

The Annual Report is a summary of the work of the Hampshire and Wight Trust for Maritime Archaeology. The HWTMA promotes interest, research and knowledge of maritime archaeology and heritage in Great Britain, with core activities focused in Hampshire and on the Isle of Wight.

Sixteen years of achievement as an independent charity has given the HWTMA the experience to pursue the goals and research agenda that it believes to be the most appropriate for the region. The many pioneering initiatives, a number of which are described within, are disseminated in a variety of ways. This year 93 presentations have been given, 10 reports, books and papers have been published, 11 activity days and 74 fieldwork days have been organised, 7066 education resource packs have been requested and our web site has attracted over 430,000 'hits'. In addition the work of the HWTMA has featured on national and regional television, radio, newspapers, websites and documentaries as it champions local research of the submerged cultural heritage.



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A Year in Depth

The Annual Report of Hampshire and Wight Trust for Maritime Archaeology



2006/2007

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All text and images in this report are produced by HWTMA staff and Key External Personnel unless otherwise stated.
Cover image: Simon Brown

The Hampshire and Wight Trust for Maritime Archaeology is in many ways beholden to the support of numerous organisations for its 16 years of achievement and continuing prosperity. Yet it is the diversity of the backing the Trust receives that has been the secret to its success, for this gives the HWTMA independence to pursue the goals and research agenda that is the most appropriate for the region. This has led to pioneering initiatives such as the inter-tidal work on the Hamble River and at Langstone Harbour; the creation of underwater diver trails; and, more recently, the widely reported discoveries of the submerged 8,000 year old site of industrial activity unearthed in the Solent this summer. These projects are recognised nationally for their contribution to the management and understanding of the maritime archaeological heritage.

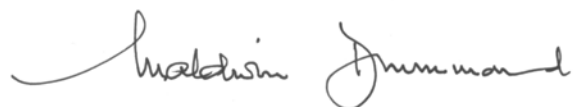
Another area of outstanding success has been the educational agenda driven forward by HWTMA staff with financial assistance from the Aggregate Levy Sustainability Fund via English Heritage and through Lottery funding streams. This year 93 presentations have been given; 10 reports, books and papers have been published; 11 activity days have been organised; 7,066 education resource packs have been requested; and our web site has attracted over 430,000 'hits'.

The education packs we have been developing during the last few years are now being used on a regular basis. Activity sessions have been taught in secondary schools and community schools, to children with disadvantaged backgrounds and children with learning disabilities. These are initiatives that have been very well received, and the benefits of our outreach and education programme are now being realised at a higher level as in 2007 for the first time the Trust has been commissioned to educate educators. To date the courses have attracted participants such as teachers and curators from all over the country and have been so oversubscribed that more have had to be scheduled.

In support of the educational enterprises the Trust has run activity days and created temporary displays at venues around Hampshire and the Isle of Wight. Venues have included Eastleigh Museum; Forton Lake; Southsea Castle; Hurst Castle; Porchester Castle; and Fort Cumberland. Our permanent exhibition at Fort Victoria on the Isle of Wight has also hosted outreach events and witnessed an increase of visitors to over 10,000.

The success of the education strategy is, of course, only possible because of the years of work that have gone into the understanding of our submerged heritage. Previous archaeological investigations have continued in 2007 in the inter-tidal zone and underwater. These include work on the Hamble; Portsmouth Harbour; the River Test; the old anchorage of HMS *Victory*; wrecks in the Eastern Solent; and submerged landscapes in the Western Solent.

I would like to finish by taking this opportunity to thank the Director and the staff for their hard work in making the Trust such a success. I would also like to thank Hampshire County Council, the Isle of Wight Council, English Heritage, Heritage Lottery Fund, Southampton City Council, the Leverhulme Trust, Leader + 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.

A handwritten signature in black ink, reading 'Maldwin Drummond', written in a cursive style.

MALDWIN DRUMMOND
Chairman
October 2007

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: 102



Exhibitions and fieldwork days: 95



Public attendance at summer activity events: 5,450



Website access: 432,000



Education resources requested: 7,066



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

The Hampshire and Wight Trust for Maritime Archaeology are at the forefront of maritime archaeology education. Our wide and varied education programme has much to offer at all levels.

