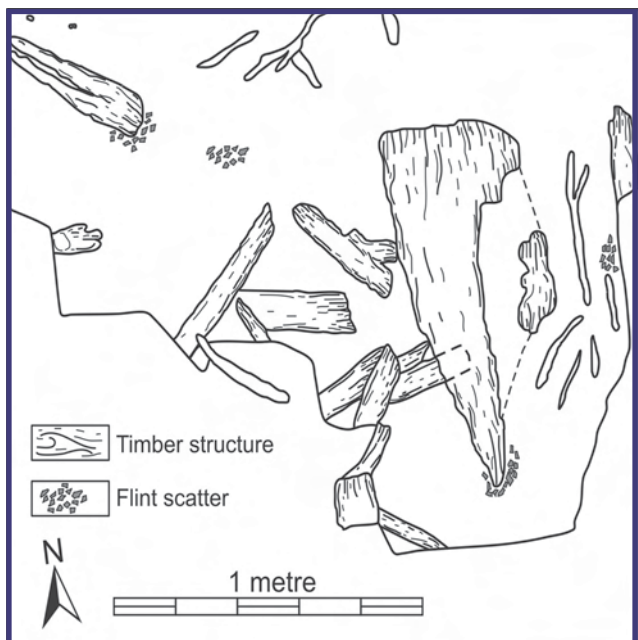
The Mesolithic period drew to a close a little over 5,000 years after it began. It appeared to peter out around 6,000 BP (before present) or put in human terms, about 200 generations ago. Despite the long period of habitation, relatively little is known of the Mesolithic settlers. The traces of occupation are thin and remains are generally restricted to lithics and

post-holes. The limited amount of data has given archaeologists little to go on when reconstructing the lives of our direct predecessors. Fortunately, access to land within the in-filled river valley at Bouldnor Cliff, is revealing a rich array of organic materials deposited when sea-levels were 10m to 12m lower than today. Hearths, flint tools, worked wood, remains of a possible log boat and twisted plant fibres are just some of the recent discoveries providing an invaluable insight into these early occupants of southern England.

Monitoring and discovery

In 2009, items of great significance were identified. The discoveries of new finds was the result of monitoring across the old land surface which is subject to degradation. The HWTMA undertakes diver inspection to identify fresh artefacts, deposits and features in the face of the on-going change. Indications that the site had altered were recorded in June 2009 when natural erosion and trawler damage was seen to have flattened and 'trimmed' the seabed.

One area inspected was BC-V which contains a submerged Mesolithic wood-processing site. Here, scour had exposed a piece of worked timber which protruded horizontally from beneath a covering of clay and peat. The freshness of original 8,000 year old cut marks on the timber was evidence of its recent exposure. In response to the discovery, the HWTMA, in conjunction with the Department of Archaeology, University of York, mobilised a team of archaeological divers and volunteers to investigate further.



Assemblage of worked Mesolithic timbers exposed within and protruding from submerged landscape at Bouldnor Cliff



*Project briefing onboard Wight Spirit
Dave Wendes, Andy Williams, Garry Momber,
Lawrence Moran, Trevor Jenkins*

From July 1st to the 3rd, the team worked from the dive charter vessel *Wight Spirit* to uncover, quantify and record the threatened timbers.

Diving inspection and discovery

Investigations at BC-V in 2007 identified it as a site of industry where wood had been worked and carbonised with heated flints. Other worked timbers were recorded within the eroding sediments including a worked peg and string. A section of timber had been discovered that was converted by hollowing out the insides in the manner that one would build a log boat. The timber was dated to



*Diver at work on Bouldnor Cliff
Photo courtesy of Andy Williams*

6370-6060 cal BC. The evidence implied it might be the oldest boat building site in the world.

Following the discoveries in 2009 the evaluation trench was extended to incorporate the location from which the timber had become exposed. Removal of the covering sediment revealed a wide array of timbers, next to and overlapping each other. Trimmed timbers measured between 8cm and 14cm wide, however, their length can only be confirmed with further excavation. The complex of timbers suggests that a Mesolithic structure may once have stood in this location. The results can be seen in the plan opposite. Twenty four pieces of wood, either recorded as worked or as part of the structure have been identified at BC-V to date.



*Derek Bridle, Garry Momber, John Chambers,
Martin Koerner, Dan Pascoe,
Andrew Yarme, Mike Pitts, Tony Robinson,
Victoria Millership, Amy Koerner,
Dave Wendes, Mags Lightbody, Tim Knight*

The timbers in this evaluation trench alone make the discovery of national importance; given that less than a hundred pieces of Mesolithic worked wood have been discovered in the whole of the UK. This represents only a small fraction of the worked timbers which have yet to be recovered from the site.

Further rescue excavation was conducted at the end of July when a piece of exposed timber was recovered with underlying soil. The old land surface contained the remnants of hearth material embedded with hazelnuts. The process was filmed by Channel 4 as part of a series, presented by Tony Robinson, looking at the impact of global warming following the last Ice Age.

Other discoveries have been left in situ and protected by sand bags until such time as funds can be raised for their recovery and preservation. If support cannot be found to recover this unique site, it will soon succumb to the relentless forces of erosion eating away at the site.

In October 2008 the HWTMA commenced a new Heritage Lottery Funded project. The goal was to ensure the survival of the archive concerning one of the most important shipwreck excavations of the post-medieval period undertaken within the UK. The project will be completed at the end of this year and is shaping up to be an exciting and accessible resource that may provide a template for the dissemination of similar archives in the future.

250 years ago...

HMS *Invincible* was wrecked in the eastern Solent in February 1758. Originally French, L'*Invincible* was built at Rochefort between 1741-4 and heralded a revolution in naval shipbuilding. With two decks, 74 guns, and a scientifically designed sleeker, deeper hull shape, it combined huge fire-power and great manoeuvrability.

Such innovation was not lost on the British who first encountered, and were kept at bay by L'*Invincible* in an action off Cuba in 1745. In 1747 it was L'*Invincible* that held the French rear guard while being engaged by most of a 14 strong British fleet off Cape Finisterre, NW Spain. L'*Invincible* was the last ship to strike its colours, and in a final act of defiance the commander, Monsignor St George, was even said to have loaded his own silverware into one of the guns and blasted his British enemies.

Following the ship's capture, the British Admiralty paid £23,738 to keep *Invincible* in service, roughly 30% more than a new ship would have cost. The hull provided the model for future builds such as the Dublin class designed by Thomas Slade, builder of Nelson's *Victory*. Known as the backbone of the British fleet, there were 87 such vessels in the navy by the time of Trafalgar in 1805, comprising more than half of all ships of the line.



Volunteers helping to create the *Invincible* digital archive



Invincible in British service, 1756
(Image courtesy of John Broomhead)

Discovery and digging

The wreck of the *Invincible* was discovered in 1979 by local fisherman Arthur Mack. Subsequently more than 12 years of excavation by a small, dedicated team led by Commander John Bingeman (rtd), revealed a wealth of magnificently preserved artefacts. These were contained in a 50m long section of the port side of the vessel, along with sections of two decks and a scattered section of the starboard bow. What the archaeology of the ship also exposed during this campaign was that the ship bore a raft of experimental features, many more than had previously been suspected.

Digital preservation

The collected knowledge that resulted from 12 years of underwater excavation and subsequent research is contained within c.10,000 individual documents, and over the past 9 months volunteers from a diverse range of backgrounds have assisted with the digitisation of this resource. From dive logs, site reports, and artefact records, approximately 90% of the paper records are now contained within a fully digital database. In addition the Trust and a volunteer team spent a week at Chatham Historic Dockyard in July in order to supplement the archive with a full photographic record of the *Invincible* artefacts held there.

To ensure the long term survival of digital records, the complete archive will be submitted to the Archaeological Data Service by the end of the year. The ADS is committed to refreshing data for archiving and compatibility which will ensure it is always freely accessible to future generations.



HWTMA photographed the Chatham collection in July, here shown during a visit by Cmdr Bingeman and his wife Jane

Able hands

Not only has the *Invincible* archive and subsequently Britain's maritime heritage as a whole benefited from this work; project participants have also given positive feedback regarding the skills they have developed and the variety of experiences they have enjoyed while working with a primary shipwreck archive. Paul Tolley, who has been one of the most dedicated participants said, "... my involvement with the project has undoubtedly reinvigorated my wider interest in and enthusiasm for history and archaeology and in Britain's maritime heritage in particular; it has been a most positive experience all round!"

As the last documents are scanned, attention is now turning to the dissemination of all this knowledge, the other key aim of this project. The raw data will shortly be submitted to the ADS, and will be accessible in the form of relational tables. A more user-friendly interface is currently being developed that will provide the ability to see the site in the context of the Solent and then zoom in down to the level of an excavation trench to view records, artefacts and images and the relationships between them as a complete assemblage.

Availability of the full archive will soon be announced on our website (www.hwtma.org.uk). For now, HWTMA would like to say a sincere thank you to all the hard working and dedicated volunteers. They have donated a total of four whole months of solid work in realising the aims of this project and without them there would still be a very long way to go. They are: Katy Bell, Katy Bird, Nick Cokes, Renata Correia, Ioanna Damanaki, Sara Hasan, Catherine Holt, Davide Morocutti, Jasmine Noble-Shelley, Dan Pollard, Duncan Robbins, Lauren Tidbury, Paul Tolley, Dean Unsworth. We would also like to thank the original project team, particularly John Bingeman and John Broomhead for their help and support. Thanks also to Victoria Barlow and the staff at Chatham Historic Dockyard for their positive response and excellent support with the photographic work.