Engaging Young People

Over the last few years the HWTMA have branched out into educational initiatives aimed at younger people both in and out of school. The aim was to encourage interest in maritime archaeology from a young age and to date this seems to be working. Archaeology is seldom taught in schools as a separate discipline, it is therefore the case that we must raise its profile to further increase its accessibility and appeal. In this way we hope to inspire young people to learn about maritime archaeology so that they take it further into a higher education course or simply gain an appreciation that stays with them throughout life.

Working within the National Curriculum

The HWTMA have a great deal to offer schools. Whilst at first glance maritime archaeology might not sit within the National Curriculum a second look reveals the cross curricular nature of the subject. Maritime archaeology can illuminate the practical application of many school subjects including history, geography and the sciences. Literacy and enjoyment of language feature heavily within our educational resources. An imaginative and adaptable approach is needed to demonstrate the value of maritime archaeology as a tool to engage pupils with core subjects within the curriculum. Our primary challenge is to overcome this obstacle and continue to push archaeology into teaching wherever possible. Archaeology can present core subjects in an interesting and imaginative light, whilst demonstrating its relevance to our understanding of the past. We therefore have three basic objectives:

- ◆ To generate interest in archaeology as a subject that can be integrated within the curriculum
- ◆ To create an awareness of archaeology to inspire pupils to continue to learn about archaeology in further and higher education

- ◆ To support those pupils that do continue into further and higher education

Higher Education and Adult Learning

The HWTMA can offer a varied work experience programme, providing a rich learning opportunity for students. These placements are often used to fulfil work experience modules, as many students realise that to increase their understanding, interest and likelihood of employment following university it is essential to take part in as much real maritime archaeology as possible. Our non-student volunteers - called the 'Friends of the Trust' - constitute a thoroughly mixed group of people who join in with our activities for a variety of reasons: many have a keen interest in their maritime heritage that they want to build on. Others are interested in participating to learn more generally about archaeology, many of our volunteers cannot dive and therefore make the most of the non-diving elements of our work, which in reality is a more common way to get involved. Whatever way students and other volunteers join in, this sort of participation offers a direct and tangible appreciation of maritime archaeology that they are likely to remember and learn from far more than attending many lectures!

Educational Resources and Exhibitions

To complement our educational strategies we have a range of educational resources including Secrets of the Solent, Aggregate Loan Packs and Professor Archie O'Logy's Fun World CD. These are constantly being revised and updated. Generally the most useful resource for older students is our extensive library of project based research and information that has been compiled over the years. Not only can students search through written information, but Trust staff are always on hand to share their expertise. Students come from far and wide to use the HWTMA resources and to develop their own research.

The HWTMA have a number of temporary displays and exhibitions throughout the community. The permanent display at the Underwater Archaeology

Centre provides a wonderful learning resource for everyone who visits, inspiring through a variety of different media.

The Future of Education at the HWTMA

Feedback from our educational initiatives has been extremely positive both from teachers and students. Almost 9,000 copies of our education packs have been requested and in 2007 we exhibited for the first time at the Education Show in Birmingham

where we had access to over 16,000 teachers. We are now in a position to share our experience and knowledge with other educators through schemes such as our Maritime Archaeology Access and Learning Workshops. The HWTMA education programme looks strong for the future and we will continue to be at the forefront of maritime archaeology education, enthusing and inspiring the maritime archaeologists of tomorrow.

The Underwater Archaeology Centre

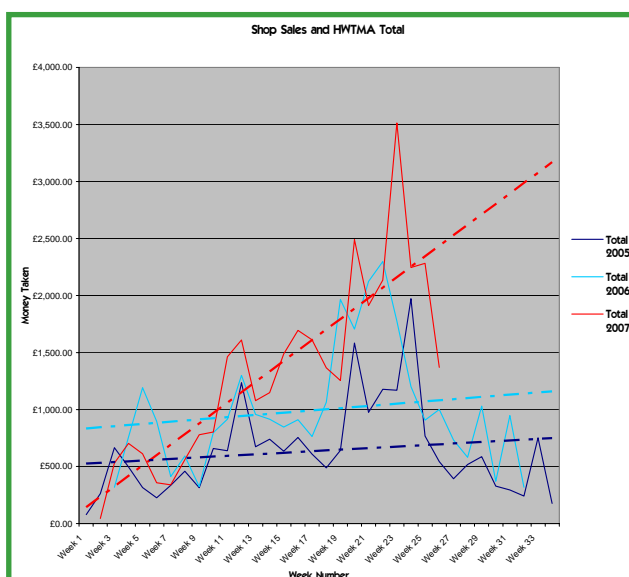
The Underwater Archaeology Centre has continued to improve and flourish in the hands of our excellent UAC staff. The improvements they have helped to bring about have ensured a steady increase in visitors this year. The admissions at the UAC continue to be heavily influenced by the weather, so 2007 got off to a slow start with the exceptionally warm Easter period. This was soon replaced by the worst summer weather in memory which increased visitor figures. This, combined with the improvements in shop design, saw a rise in business.

signs are looking good for 2008 and bookings are already up compared to this period last year.

Activity Days



Ben and Charlie Ward at the UAC with their Viking longships



Weekly admissions and shop sales comparison as at end of August 2007

A particular success this year has been the growth of school visits. Bookings have steadily increased since 2005, and 2007 saw a 33% rise on 2006. The

Building on the success of summer activity days held at the UAC in previous years, five summer activity days were held throughout August 2007. They were planned to appeal to both local families and tourists alike and to engage children with their maritime heritage. A diverse range of activities were on offer including figurehead fun, pirate maps, Egyptian boats and make your own Viking longship.

Mesolithic wooden artefacts, flint tools, reused burnt flint, worked wood chippings, charcoal and timbers covered in tool marks. These are some of the items recorded during the 2007 fieldwork season from the 8,000 year old drowned site of Bouldnor Cliff off the north-west coast of the Isle of Wight. Evaluation trenches have revealed an area rich in the trappings of Mesolithic life that suggest industrial activity entailing wood carbonisation and woodworking. The discoveries not only revealed the stone tools used by our ancestors to fashion items necessary for daily living but also the organic articles they crafted.

Attention was first drawn to this specific site following discoveries in the autumn of 2004 when a burnt flint-filled pit was spotted eroding from the edge of the cliff. The pit, believed at first to be a deep hearth or oven, lay adjacent to a timber built platform-like feature. The discoveries were sampled and dated as part of an English Heritage project.

Monitoring the features over the last three years indicated the cliff and seabed were steadily retreating, removing anything archaeological with it. Exposed timbers that were recovered from the surface for examination proved to be too degraded for interpretation. Bio-erosion with the help of a two knot tide quickly removed detail, leaving items peppered with pitted surfaces and impregnated by holes an inch in diameter.

It was clear that an evaluation excavation was necessary if we were to identify the potential of the site and to recover information before it degraded. A project was therefore developed to investigate the archaeological landscape and was funded by the

Leverhulme Trust via the Department of Archaeology, University of York and by the Royal Archaeological Institute.