Warship *Hazardous* stormy waters

After having to postpone the planned evaluation excavation on the site of this Designated Protected Wreck from 2008 to 2009, the team were keen to get on with the investigation in 2009. The remains of this 17th century warship, which started out as French named *Le Hazardeux*, and after capture and refit into the English navy became *Hazardous*, lie in only 6 metres of water, and can be quite badly affected by weather from the South West. This weather was, once again, to have an impact on plans for fieldwork.

The Warship Hazardous Group (308 SAA) have been investigating the site for around 30 years, with the HWTMA providing advice for the past 11 of these. This collaboration has allowed the development of projects and fundraising to enable a number of initiatives to be taken forward, with the planned excavation being the largest of these. Funding from English Heritage, the Heritage Lottery Awards for All scheme and Sussex Archaeological Society are supporting this work.

The excavation, which requires a substantial number of permissions and all the appropriate paperwork, was planned to take place over nine days in May this year. Unfortunately these dates coincided with a particularly prolonged stormy period which prevented the team mobilising as the sea state and visibility were too poor. Not to be put off by this initial set-back the dive boat, *Wight Diver*, was rescheduled and the team prepared to excavate in July. Few of us foresaw a second prolonged period of inclement weather, which once again caused the project to be postponed. The indefatigable team are now preparing to excavate in 2010!

A spate of bad weather doesn't stop progress with other aspects of work related to the site by the Project Group. Significant progress has been made with the conservation of the artefact collection, the updating of the exhibition and the development of the project website which can be found at: www.hazardousproject.info

The 'Mystery Wreck' is a currently unidentified wooden shipwreck lying in a licensed dredging area in the Eastern Solent. Diving work undertaken by the HWTMA between 2004 and 2008 has revealed a site split into two large sections, lying over 35m apart. Survey, recovered artefacts and samples are indicating a possible late 18th century or early to mid 19th century wreck. Although the site is not in a currently active dredge area, it is within the aggregate licence area 122/2 and has been provided an exclusion zone for protection. Due to the urgent need to investigate the vessel to help determine its archaeological significance and to develop sustainable long-term monitoring and management of the site, funding from the Aggregate Levy Sustainability Fund, distributed by English Heritage, has been awarded for this project for 2009-2010.

The first stage of the project reviewed all available data and artefacts recovered from the site. These were assessed against comparable shipwrecks in the area. An assessment and analysis of geophysical data, kindly facilitated by United Marine Dredging (UMD), provided information on the site and surrounding seabed, indicating a general tendency towards sediment erosion over the last ten to twelve years. Further research on the local environment and interpretation of other available datasets helped determine the principal environmental impacts on the site.

During this first stage of assessment, no definitive date for any of the timbers from the ship's structure could be determined using dendrochronology. However, the confirmation of the presence of Muntz metal means that the wreck cannot have sunk before 1832. The presence of only one large gun on the vessel indicates that this is unlikely to be a naval vessel which would have carried many more. Therefore, it was likely that the Mystery Wreck was a cargo or passenger vessel. Despite the cargo not being definitively identified, pieces of coal and regularly shaped blocks of another material had been found on the site. It was suspected that these may prove to be part of a larger cargo which was salvaged or has washed away. The identification of a possible South American wood species by Nigel Nayling may be useful in identifying an origin for its construction or any significant trade associations for the vessel. This does not mean the vessel was South American, but may help target research if documents relating to the supply of timber to ship yards, or potential repairs to vessels can be located.

The results of stage one revealed three possible candidates for the Mystery Wreck, all reported as being lost in the area of the Horse and Dean Sand:



Diver filming the western end of the Mystery Wreck

Hopewell, lost 1838: Struck heavily on the Horse Shoe during ESE violent gale and filled. Part of stores saved.

Flowers of Ugie, lost 1852: Abandoned and sank in SW force 10 winds.

Arrow, lost 1852: Drove on the Horse Sand in SSW force 11 wind and filled, stores being landed.

Of these three the *Flowers of Ugie*, demonstrated other aspects which would fit with the Mystery Wreck. The ship was an English barque built in 1838 in Sunderland. In 1851 it was refitted with felt and yellow metal (i.e. Muntz metal) and was carrying a cargo of coal to Cartagena in Spain when it was abandoned and sank due to the 'stress of weather' in 1852 while anchored near the Horse Sand.

Armed with the results of stage one, the planning for phase two fieldwork could begin in earnest. The diving investigation on the site formed the focus for the HWTMA's Eastern Solent Marine Archaeological Project for 2009. The dive team



Mystery Wreck carronade

comprised core staff and a number of volunteers and students.

The weather during June proved to be kind and a full five days of diving were undertaken, during this time the following work was achieved:

- ◆ Completion of plans of the eastern end of the structure
- ◆ Detailed survey of structure, fixtures and fastenings
- ◆ Timber assessment and sampling by Nigel Nayling (University of Lampeter)
- ◆ Recovery of diagnostic artefacts and fittings for further analysis
- ◆ Sampling of material believed to be cargo, and
- ◆ Installation of monitoring points around the site.

This newly acquired data is feeding into the post-excavation work. Initial assessments indicate that the size of the vessel remains are more consistent with those of the *Flowers of Ugie*. The length of the *Mystery Wreck* does not fit with the length or tonnage of the *Hopewell* or *Arrow*. Further research into the construction details of this vessel are needed confirm identification.

The next investigative stage will involve a variety of specialist analysis of the data gathered, including ship structure, copper fastenings, iron components, timber, pottery, and other types of artefacts, and further historical research based on the new findings. This will be used to develop a significance assessment of the site and put forward recommendations for future management and monitoring. We look forward to being able to definitively identify the wreck and to finally solve the *Mystery!*

Digging into History: The Stirling Castle

In 2008, English Heritage commissioned the HWTMA to audit and appraise the archive for the Protected Wreck Site of the *Stirling Castle*.

The ship was lost in the Great Storm of 1703. It is located towards the north-west side of the Goodwin Sands, c. 8.5 kilometres north-east off Deal, Kent.

The project involved locating, visiting and appraising site archive material including site records, surveys, images, videos and artefacts. The archive appraisal is a first step in developing plans for further analysis that will enable all the work on site to be published. Getting this information into the public domain will allow full access to all the data from this site of regional, national and international importance. This should help enhance understanding about the wreck's history, its significance and its environment. It will also enable public enjoyment of a unique, finite and non-renewable heritage asset.



*Bryan Smith diving on the Stirling Castle, in his memory
(courtesy Bob Peacock, site licensee)*

For this study, a wide range of national, regional and local bodies and organisations and several private individuals were consulted. The data gathered was managed within a MS Access database which conforms to the Archaeological Data Service (ADS) policy and guidelines for digital records (<http://ads.ahds.ac.uk/project/userinfo/>

[digitalTextArchiving.html](#)). The database provides an index to the archive which can be interrogated in the future. Where possible photographs of elements of the archive were included within the database.

The results of the archive audit ordered by type and location have shown that cross referencing, cataloguing, ordering and indexing will be required as part of the next phase of the project. This will enable a comprehensive assessment and analysis of the *Stirling Castle* archive.

Future work will also require specialist analysis of artefacts and ship structure. This work will involve comparison with other contemporary vessels to help understand the *Stirling Castle* wreck

site, the people who worked and travelled onboard, and the *Stirling Castle* as a social product of its time.

Bryan Smith

It was with great sadness that HWTMA received the news this year of Bryan Smith's death. Bryan made a major contribution to British maritime archaeology over many years. He had a long-standing and significant involvement in the *Stirling Castle* project. He will be dearly missed.

Funding through English Heritage for the Solent Marine Heritage Assets project is allowing the HWTMA to respond on a regional basis to sites which require investigation and monitoring. The project includes work on a range of sites including Designated Protected Wreck Sites, non-designated wreck sites and non-wreck sites such as submerged landscapes. Most of the sites included in the project will be subject to diving investigation, however, the project also enables funding to be used for desk-based work where HWTMA already have an archive of information on sites. The diving operations for this project will take place alongside other planned fieldwork. A total of five sites are to be investigated in the course of the project which began in 2008 and will run until 2011. The sites being investigated are: The Needles, Yarmouth Roads and *Invincible* Protected Wreck Sites and the non-designated wreck of the *Fenna*. The fifth site is yet to be decided.



*Nigel Nayling, diving dendrochronologist,
over the Needles Protected Wreck Site*

The Needles and Yarmouth Roads sites were dived in June 2009; the HWTMA is currently licensee for both of these sites. The Needles wreck site was discovered in 1969 and over 3,000 items from the site have been surveyed, excavated and recorded.

More artefacts lay scattered in the gullies around the site, many of which are from the wreck of HMS *Pomone*, a 5th rate ship which was wrecked in 1811. Other artefacts are from the wreck of *Assurance* which foundered on the Needles Rocks in 1753, and from many other vessels which have wrecked here over the centuries. Work on site this year included monitoring survey, during which video footage was collected.

A similar monitoring exercise was undertaken on the Yarmouth Roads wreck site, which was first discovered in 1984. The artefact collection, including three pewter plates recovered during excavation, dated the site to the 16th century. The ship structure revealed a thirty metre long ship, which was a large vessel for the 16th century. The sand bags which were put on site at the end of the excavation were thought to be breaking up, so the 2009 work inspected these looking for evidence of degradation and any visible timbers. The results revealed the site remains stable.

The third Protected Wreck site due to be assessed in October 2009 is that of HMS *Invincible*. The HWTMA are currently working on a Heritage Lottery funded project to digitally archive the materials from the excavation that took place from 1979, kindly made available by Commander John Bingeman, the current licensee for the site (see pages 8/9 for further background on *Invincible*).

The fourth site being investigated is the non-designated wreck of the *Fenna*, which was discovered by *Wight Spirit* skipper Dave Wendes and has been surveyed by the HWTMA. As there is an archive of data on this site, work is concentrating on desk-based research and assessment to look at the vessel and its significance. This project is building on HWTMA's work on sites in the Solent region. Working in partnership with English Heritage enables both organisations to further their aims and objectives, enhancing the management, monitoring and protection of sites.

Securing a Future for Maritime Archaeological Archives

The HWTMA has been undertaking this project to assess the situation relating to maritime archaeological archives within England and Scotland. At present there are few museums and archives which are able to accept and curate maritime material, meaning that there are a lot of archives which are held by individuals, groups, companies and organisations which don't have a long-term home. Recognising that this is a significant problem, the HWTMA are working with the Institute for Archaeologists and Archaeological Data Service to deliver the results. The project draws on the HWTMA's experience of dealing with a range of archives from the discovery of seabed

material to their deposition as artefacts and records. It has been funded by English Heritage, Historic Scotland, the Royal Commission on the Ancient and Historic Monuments of Scotland and the Society for Museum Archaeologists.

Through an on-line questionnaire, emails and phone calls a range of data were collected from across the sectors which create and hold archives. These included public museums, private exhibitions, archaeological contractors, research organisations, universities, Protected Wreck Site licensees and archaeological advisors, and individual divers and collectors.

A phased approach has been taken to analyse the results once they were collated. The first phase of work concentrated on public museums, reviewing their collection policies and areas, and asking whether they currently hold, or have been asked to hold, maritime archives. The results showed: 17% of collection polices included maritime archives, 64% of collection areas include the coastal zone, a third of museums have been asked to take maritime archives and 41% currently hold them. It also revealed a range of approaches to collection with around 20% of museums actively collecting, while the others either unable or unwilling to. The phase one report analyses the various issues in policy and practice that are influencing collection policies and puts forward recommendations to help improve the situation.

The second phase of work involved in-depth analysis of the archival resource identified in the survey. A geographical review revealed concentrations in the South West and South East of England and in two areas of Scotland – Orkney and Lochaaber, Skye & Lochaish and Argyll and the

Islands (considered together as a single region). When analysing the archives by the sector that produced them, a whole range of differences and issues were revealed. These related to access and security, storage and curation, the types of sites represented and the constituent parts of archives, to name but a few! The phase two report presents the findings and also looks at possible actions to improve the current situation.

The final phase of the project is considering the size of archives and the timescale over which they are produced. These data are being used alongside government and industry-led research to try to predict future demand for archive capacity.

The HWTMA are pleased to have used their experience with archives from the Solent and Wight area to help with this important national project. If you would like to find out more about the project details and the full project reports can be found on our website:

<http://www.hwtma.org.uk/archprojects/research/maritime-archaeological-archives/>

Project Updates

Forton Lake

The joint project between the HWTMA and the Nautical Archaeology Society (NAS) to record the many hulked vessels in and around Forton Lake, Gosport ran for three fieldwork seasons, the last of which was undertaken in 2008. Work has continued during the past year with research and analysis of the sites, the results of which are being used to produce two publications: a popular booklet and an academic monograph.



Foreshore Survey at Forton Lake

Alum Bay

The long term research on the wreck sites in Alum Bay continues. This year monitoring dives have been undertaken on both the Alum Bay I site (thought to be part of HMS *Pomone*) and the Alum Bay II site where additional timber sampling for dendrochronology was carried out by Nigel Nayling, University of Lampeter.



Underwater survey at Alum Bay

Further information about Alum Bay I is being revealed through metal analysis by Peter Northover, Department of Materials, University of Oxford, this is making a significant contribution to knowledge of naval copper at the time of the Napoleonic War.

The many years of research and investigations on these sites is being drawn together for publication, this has been supported by funding from the Marc Fitch Fund.



Archaeological Atlas of the 2 Seas

The HWTMA has recently been awarded funding for the Archaeological Atlas of the 2 Seas project, an international venture that will enhance understanding of the submerged heritage of the Channel and southern North Sea. The grant has been provided by the European Regional Development Fund (ERDF) through the INTERREG IVA 2 Seas Programme. The aim of this project is to learn more about the maritime past by discovering, researching and recording archaeology below our common waters. The collaborative fieldwork will be used to engender international co-operation while the information gathered will be accessible to all through an online database.

The project has just begun; one of the first stages will involve merging data related to underwater archaeological sites in Belgium, the United Kingdom and France in order to create a comprehensive database of the underwater archaeological landscape. Further research and data gathering will also be carried out. International co-operation is an important part of the agenda for this project and will be reflected at this stage through allowing common access to archival resources in all three countries.

The research stage will enable the project partners to determine zones of major interest for archaeological survey. Areas of interest already identified in France will be subject to a geophysical and archaeological survey conducted off the coast of Brittany in September 2009. A programme of survey and diving is being developed for 2010 and 2011 in France, Belgium and England. The fieldwork will involve students and volunteers allowing for the development of archaeological skills for sport divers and future professionals. Collaboration will also be fostered during fieldwork in all three countries involving an international team.

Results from both the research and survey phases will be fed into an open access online Geographic Information System (GIS) linked database of underwater archaeological sites of the Channel and the southern North Sea. The Atlas of the 2 Seas database will be open-source based and compatible with existing archaeological databases. The data collected during the project will also be fully accessible to update existing databases. The database will be hosted online at the project website which is currently being created and will soon be accessible at www.atlas2seas.eu. The website will be trilingual and also contain news updates about the progress of the project and a youth oriented interactive area.

The project will run from 2009 to 2012 yielding an exciting cross-border dataset that will be accessible to all. The international nature of the project will allow for expertise to be shared between the partners enabling the development of techniques in both data management and archaeological survey. The lead organisation for the project is the Association for the Development of Maritime Archaeological Research (Adramar), working with the Flemish Heritage Institute (VIOE) and the HWTMA. The project is made possible by the collaboration of the Department of Underwater and Marine Archaeological Research (Drassm) in France, and close liaison with English Heritage will ensure that it supports the national maritime research agenda in the UK.



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Red Sea Research

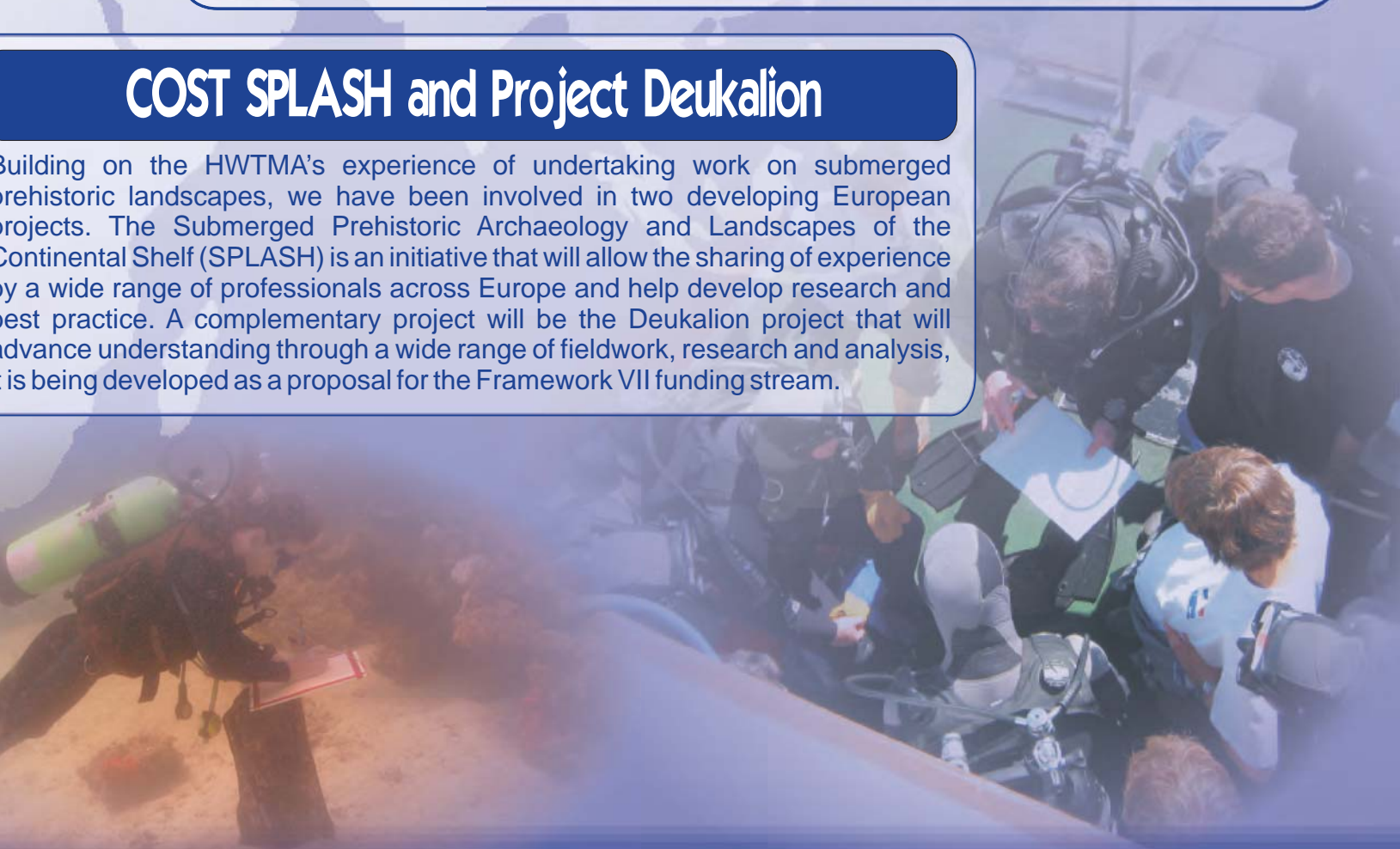
In March 2009 Julie Satchell and Jan Gillespie of the HWTMA were invited to join a project run by the University of York with funding by the Leverhulme Trust, in the Farasan Islands, off Saudi Arabia. The project objectives were to investigate evidence for coastal settlement and use of marine resources in the southern Red Sea region in the prehistoric period, to assess changes in coastal topography associated with changes in sea level, and to undertake underwater survey for archaeological evidence created at periods of lower sea level.