Sampling

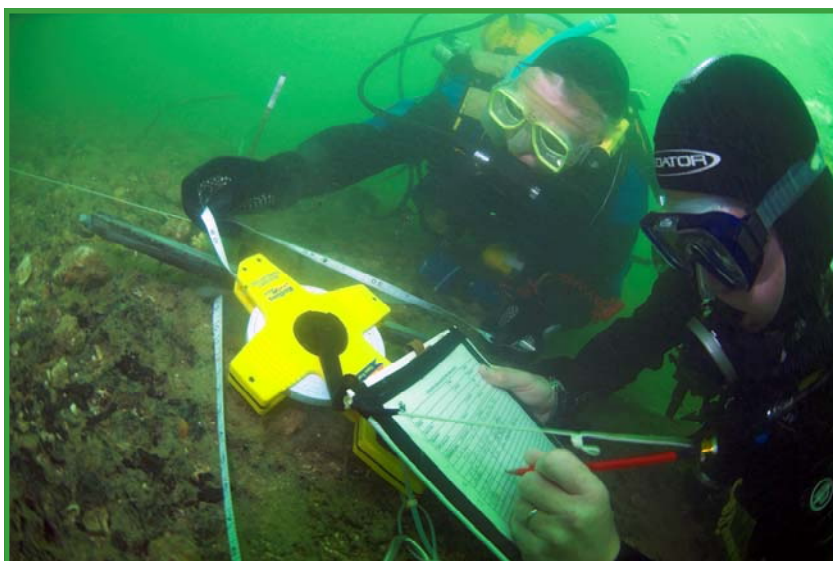
The greatest challenge presented to the HWTMA excavation team was recovery of delicate archaeological and palaeo-environmental material from the seabed while minimising the impact on its integrity. To achieve this and to assess the broad distribution of material the area first needed to be defined so a grid was established on the seabed as a framework for recording. Markers were placed at set intervals within the grid along the cliff to act as reference and monitoring points to inform future changes. The next step was to identify sections within the grid for detailed survey. A uni-strut frame courtesy of Analytical Engineering was fixed over the test pits before layers were removed to record stratigraphic horizons.

An alternative method used to maintain contextual integrity was to sub-divide areas and

retrieve cohesive samples sequentially. The sample boxes had been designed in-house with the aid of construction specialist Bob Bailey. In total 43 samples were recovered from the seabed, the holes left behind subsequently being back filled.



8000 year old Mesolithic worked peg



Mark Dunkley and Andy Williams surveying the prehistoric landscape and recording core samples at Bouldnor Cliff. Photo: Simon Brown

weeks a shore base was established in Keyhaven Scout Hut which hosted a total of 29 volunteers. They arrived armed with lilos and sleeping bags having originated from as far away as Canada, Australia, France, Newcastle and York. While the work was hectic and lasted from dawn till dusk, the volunteer and professional divers were supported by the shore crew who provided excellent catering between excavating, sieving and sorting through the many samples retrieved.

Interpretation

Initial interpretation of the findings suggest industrial activity where flints and pebbles have been used to prepare timber by burning before it was cut. The flints were repeatedly heated to a high temperature and appear to have been stored in at least one pit in between being reused. The manufacturing process is akin to that used when constructing log boats. Amongst the finds was a pointed stake; a large piece of round-wood with cut marks; and a timber 60cm wide and over 1m long. These large pieces of timber have yet to be fully analysed but appear to be intrinsically linked by the nature of their immediate relationship. Any structure that requires such large components demonstrates a considerable amount of investment of time which in turn implies a degree of local settlement.

Project Operation, Teams and Logistics

Preparation for the excavation began in May when the site grid was set up. June saw the first tranche of augering, which helped characterise the stratigraphic layers. This was led by the Defence Diving School from their tender with help from Andy Williams with his RIB *Dingle*. In July and August two busy weeks of diving activity saw extensive survey and recovery of samples from the boats *Wight Spirit*, *Oberon*, the Ro Ro Sailing Project catamaran *Scot Bader*, and Rob Heaton's RIB. For these two

Fieldwork preparation and post processing, concentrated at the National Oceanography Centre has covered a period of over nine months. To date 18 diving days involving six boats and 45 people have helped to recover the material. The project owes its success to the great number of people involved. This included professional archaeologists, the Defence Diving School, students of archaeology, avocational divers, volunteers above and below water and of course the many people who support the work of the HWTMA. Finally, this groundbreaking work would have proved very difficult without the amazing dedication of all the volunteers, thank you.