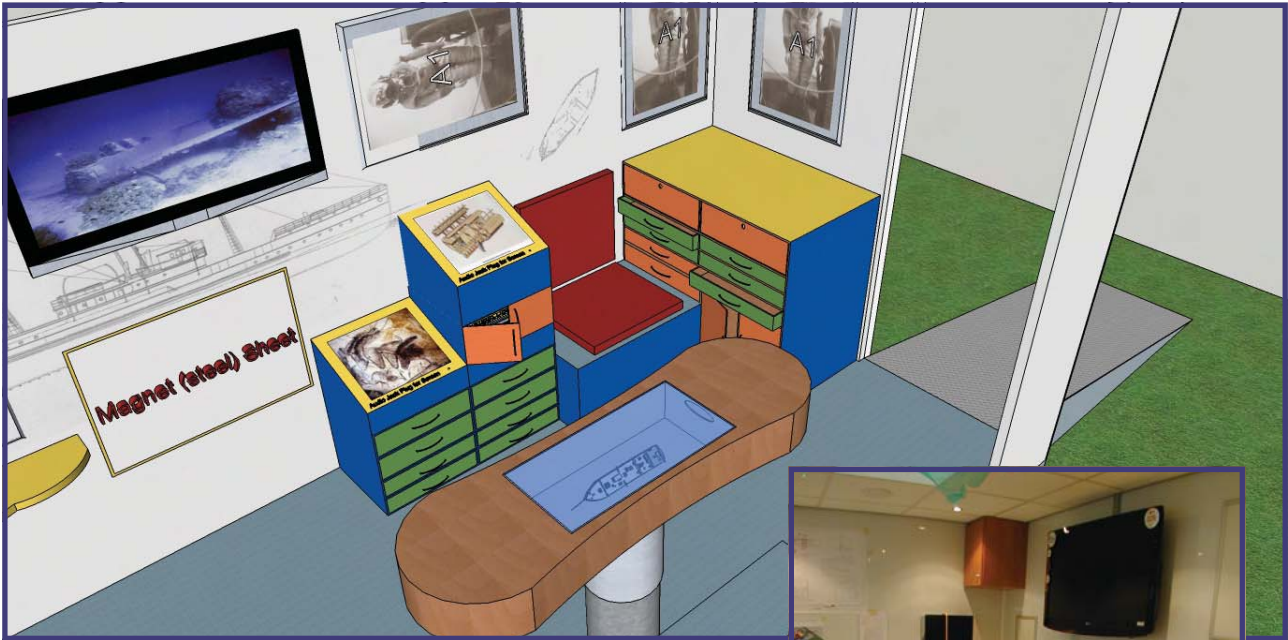
The Farasan Islands are covered with over 1,000 shell middens which can measure up to 4m high. The shells were collected as a foodstuff by the prehistoric population and were invariably sorted to leave concentrations which reflected their favoured diet. It was hoped similar signatures of human activity would be found on the seabed along the submerged coastal strip that would have been exposed when sea level was lower.

The underwater component of the work was managed by the HWTMA with a joint team from the Trust and the University of York. Several sites associated with 10m deep wave cut notches were inspected and a small cave was excavated. The cave was full of sand and shells which had become trapped as sea levels rose past it during the last transgression. A relic coral reef was exposed beneath the sand in the cave mouth and samples of shell were recovered to look for indications of human activity. The results from initial examination were inconclusive but further analysis is ongoing by the University of York and further work is pending.

COST SPLASH and Project Deukalion

Building on the HWTMA's experience of undertaking work on submerged prehistoric landscapes, we have been involved in two developing European projects. The Submerged Prehistoric Archaeology and Landscapes of the Continental Shelf (SPLASH) is an initiative that will allow the sharing of experience by a wide range of professionals across Europe and help develop research and best practice. A complementary project will be the Deukalion project that will advance understanding through a wide range of fieldwork, research and analysis, and is being developed as a proposal for the Framework VII funding stream.





HWTMA's design for inside the Community Outreach Van
Inset: the real thing during final stages of the build



HWTMA are once again, breaking new ground in the realm of maritime archaeology education and outreach with a brand new, custom designed Community Outreach Van. This facility has been made possible thanks to generous funding from the Heritage Lottery Fund (HLF).

The Trust's Education and Outreach team have been hard at work, designing the internal layout, choosing innovative and exciting equipment and facilities for the inside and working with graphic artists on a high-impact eye-catching design for the outside.

The result will be a fantastic mobile outreach facility, unique in the field of maritime archaeology.

The contents are an inspiring cocktail of the ancient and futuristic. A custom-built storage unit, holding a selection of real artefacts for visitors to examine, sits alongside interactive touch-screen computer terminals, a large LCD wall-mounted television and an audio system for playing soundtracks, oral histories and podcasts.

The height-adjustable table has been cunningly designed so that visitors of all sizes can peer down for a bird's eye view (or hovering diver's view) onto interchangeable models of ships, wrecks, planes, sunken landscapes and much more.

An extensive and varied list of places to take the van is currently being compiled and further suggestions are invited. For the latest information about where and when the van will be, please see:

<http://www.hwtma.org.uk/edout/>



HWTMA's Community Outreach Van: Coming your way!



2009 has seen the continued expansion of the range and number of education and outreach projects developed and delivered by HWTMA. Brief summaries are provided below. For further details please see the Trust website:

Developing partnerships

We've been working hard this year to develop partnerships with other organisations. This is essential for a number of reasons. Working in partnership ensures that we make the most of limited resources, for the mutual benefit of all concerned. It's also the most efficient and effective way of disseminating far and wide. This is particularly important when attempting to reach beyond our usual audiences, to groups and individuals that often experience barriers (real or perceived) to accessing their cultural heritage.

This year we've been able to develop a number of these links into working partnerships through small projects. This has included working with the Wessex Youth Offending Team, Southampton Young Carers (Southampton Voluntary Services) (see below for further information about both), Chamberlayne College of the Arts, Hampshire Learning and Children's Centres (see page 20). We hope this will continue as we constantly seek and develop new partnerships at a local, regional and national level.



Working with Chamberlayne College of the Arts

PUSH4Culture and Find Your Talent

The Government's 'cultural offer' aims to ensure that all children and young people, irrespective of background and geography, have the chance to participate in at least five hours of high quality culture a week. To turn ambition into reality the Find Your Talent programme has established ten local area pathfinders where a full range of partners will trial different ways of delivering a comprehensive offer. PUSH4Culture is the name of the pathfinder

for Urban South Hampshire, and HWTMA have been involved as one of the project's delivery partners.

In April, HWTMA worked with the Wessex Youth Offending Team (WYOT) by delivering a two-day programme for young people. The young offenders were attempting to turn their lives around, with help and guidance from WYOT staff. The pilot project involved a couple of try-dives, a visit to a local museum and an introduction to maritime archaeology.

Eight young people, between the ages of 13 and 18 were involved with the project, none of them had dived before and all coped admirably with the tasks. Everybody enjoyed the diving and some showed particular aptitude for tasks such as drawing under water. The WYOT lead commented: *"It was a successful project and the young people enjoyed it"*. Since completion of this project, we have worked again with WYOT who were able to take advantage of one of our recent Exploring Beneath the Solent Waves *Callista* trips (see page 19).

Following the success of this project, HWTMA have been awarded a second grant to deliver another project, this time working with Southampton Young Carers (see below).