Volunteers Tamsin Scott and James Thiru excavate a sample in the National Oceanography Centre

The HWTMA have been expanding our educational initiatives to include many different opportunities for learning outside the classroom. The government has addressed the importance of this in its recently published 'Learning Outside the Classroom' Manifesto. It states that *'every young person should experience the world beyond the classroom as an essential part of learning and personal development, whatever their age, ability or circumstances'*. The HWTMA fully support the Manifesto and are in a unique position to offer enriching experiences to children that help fulfil these aims. Projects have included:

'Maritime Archaeologist for an Hour' Sessions

A new initiative this year has been taking children out to archaeological sites along the foreshore for the first time. The sessions entitled, 'Maritime Archaeologist for an Hour' have given children, both in school groups and in other groups, the chance to try their hand at maritime archaeology in a carefully controlled environment. Sessions have taken place along the foreshore in locations such as the River Hamble and Forton Lake. Children have been able to try archaeological survey techniques including using planning frames and section and plan drawing. These sessions have proved a real hit with the children taking part and have enthused and engaged them through a very hands on experience. One aspiring maritime archaeologist of the future, Alex Pope, 14, was inspired to write an article about his experiences in the Young Archaeology Club



Pupils recording archaeological remains at Forton Lake

magazine after his visit with the HWTMA to the River Hamble. He urged people to go and visit the varied archaeology and get involved with the HWTMA!

National Oceanography Centre Science Week

The annual science day was held in March at the NOC and again visitors arrived in their thousands to explore the Oceanography Centre and try their hand at the activities provided.



A family learn about archaeological bones

Southsea Castle Open Day



Young visitors help Jan Gillespie with the archaeological sieving

Hundreds of people turned up at Southsea Castle to enjoy the sunny family fun day. Visitors were able to get involved with our work through hands on archaeology; helping to sieve some of the many samples raised from the prehistoric landscape at Bouldnor Cliff. The children in particular

enjoyed getting 'stuck in' to the mud and much interest was shown from the adults visiting the Castle. Amongst the interesting items discovered are worked flint tools and wood, charcoal and hazelnuts.

Experience gained from our educational work over the last sixteen years has shown there is a need to promote education and awareness of maritime archaeology across all ages and sectors of the community. A key way to deliver this is through activity days and events which involve the whole family – a particular speciality of the HWTMA. However, despite our best efforts the HWTMA staff can not currently cover the whole country! To address this the Maritime Archaeology Access and Learning Workshops were developed which aim to increase capacity to deliver marine heritage related activities through informing and educating event organisers, and thus directly enabling a much wider public audience to be impacted. The workshops are funded by the Aggregates Levy Sustainability Fund through English Heritage.

organisers and volunteers involved with the delivery of events. In addition to presenting information and showcasing the HWTMA's suite of educational resources the residential workshop also promoted on-going communication and networking between individuals and organisations encouraging development of ideas and effective planning of events in the future.

The timetable was fully packed and very diverse, covering all the necessary topics to make a maritime archaeology themed event a success. Topics included an introduction to both maritime archaeology and marine aggregates, finding funding, publicity and feedback, risk assessments, event photography and an early morning foreshore session examining how to get the most out of the foreshore as a teaching resource.



Free Training Workshops
Maritime Archaeology and Marine Aggregate

- Free residential two day workshops
- Fun Fieldwork and Activity ideas
- Bring Maritime Archaeology into the classroom or introduce it to a group of people out of school
- Fit Maritime Archaeology and marine industry into the National Curriculum
- Ideas for outdoor activities
- Ideas for organising events

This two day workshop will be held on the Isle of Wight on July 25th - 26th and in February 2008. It will reveal how to use maritime archaeology and the marine aggregate industry in schools, and how to hold events and activity days for the general public. All practicalities that should be considered when planning such events and activities will also be covered. These will include things like risk assessment, photography, marketing and much more.

If you want to incorporate maritime archaeology or marine aggregate into an event, lesson or activity then contact HWTMA staff: Alison Hamer or Rebecca Coaker to join a workshop. Call 02380 237 300 or email rebecca.coaker@thehtma.org.uk or alison.hamer@thehtma.org.uk

Supported through the Defra Aggregates Levy Sustainability Fund

Initial feedback from the first course has been very positive. Comments included, *'Workshop coordinators delivered an excellent experience over the two days. They combined professionalism with a friendly, fun approach. The relaxed atmosphere encouraged involvement and communication between workshop participants'* and *'I now know that aggregate production is consumer driven and not negative'*. The second workshop is now fully booked and initial demand for the third has been very high.