Southampton's maritime history through the eyes of young people

This autumn HWTMA will work closely with Southampton Voluntary Services and a group of Young Carers. Through funding from Find Your Talent, PUSH4Culture, we have the great opportunity to spend a couple of days looking at maritime Southampton from different viewpoints. The first event is a trip out on the NOC research vessel *Callista* where we will be travelling along the waterfront to look at the city from the water. After this we will focus on looking at the historic city walls, the dock and the maritime connections in the city. The young participants will take pictures and video their experiences and thereafter produce a short movie and postcards that will be professionally printed. The video will later be shown at a family event. HWTMA is looking forward to working with the Young Carers and their families.

After-School Club Pilot

After-school clubs are becoming increasingly popular and HWTMA are looking at ways of taking maritime archaeology to young people through the medium of after-school clubs. This year saw a pilot project in an infant school which proved extremely popular with participating children and their parents. Sessions included looking at archaeological artefacts (comparing them to their present-day equivalents), deciding what is and what isn't

archaeology, trying on SCUBA diving equipment, excavating artefacts from a sand-tray, field-walking on the beach then drawing and photographing their finds. The final club session was an opportunity to 'show and tell' relatives what they'd been up to, including a short film of their adventures. Despite clashing with the football club, the maritime archaeology after school club proved particularly popular with boys. Friends and family were able to keep up with the group's activities and view photos and video clips online via a blog. The club was heavily over-subscribed, and it is hoped that more will run in the future. HWTMA would like to thank the staff and children of Netley Abbey Infant School.

Exploring Beneath the Solent Waves

Thanks to funding from the Drapers Charitable Fund, HWTMA and the National Oceanography Centre (NOC) have had the chance to work together to teach Key Stage 3 pupils about science, biology and archaeology. The pupils took part in three-hour long sessions onboard the NOC's research vessel *Callista* where they tried activities like sea-floor sampling, studying sea creatures and learning to understand ancient navigation methods. The feedback from these workshops has been very positive and another "Explore Oceanography and Archaeology" trip will take place in October 2009.

NOC Science Day

As in previous years HWTMA took part in the very popular Ocean and Earth Day at the National Oceanography Centre. This year over 2500 people attended the free event where the public can find out about life in the seas, the effect on oceans of climate change as well as amazing technology that is used to explore the deepest seas. HWTMA was



NOC Science Day: HWTMA, busy as usual!

there to show how archaeology is linked to the oceans and how maritime archaeologists work. At our stand you could learn how to tie knots, try on real diving equipment and excavate artefacts, some of which were 1000s of years old.

Unmanned Underwater Vehicle Showcase

HWTMA were one of 33 exhibitors at the Unmanned Underwater Vehicle Showcase 2009 (UUV) at the National Oceanography Centre, Southampton in September 2009. Although surrounded by some of the greatest maritime engineering masters in Europe HWTMA's mini ROVs got everyone's attention. They were the only working exhibits at the showcase and featured in the front page article in 'Hydro International'.

The HWTMA were warmly welcomed by delegates and exhibitors alike and made many contacts for possible future projects and partnerships.

The Education Show – Birmingham

HWTMA was once again, the only maritime heritage organisation exhibiting at the 2009 Education Show in Birmingham. Thanks to funding from English Heritage and the ALSF, the HWTMA's work was disseminated to over 15,000 private, state and independent educators over three days. The team demonstrated some of their new teaching tools, distributed ALSF funded resources and HWTMA publications, and gave away thousands of copies of the ever popular maritime-line poster.



*Smile for the camera!
Southampton Echo came to record one of the Exploring Beneath the Solent Waves sessions*



Forests, country parks and historic farms are just some of the places HWTMA have been delivering action-packed family learning days this summer.



Family learning at Manor Farm

With the emphasis on fun, a range of stimulating hands-on activities help people of all ages and

backgrounds understand ancient technologies, environments and sites and how maritime archaeology has shed light on them.

At Itchen Valley Country Park, Southampton, families learnt about knots and cordage and handled 200-year-old ropes recovered from the HMS *Invincible* (see pages 8/9). The 8,000 year old 'string' recovered from Bouldnor Cliff formed the focus of a nettle-jewellery making activity. A short woodland walk gave an opportunity to talk about wooden shipbuilding and a wetland visit enabled exploration of ideas such as bog bodies and organic preservation.

Manor Farm Country Park, Bursledon was the setting for an action-packed day with a Dads' breakfast club. This included a riverside walk through ancient woodland learning about shipbuilding and shipwrecks. A miniature-boat building activity followed, resulting in a fine fleet of clay-built Viking ships, cogs, coracles and even some cannonballs!

Feedback from these events have been extremely positive, one eight year old boy who, on hearing that it was time to leave after 5 hours of activities, exclaimed: "But we've only been here for an hour!"

Bouldnor Cliff Outreach

This year, the HWTMA were delighted to participate in a new temporary exhibition developed by Hampshire Museums Service at City Space in the Winchester Discovery Centre.

Visitors were invited to journey through the Stone Age. The HWTMA presented work on the fascinating submerged Mesolithic site at Bouldnor Cliff (see pages 6/7), including the story of the site and the maritime archaeological work being undertaken there.

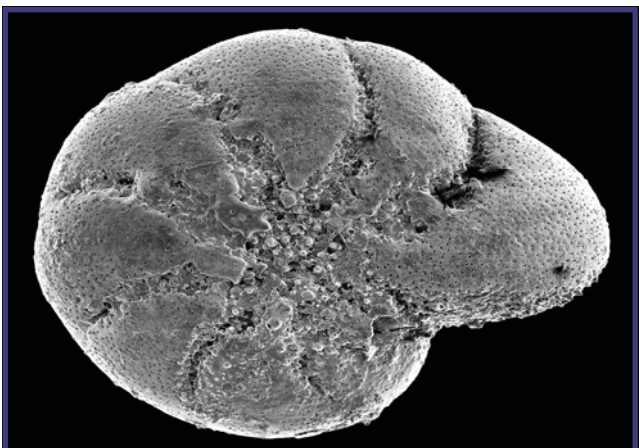


Information panel graphic: "Collecting Hazel nut"
© Winchester City Council Museums

Brand new display panels were commissioned for the exhibition and an innovative comic-strip style was chosen, making them highly noticeable, engaging and accessible.

A number of finds from the site were on display, including: roasted hazel nut shells, worked flint, sediment samples showing foraminifera and environmental samples showing catkins.

A particularly popular aspect of HWTMA's exhibition were A3-sized 3-dimensional images of foraminifera (forams). The shells of these microscopic shelled organisms are found in the environmental samples collected from archaeological sites. They can measure one tenth of a millimetre across, and provide valuable information about past environmental conditions.



SEM image of Foraminifera

When viewed through 3D glasses, the 3D images seem to jump off the page.



Gareth Owen as a Stone Age Man

Visitors were fascinated by the detail and few could resist the temptation of attempting to touch the 3-dimensional forams.

Each week the HWTMA Access and Outreach Officer attended the exhibition dressed in Stone Age costume (on loan from Salisbury Museum) and demonstrated Mesolithic crafts and skills.

Visitors of all ages were able to see Gareth using worked flints (drilling holes in shells and working wood), constructing flint-tipped arrows and nettle string and producing cave art using ochre. Visitors were also able to get a close look at the costume

and handle a range of material that would have been used during the Mesolithic period, such as deer-antler, cow-horn, leather and fur skins.



Mini ROV

The exhibition attracted great interest

and plans are afoot to take it elsewhere in the county.

Skulls and Robots

The Trust's exciting new Heritage Lottery funded project 'Engaging New Audiences' (ENA), as the name suggests, aims to reach new audiences who traditionally do not access heritage resources and facilities. As part of this project, the Trust has been piloting new ways of inspiring and engaging people of all ages and backgrounds.

Among the most popular of our new hands-on activities are those involving facial reconstruction and mini-ROVs (Remotely Operated Vehicles). The ROV pilots' challenge encourages participants to navigate their mini-ROV through a short underwater course or (with thanks to Southampton University's National Oceanography Centre for the loan of their mini-ROV units) steering a mini-ROV to retrieve pennies from the bottom of a tank.

The facial-reconstruction activity uses fish-tank skulls and play dough. People construct a face, building up muscles, flesh, skin, facial features, hair and sometimes more unusual appendages!

See some of the results at:

<http://www.hwtma.org.uk/edout/ena/faces/>.

The activities are accompanied by information sheets about the relevance of ROVs and facial reconstruction to archaeology. These two new activities, amongst many others, have proved extremely popular with families who often choose to work together (both supportively and competitively!). In the first nine months of the ENA project, over 660 people have had a go at a facial reconstruction and over 250 at the ROV pilots' challenge!



Facial reconstruction in action

Following the success of HWTMA's Educators' workshops in 2007/8, English Heritage, through the Aggregate Levy Sustainability Fund (ALSF), funded two further two-day residential workshops in 2009.



Workshop session: event planning

The Educators' workshop was attended by people who deliver or intend to deliver events and activities with a heritage, archaeology and maritime element. The second workshop was aimed at postgraduate students with an interest in maritime archaeology and education.

Both workshops looked at maritime archaeology and possibilities and potential in an education and outreach context. Workshop sessions covered practical aspects such as funding, risk assessment, evaluation and event planning as well as a whole host of practical ideas for education and outreach activities and resources.

Participants came from museums, heritage organisations and Young Archaeologists Clubs (YACs) all over the country. Many were unfamiliar with maritime archaeology but left the workshop

determined to incorporate it into future events and activities.

The workshops were a fantastic opportunity to exchange ideas and share best practice and, of course, an invaluable networking opportunity.

The workshop for postgraduate students highlighted the essential nature of education and outreach in relation to archaeology. It emphasised the diversity of potential audiences and the importance of tailoring appropriate sessions to their needs.

As a result of the postgraduate workshop HWTMA have been in discussions with the Centre for Maritime Archaeology at the University of Southampton. Next year the Trust will be delivering lectures on the significance and practical considerations of archaeological education and outreach as part of Southampton's masters course in Maritime Archaeology.



Looking at the education and outreach potential of a foreshore hulk

Record numbers at the Underwater Archaeology Centre

Thanks to the hard work of staff and volunteers the Underwater Archaeology Centre (UAC) was open in time for the first visitors of the season.

The upward trend in the number of school visits has continued in 2009 with numbers up by 83.3% from 2008! Half of these visits were from schools that had visited previously, which is a great indication that schools are enjoying their experience with us.

This year more hands-on activities and sensory learning aids were incorporated into school sessions. These have been well received and will be

developed over the 2010 season for use by schools and general visitors.



Pre-season refit: two of the Trust's younger volunteers prepare a working breakfast for volunteers and staff.

New *Invincible* Exhibit

This year saw the unveiling of a new exhibit at the UAC in the form of a display case showcasing some of the amazing artefacts from the mid-eighteenth century wreck of HMS *Invincible* (see pages 8/9). The fantastically preserved finds now on display at the UAC include a leather fire-bucket, beautifully crafted leather shoes and an officer's writing set which still contains ink and blotting sand.



Invincible exhibit at UAC

Summer Activity Days

Continuing on from previous years the HWTMA hosted *Summer Activity Thursdays at the UAC*

throughout August. From facial reconstructions, mini ROV obstacle courses, making wrecks in boxes and a visit from a 'Stone Age Man', all events were a great success, attracting holiday makers and locals alike.

Awards for All

HWTMA were successful this year in securing a Heritage Lottery Fund Awards for All grant. Part of this project will enable development of the history of Fort Victoria display. A busy winter of research and interpretation lies ahead in preparation for this exciting new refit.

Underwater Archaeology Centre	2008	2009
Schools visiting	12	22
School sessions conducted	25	36
Students taught	653	911
UAC Visitor Numbers (to Sept 20th)		6,183

Stepping up HWTMA Special Educational Needs provision

Making Every Child Matter

Partly inspired by the government's 'Every Child Matters' policy and with our 'Engaging New Audiences' project in mind, we have been developing our learning strategy. Our aim is to make it more accessible and inclusive with less segregation of learner groups.

This year we have developed more activities which encourage learning using all the senses. Our education and outreach 'toolkit' now includes talking tins, smell boxes, a talking photo album, facial reconstruction kits, mini ROVs, 3D images, flip video recorders, large ropes for knotting and bush-craft materials.

By bringing in more sensory teaching-aids we hope to make learning more accessible and less intimidating to a diverse range of audiences. This includes those new to maritime archaeology, regardless of learning ability or background.

Accessible communication

The Education & Outreach team have recently undertaken some Makaton sign-language training. Makaton is an internationally recognised communication programme, used in more than 40 countries worldwide. It is useful not only for the hard-of-hearing but also other specialized communication needs, including communication

with individuals for whom English is a second language. In addition, thanks to Estelle Baker, Isle of Wight Heritage Education Officer, the HWTMA now have the "Communicate In Print" package. This is a symbol-supported desktop publishing package for creating worksheets, newsletters and posters. We are looking forward to using this package to develop resources for use at the UAC and in our Community Outreach Van.

Gadgets and gizmos

The Trust's new multi-sensory resources include:

Talking tins: these are digital recording and playback devices, that can store 10-30 seconds of sound that can be played back with the press of a button. They can be attached to places or objects and the visitor can listen to a description or any other recorded message or sound.

Talking photo album: a message or sound can be recorded and played back to accompany each page of the photo album.

SmellyBoxes: on special days at the UAC Smellyboxes will be placed in key locations around the museum releasing atmospheric smells such as oak, coal and Man-of-War.

As in previous years, 2009 saw the HWTMA host a number of work experience placements from schools and universities around the country.

A work experience placement, whether for a few days or a few months, is a valuable part of formal and continuing education and can help shape careers. We work hard to provide a placement that offers a broad understanding and awareness of the work involved in maritime archaeology.

While work placements do not always coincide with fieldwork projects, we strive to ensure that people undertaking work experience with us, have the opportunity to participate in a range of different work. This could involve anything from foreshore survey to lab work and research to outreach.

Applicants are usually invited to attend an informal interview. This is an opportunity to discuss interests, experience (though this isn't a pre-requisite) and what the Trust and individual are able to offer each other. Each placement is evaluated by comparing aims and aspirations before and after the placement. In this way, the Trust aims to adapt and continually improve the opportunities we offer.

Duncan Robins, an Archaeology undergraduate at Nottingham University writes about one of the activities he was involved with during his work placement with the Trust:

'On the 17th August 2009, I went with HWTMA Project Officers to Warsash on the Hamble to conduct a survey of a wreck present on the shore. A survey had been conducted previously on the 5th March 2001 which had concluded the wreck to be of a fishing boat specialising in crabs and lobsters. These vessels were adapted with a 'wet hold' in the centre of the vessel which would fill with water through holes in the hull and would help keep the catch alive and fresh.

The aim of the survey was to assess whether the wreck was under any threat that might require further action. It was also a chance to monitor any changes to the wreck since it was last surveyed and to generally analyse the stability of the site. As I was on placement it was deemed this was a great opportunity to train me in the methods of surveying. I helped set up the base line and learned about using offset measurements and about the elements of a wooden boat and construction techniques. Comparing our survey with 2001 the wreck seems more covered with sediment however, and relatively undisturbed.

The difficulties of working outside were soon evident to me, especially in very muddy conditions. According to local residents there were reports of people removing parts of the wreck whilst digging



Warsash Hulk Survey

for live bait, which should be taken into account and possibly investigated further.

We managed to survey half of the boat in a single afternoon. Comparison between the new and previous surveys shows that the wreck doesn't seem under any significant immediate threat from erosion. Additional work on this site is likely to result in further details about this type of craft and the vessel's history. It would make an ideal project for an enthusiastic volunteer!

Duncan Robins (Work Placement student)

The Trust gains valuable project assistance from students interested in the work we do, while offering a realistic and varied placement. You can find out more about our work placements via the work experience students' blogs, at:

<http://hwtmaworkexperience.blogspot.com/>.

Valuable Volunteers

Volunteers have been central to the work of the Trust since its very early days. As with work placements, we are keen to ensure we offer a quality volunteering opportunity, in return for the time and energy that people generously offer as volunteers.

This year we have been compiling a catalogue of diverse mini-project ideas that could be undertaken by volunteers. This includes fieldwork, office and home-based projects, research, resource development and outreach work.

Our Access and Outreach Officer, who has responsibility for volunteers, will shortly be attending some training on recruitment and management of volunteers, so we can ensure we are keeping up with the latest advice, guidance and best practices.

HWTMA would like to extend a huge 'thank you' to all those who have volunteered with us over the past year, your contribution is highly valued.

A Teenage Volunteer's View

Alex Pope, Trust volunteer, gives us an insight into his work with the Trust:

'I first met HWTMA in 2007, when my branch of the Young Archaeologists Club, in Southampton, went out with the HWTMA Education and Outreach team for a "Walk along the Hamble River". It was one of the highlights of the year – suddenly those bits of wood sticking out the mud fitted together in my mind like a jigsaw puzzle. The idea of all those bugs eating away at the wood was fascinating too.

At that time, the Trust was looking to set up the *Dive In 2008* project for young archaeologists and other candidates to join up. I applied and ended up being selected. It was a fantastic project – absolutely brilliant. I now hope to take a degree course in archaeology and know that the qualifications I got from Young Roots will help. I just need to get the right GCSE results and spend the next two years doing A levels!

From Young Roots, I learned a lot about teamwork. I think that is the main reason I am happy to go back and help out – there are always old friends to catch up with and new ones to make. I've been with HWTMA at Fort Cumberland, possibly one of the windiest places on the South Coast, where I was almost happy to greet visitors to the Trust stand with my face painted as a clown. I also spent some time

at Bargate, possibly the least sunny place in Southampton, although the children's excitement at finding bits of archaeology in the sand box made it worthwhile.

Then there was the open day at the NOC, making facial reconstructions with clay – it was rather mucky but really fun. This summer, I went out on the *Callista*, where I was involved in photographing younger teenagers taking part in the activities - and getting the necessary release forms signed by parents. As it was a bit rough out there, I was glad I took the anti seasick pill first.



Alex Pope preparing to dive

Being a volunteer for the Trust always has an element of the unknown about it. But one thing is for sure - it will always be a great day. The work that the Trust does is really important and I'm happy to help.'