The experience of the HWTMA has resulted in the creation, implementation and management of a range of displays, activities, outreach and education initiatives designed specifically for maritime archaeology. This has given the HWTMA vast experience of maritime archaeology education and placed us in a unique position to deliver these workshops. Three workshops will be run during the project, to date one workshop has been completed.

The workshop brought together interested educators and heritage professionals involved with the marine environment. Target participants included museum education officers, archaeological organisation education officers, heritage event organisers, dive professionals, marine event



After the success of the 'Solent Aggregates to Outreach' project funded by the ALSF, the HWTMA is delighted to be able to continue and enhance the scheme in the Solent and expand it to other areas of England through Round Three ALSF funding.

The original project disseminated information on the relationship between the aggregate industry and marine heritage through the development of the 'Exploring the Seabed of the Solent and Wight: Maritime Archaeology and Marine Aggregate' education pack, in addition to providing a range of talks to community groups. These resources were so well received by their target audiences that they have now been developed and enhanced with the following components:

Continuing Programme of Community Talks

The demand for community presentations during the original project influenced the decision to continue the programme of talks into the new project. The popular talks inform community groups about the important issues and information relating to maritime archaeology and marine aggregate and show how closely they relate to their own communities within the Solent and Wight areas.



A community presentation at Brighstone History Society on the Isle of Wight

Extension of Packs to other Areas of England

Due to the popularity of the Solent focused education loans packs with groups all around the country, it was decided to extend the packs to other areas of England where marine aggregate extraction is carried out. Three new packs are being developed for the following areas: Bristol City, Devon and Somerset; Lincolnshire and East Yorkshire; and Essex, Norfolk and Suffolk. The new

packs include a fully illustrated folder which presents a range of local case studies drawn from each region along with electronic resources on a CD. The folders are accompanied by artefacts and objects which can be used in a range of hands-on activities from the loans box. Copies of the three new packs will be housed in appropriate locations in each county for teachers from the region to easily access.



Children at Dorset Museum Young Archaeology Club using the Education Loan Pack

School Workshops

Feedback from the original Aggregates to Outreach project indicated that teachers felt it would be useful to provide an option for HWTMA staff to go into schools to talk directly to the pupils. Once in a school, whether giving a full lesson, themed day or simply an assembly, it is easier to engage with the pupils and spread enthusiasm for the subject. School workshops have been developed based around the Solent teaching pack, they generally last for half a day, but can be tailored to specific school needs. The workshops, which will be available until March 2008, are mostly being delivered in the Solent region, although requests from further afield have been received. They have been a delight to run and the children have been inspired. The HWTMA staff even got asked by an 8 year old at one session what A Levels he would need to become a maritime archaeologist! Feedback from teachers has also revealed the value of the HWTMA staff going into schools. Comments have included, *'the children were fascinated, engaged and*



Children at Blackfield Primary learn about maritime archaeology and marine aggregate during an HWTMA workshop

motivated and, that it was ‘a high standard learning experience, both enthusiastic and inspirational’.

Children’s Activity Book

Based on the HWTMA’s experience of producing fun, educational activity books for children, a publication is being developed which explores the subjects of archaeology and aggregates in an easily accessible way. This highly illustrated book can be used in conjunction with the teaching pack, but is designed to be stand-alone as a educational resource.

Interactive CD

Children are increasingly becoming highly computer literate and respond well to resources which are presented digitally. To cater for this area of learning Professor Archie O’Logy’s Aggregate Funworld CD is being developed. The CD will use flash animation to uncover maritime archaeology and marine aggregate through data pages, quizzes, puzzles and games.

Promoting the Project

To promote both the original and current Aggregates to Outreach projects an extensive programme of promotion and dissemination has

been undertaken. A key element of this campaign was attending the Birmingham Education Show in March 2007. The show is the UK’s leading educational resources event which attracts over 16,000 visitors. It provides a showcase for teachers from all levels and specialisms to review, test and compare a wide range of resources. Exhibiting for the first time in 2007 was very positive and allowed us to show-case our educational resources and services. Feedback was excellent with numerous bookings received for the Aggregates to Outreach Loans Box. Further promotional events in 2007/08 will include attending the London Education Show and the London International Dive Show.



The HWTMA stand at the Birmingham Education Show

Education and Outreach



Forshore Fieldwork



Underwater Investigation



Activities and Events



HWTMA 2006/2007
www.hwtma.org.uk



The Heritage Lottery funded 'Recording Archaeological Remains on the River Hamble' project has meant a busy year working in and around the river margins. This grant has provided a substantial boost to the HWTMA's investigations of the river.

The project aims to record archaeological sites and features, many of which are degrading, and to undertake research to assess their significance. This information will help with the long-term management and protection of our fragile maritime heritage. Key to the success of the project is the involvement of local volunteers who have been hands-on in all aspects including research, field survey and drawing up of results.

Since February our dedicated band of volunteers has been gradually growing. The HWTMA staff have led these willing participants in the survey of a large number of sites; the results from these visits has revealed some fascinating findings. Just a few examples of project highlights are included below:



Local volunteers are taught how to survey the remains of a Barnett Class lifeboat

Bunny Meadows Burnt Hulk Remains

Only the keel, part of the stern post and some collapsed structure now survive, however, from survey drawing and photographs diagnostic features have been identified. Two circular holes through the keel at both bow and stern indicate this vessel was a lifeboat. Research, which included

gathering photographs of the Chatham Lifeboat Exhibition by Friends of the Trust, revealed that this vessel was a Barnett Class lifeboat. This site is showing just how much information can be gathered from seemingly insignificant remains.

Engaging Students



Victoria Millership and Andy Sexton surveying archaeological remains on the River Hamble

Links with the Centre for Maritime Archaeology at Southampton University have encouraged participation in the project. With guidance from the HWTMA staff three sites have been investigated by students: harbour installations at Hoe Moor Creek, the remains of a minesweeper at Bunny Meadows and the hulk of the Thames Barge *Kimberley* at Foulkes & Sons Yard. The site reports detailing the survey and research will form a section of the project archive in addition to being submitted as part of the students' Masters Degree qualification.

Revealing the Norseman

Local resident and archaeology student Keith Clark has dedicated himself to the survey and research of this vessel which lies on the Lower Swanwick foreshore. His highly successful investigations originally suggested that the *Norseman* was a top masted schooner built in 1847, employed in transporting potatoes from Poole to the River Hamble. However, the vessel had a much more flamboyant history. Evidence now suggests it was built in Brooklyn in 1881 and used as a racing yacht for multi-millionaire Ogden Goelet in New York.

There is unconfirmed evidence revealing that the interior of the vessel was originally fitted out by Tiffanys! Later in its career the *Norseman* was used as a nightclub during World War II before fire destroyed the upper parts of the vessel. Keith's investigations have been extremely fruitful and demonstrate the potential of many of the hulks which lie in the inter-tidal area.

Increasing Participation

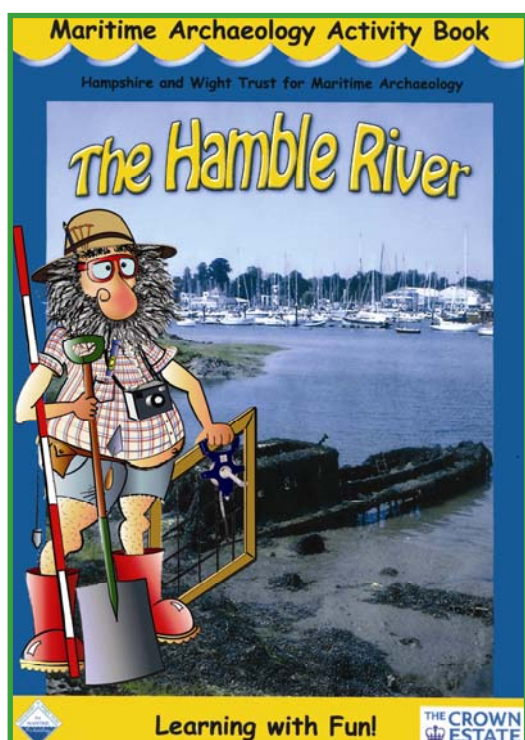
In addition to survey and research the project has been involving other community groups to highlight the wealth and importance of the maritime archaeology of the river. This has included providing a guided walk to the Southampton Young Archaeologists Club and a school workshop to Bursledon Primary. Both of these events were highly successful with children being engaged and enthused, this led to many difficult questions being posed to the archaeologists!