Alex Pope (Trust Volunteer)

HWTMA 'Friends' in Action

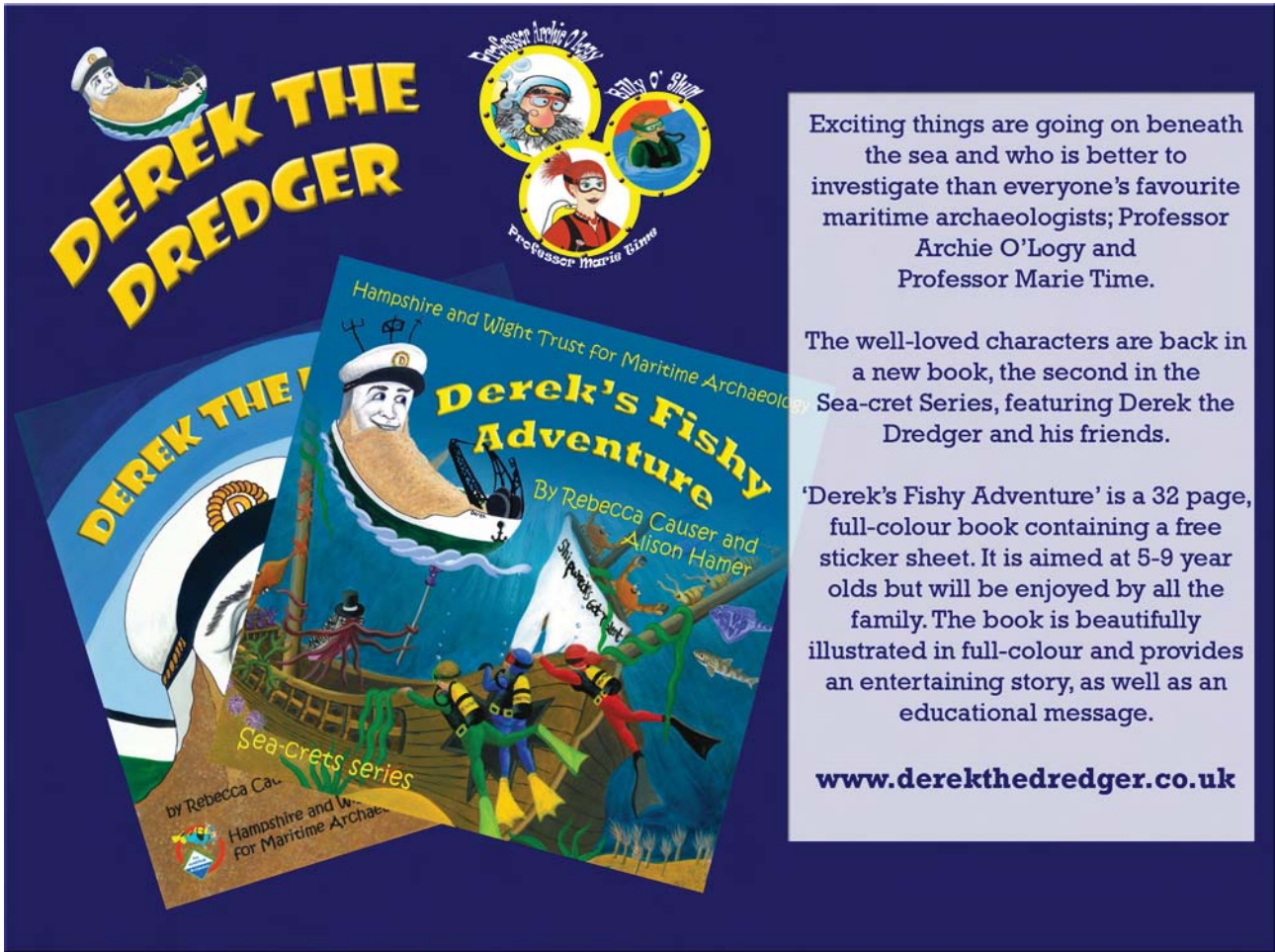
The Friends of the HWTMA project 'Forgotten Foreshore Features' funded by Awards for All, was aimed at recording heritage features and associated structures around the upper reaches of Portsmouth Harbour. This gave Friends and the local community a chance to learn skills such as recording and researching hulks. To complement on-site training, workshops were delivered such as the Nautical Archaeology Society (NAS) Introduction Course and oral history workshops. Hulks were recorded at Forton Lake, Portchester Lake and Fareham Creek.

The project culminated in a heritage training day in which participants visited Fort Nelson, Portsmouth and took a tour of the fascinating fort, learning about the Royal Armouries' artillery collection which includes many guns from historic naval ships such as the *Royal George* which sank at Spithead in 1782. A live-firing of a second world war 25 pounder field gun took place and a re-enactment of a shipwrecked mariner was staged. A fascinating talk on old Castle Street given by John Towse of the

Portchester Society was followed by a visit to Portchester Castle. The Friends learnt about the multi-period castle and how important its waterside location was. The end of the project was marked by an excellent BBQ to thank those who had participated in the project.



HWTMA 'Friends' working on the Foreshore



Exciting things are going on beneath the sea and who is better to investigate than everyone's favourite maritime archaeologists; Professor Archie O'Logy and Professor Marie Time.

The well-loved characters are back in a new book, the second in the Sea-cret Series, featuring Derek the Dredger and his friends.

'Derek's Fishy Adventure' is a 32 page, full-colour book containing a free sticker sheet. It is aimed at 5-9 year olds but will be enjoyed by all the family. The book is beautifully illustrated in full-colour and provides an entertaining story, as well as an educational message.

www.derekthedredger.co.uk

Derek the Dredger II is published!

Following the success of HWTMA's **Derek the Dredger and the Underwater Archaeologists**, the eagerly awaited sequel **Derek's Fishy Adventure** was published this year.

Exciting things are going on beneath the sea and who better to investigate than everyone's favourite maritime archaeologists; Professor Archie O'Logy and Professor Marie Time. The well-loved characters are back in a new book, the second in the Sea-cret Series featuring Derek the Dredger and his friends. This time the Professors meet a host of interesting creatures who live in sand and gravel environments beneath the sea, they witness the 'Shipwreck's Got Talent' show and enjoy underwater festivities. Just around the corner, however, lurks the sinister Dicky Pickle who threatens to ruin the party!

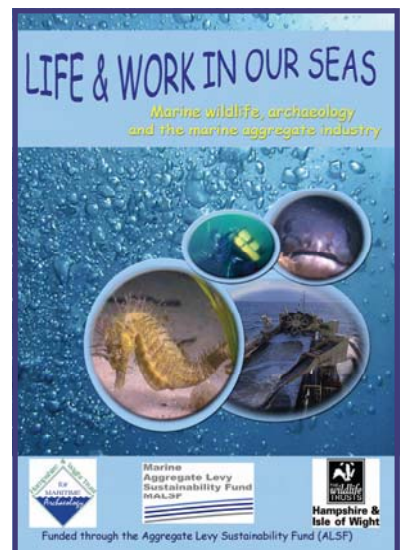
Derek's Fishy Adventure is a 32 page, full-colour book containing a free sticker sheet. It is aimed at 5-9 year olds but will be enjoyed by all the family. The book is beautifully illustrated in full-colour and provides an entertaining story, as well as an educational message. Its production has been generously funded through the Defra's Aggregate Levy Sustainability Fund, distributed by the Marine

Environment Protection Fund. Both Derek books can be purchased from www.hwtma.org.uk

New marine wildlife focused booklet!

Earlier this year HWTMA produced an informative and fun booklet with the focus on marine wildlife, archaeology and the aggregate industry. This was done in partnership with the Hampshire and Isle of Wight Wildlife Trust.

'Life and Work in Our Seas' was produced as a part of a Marine Aggregate Levy Sustainability Fund (MALSF) funded project that focused on marine wildlife, marine archaeology and the marine aggregate industry and how these industries work together.



This project was an extension of a previous successful HWTMA run, ALSF funded project that gave educators and young people an understanding of the relationship between maritime archaeology and marine aggregate dredging.

'Life and Work in Our Seas' summaries how three very different aspects of the marine environment are closely linked. The booklet also contains games and activities for families and school classes and brief notes for educators. The most popular games to date seem to be the TopSlugs card game and the activity that enables you to decorate your own dredge head!

Project reports, papers and monographs

Other publications in the past year have included a number of project reports, such as *Securing a Future for Maritime Archaeological Archives*, *Mystery Wreck Eastern Solent: Desk Based Assessment* and *Stirling Castle: Archive Audit Summary Report*. Further dissemination of the work of the HWTMA has been achieved through a series of papers in edited conference proceedings such as those produced from the underwater session at the

European Association of Archaeologists 13th Annual Meeting and the proceedings of the 7th International conference on The Mesolithic in Europe. A number of journal articles have also appeared in international series' which feature a range of Trust projects.

We are also pleased that a monograph presenting the work at Bouldnor Cliff undertaken between 1998 and 2007 will be published in 2010. This will be the first major publication from the site where further exposures of Mesolithic occupation evidence are demonstrating the significance of the site.

These academic reports are complemented by a range of newsletter articles and popular publications which aim to ensure the results of our work are available for the widest possible audience. The levels of publicity in newspapers, on the TV and radio have increased and are ensuring that maritime heritage is promoted and enjoyed by as many people as possible.

Many of the HWTMA project reports are available to download from our website.

Spreading the word

Out and About

The HWTMA has been promoting maritime archaeology all over the country this year. In addition to visits and talks to schools, clubs, societies, community groups, scouts and brownies, you may have seen us at one or more of the following venues and events:

- ◆ National Oceanography Centre, Southampton (page 19)
- ◆ Education Show, Birmingham (page 19)
- ◆ Hidden Worlds Beneath the Waves Conference - Hull
- ◆ IFA Conference, Torquay
- ◆ GEM Conference, Birmingham
- ◆ Underwater Archaeology Centre, Yarmouth
- ◆ Southsea Castle, Portsmouth
- ◆ Stourhead, National Trust, Wiltshire
- ◆ Hamble River Festival, Hampshire
- ◆ Festival of British Archaeology, Portsmouth
- ◆ Maritime Heritage Day, Chamberlayne College of the Arts
- ◆ Corfe Castle, National Trust, Dorset
- ◆ Kingston Lacy, National Trust, Dorset
- ◆ Lepe Country Park, Hampshire
- ◆ Winchester Discovery Centre (page 20/21)
- ◆ Eastleigh Museum
- ◆ Cascades Shopping Centre, Portsmouth
- ◆ UUV Showcase, Southampton (page 19)

- ◆ Classic Boat Museum, Cowes, Isle of Wight
- ◆ Gaffers' Festival, Yarmouth, Isle of Wight
- ◆ Serle's House, Winchester (page 28)

Website

HWTMA's new-look website was launched last year and is proving to be as popular as ever with an average of over 800 visits per week. Our new website statistics packages allows us to access detailed information about who is visiting our website, when, from where and which pages they are exploring. From this we can see 'spikes' of activity on the website such as one day when we had over 650 visits!



You Tube updates of HWTMA projects

Interested parties were able to keep up with the latest news and see project teams at work this summer via HWTMA's new-look website. Short films were compiled showing the previous day's events and progress. They were uploaded daily to You Tube and embedded within HWTMA's project and news webpages. During the course of this year, HWTMA clips on You Tube have been viewed over 1,000 times. Watch out for more next year.

Evening reception at Serle's House

In February, Dame Mary Fagan, Lord Lieutenant of Hampshire and President of the HWTMA, held an evening reception to raise awareness of the Trust's work. Distinguished guests including Hampshire County Councillors, senior staff and local dignitaries, were invited to Serle's House in Winchester to meet HWTMA staff and learn more about our Archaeological Research and Education and Outreach programmes. Fast-paced presentations highlighted the Trust's recent work and ambitions for the future. Guests were encouraged to handle and ask questions about selected maritime artefacts that were on display for the evening. The event was a great success and we would like to thank Dame Fagan and her staff for their generous hospitality.

Representation

The HWTMA have been represented on the following committees and groups: the Standing Conference on Problems Associated with the Coastline (SCOPAC), Mesolithic Research Framework, the Solent Forum, the Institute of Field Archaeologists Executive Committee and Maritime Affairs Group, the Joint Nautical Archaeology Policy Committee, Nautical Archaeology Society Education Working Group, the Solent European Marine Sites Strategic Advisory Group, the Council for British Archaeology Wessex Region Committee, Society of Underwater Technology Diving and Manned Submersibles and Underwater Science Group Committees, the Scientific Diving Supervisory Committee, Chichester Harbour Archaeology Partnership, Poole Harbour Heritage Project, the Hamble Estuary Management Plan Implementation Forum, the Isle of Wight Maritime Heritage Partnership, the Southampton Heritage Federation, Severn Estuary Levels Research Committee, Hampshire County Council Compact, Dorset Coast Forum, SHAPe Education Working Group, Jubilee Trust, The Project Deukalion Drafting Group, The SHAPe Executive Group, Fort Victoria Association, English Heritage Advisory Committee, EPE Learning Advisory Committee, New Forest Educators' Forum, Archaeological Archives Forum, Maritime Archaeology Research Framework and the European SPLASH Management Committee.

Publicity

The HWTMA has featured in the following programmes and publications:

- ◆ National Geographic documentary
- ◆ Radio Scotland
- ◆ BBC Radio 4
- ◆ BBC Radio Solent
- ◆ Daily Telegraph
- ◆ Daily Mail
- ◆ Southern Daily Echo
- ◆ County Press
- ◆ Portsmouth News
- ◆ Isle of Wight County Press
- ◆ CBA Wessex News
- ◆ British Archaeology
- ◆ Hydro International

Staff Changes

We've said a number of sad farewells this year, to staff that have moved on to pastures new.

Alison Hamer, Education Officer, left at the beginning of the year, to join English Heritage's maritime team. Alison, along with former colleague Rebecca Causer, worked tirelessly for four years developing a ground-breaking maritime archaeology education and outreach programme and inspiring thousands with her endless enthusiasm and energy.



Jan Gillespie has worked relentlessly as a Project Officer for the trust for over 7 years, she has been highly involved with the Bouldnor Cliff project in addition to our other field work. We wish Jan a 'Bon Voyage' as she has set off to sail the Atlantic for a year.

We also sadly said goodbye to Brian Hession, who returned to Ireland with his family. Nicola Goodwyn who has moved just across the road, to work with ABP Mer, Stephen Appleby and one of our sub-contractors Mark James.

On a happier note, we welcome Brandon Mason (*Invincible* Archive Project Officer), Caroline Barrie-Smith (Education Officer), Gareth Owen (Access and Outreach Officer), Christin Heamagi (Project Officer), Hilary Masker (Assistant Administrator) and Nazrin Wilkinson (Publicity). We have also benefited from contributions from external contractors including: Julian Whitewright, Vic Cooper, Dan Pascoe and Joy Verrinder. A final thank you must go to Alison Hamer and Rebecca Causer who continue to help the Trust with work on publications.

We need YOU to help us preserve YOUR maritime heritage

As a charity we rely on donations from charitable trusts, companies and individuals. These enable us to continue our valuable research, education and outreach work. With your help we can achieve our aims of preserving and promoting our maritime heritage.



Donations in 2008/9 enabled us to spread the word about maritime archaeology to people of all ages. Without this generosity we would not have been able to:

- ◆ Develop our Community Outreach Van (page 16/17)
- ◆ Run Archaeology & Science workshops to inspire young people (page 19)
- ◆ Continue research projects on shipwrecks and submerged landscapes (pages 8-13)
- ◆ Disseminate information through popular booklets, academic publications and making archives accessible.

We continue to seek more funds to ensure that we succeed in preserving our fascinating but fragile maritime past and to engage communities with their local cultural heritage. During 2009/2010 we are particularly looking for support for:

- ◆ Investigating the prehistoric submerged landscape of Bouldnor Cliff (pages 6/7)
- ◆ Conserving artefacts recovered from fieldwork
- ◆ Expansion of our Education & Outreach programme
- ◆ Refurbishment of our exhibitions at the Underwater Archaeology Centre
- ◆ Publication of the results of the HWTMA's ground-breaking research and discoveries

Please see our website for details of other projects that need your support.



TRUSTS AND FOUNDATIONS

The funding we receive from charitable trusts and foundations makes an enormous difference to both our core work and specific projects. If you are a trustee or a foundation administrator and would like to discover more about our work, please do get in touch.



CORPORATE SPONSORSHIP

We have a number of sponsorship opportunities available for both local and national businesses. By sponsoring one of our projects, not only will you be helping to preserve your maritime heritage, but you will benefit through the wide publicity gained by the Trust. Our work has recently featured on national and international media (see Publicity, page 28).

IN KIND DONATIONS

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 2008-9 (see Assistance

in Kind and Services inside front cover). If you think you may be able to help us with donations of equipment of any kind, please do get in touch.

VOLUNTEER WORK

For further information please see page 24/25 of this report, the 'Getting Involved' section of our website or contact Gareth Owen at gareth.owen@hwtma.org.uk.

JOINING HWTMA FRIENDS

For further information please see the inside front cover of this report or visit our website.

GIFT AID

If you are a UK tax payer, please do Gift Aid your donation. This means that your contribution to the Trust is boosted by 28p for every £1 you give, at no extra cost to you.

CONTACT US

If you would like to make a donation to the Trust or would like to hear more about our current projects please contact us. Whether you are a charitable trust/foundation, a local/national business, or an interested individual, we NEED YOUR SUPPORT TO CONTINUE OUR WORK and would be delighted to hear from you.

Email us at: info@hwtma.org.uk or by post at HWTMA, Room W1/95, National Oceanographic Centre, Empress Dock, Southampton SO14 3ZH.

'A Year in Depth' is a summary of the work of the Hampshire and Wight Trust for Maritime Archaeology.

Below the waves lies the largest
and best stocked museum in the world.

The seabed in our coastal waters contains an assemblage
of cultural assets that reflect British social and technical
development since the last Ice Age.

The resource is common to us all but is easily overlooked as,
being out of sight, it can often be out of mind.

A main objective and one of the major successes of the HWTMA
is to discover the mysteries of the deep and disseminate
the information far and wide.

This year the Trust has delivered 116 outreach events that have
been attended by over 30,000 people. We have given 27 talks to a
total of over 1,000 people and our website receives more than
800 visits per week. In addition, the work of the HWTMA has
featured on national and regional television, radio, newspapers,
websites and documentaries as it champions local and
international research of the submerged cultural heritage.



The Hampshire and Wight Trust for Maritime Archaeology

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