So What' s Next?

The intensive programme of field survey will continue this autumn alongside interviews with local residents to record their recollections of the hulks and further archive research. There are plenty of opportunities to become involved in this work, so please contact the HWTMA if you would like to get involved either in the field, or with the less muddy research. The project report will then be produced for spring 2008 and will be available from our website.

This project is reinforcing the importance of the maritime heritage of the River Hamble. Many of the often uninspiring looking hulk remains are important heritage assets, and it is vital to gain a record of these for present and future generations. With the support of our many volunteers this project is making an important contribution.

The Hamble River: Maritime Archaeology Activity Book



have produced a new publication aimed at children. The Hamble River Maritime Archaeology Activity Book encourages interaction with the foreshore archaeology of the Hamble River and is packed full of information presented in an informative, appealing manner. The Crown Estate funded publication was designed to be interesting, fun, and practical while still including an important conservation message.

Children are inspired through activities and information related to intertidal maritime archaeology. The publication is very hands-on and enables children to create their own investigations through various guided activities. It provides a fun introduction to archaeology and also, where appropriate, incorporates various other related topics, such as the environment.

To complement the popular adults Maritime Archaeology Foreshore Companion the HWTMA

is available via the office and can be ordered on our website.

The joint HWTMA and Nautical Archaeology Society (NAS) project investigating the maritime archaeology of Forton Lake, Gosport, continued this year. Between the 7th and 15th of July a large number of volunteers were involved in survey and excavation of hulks and foreshore sites to gather information to build on the preliminary work completed in 2006. The project culminated with a family fun day when local residents, visitors and anyone with an interest in Forton Lake were invited to see the results of the excavations and take part in a range of activities and competitions.

Archaeological survey in 2006 had concentrated on collecting photographs, sketches and basic dimensions of the hulked vessels around the lake. These results highlighted sites which required more survey to enhance knowledge and create detailed archaeological records. Sites surveyed included a steam pinnacle, a fishing vessel and a WWII minesweeper. During this work a number of other vessel remains not recorded in 2006 were noticed, including a bow section buried near the mouth of the lake, close to the new foot bridge. These wooden remains are very intriguing and will require further investigation.



Volunteers at work at Forton Lake

On the southern side of the lake, adjacent to the slip at the Maritime Workshop Boat Yard, the remains of two vessels can be seen protruding from an embankment. These wooden vessel remains had been identified as having high archaeological potential, and this year excavation was undertaken to investigate further. A series of trenches across

the vessel were eventually excavated after removing large amounts of rubble which, according to local residents, was placed in the vessels around seventeen years ago. The hard work was worth it as interesting structure was uncovered and recorded.

Excavation of the second vessel was extremely rewarding. Trenches placed at the bow, amidships and the stern enabled us to interpret the craft as the remains of a 19th or early 20th century flat bottomed sailing barge. Intriguingly, the trenches opened at the stern revealed a second vessel buried with the barge.



The Mayor of Gosport awarding fancy dress prizes

Site Open Day

The family fun day saw many visitors, old and young alike, who were interested in the project. There was a chance for children to try their hand at archaeological skills and for families to go on a guided site tour or take a trail leaflet to spot the archaeology. The day culminated in a fancy dress competition judged by the Mayor of Gosport.

The HWTMA and NAS are grateful to all those volunteers who kindly offered their time to this project, the work was demanding, but spirits remained high throughout the week. The program of in-depth survey and excavation will continue next year and we look forward to more exciting results! There are opportunities to become involved in all aspects of this project from getting 'stuck-in' in the mud to cataloguing records or research in archives. Please get in touch if you wish to help.

The Friends of HWTMA are an important group of volunteers who regularly support our work and have a strong interest in maritime archaeology. The *Maritime Matters! Awards for All* funded project has aimed to increase the number of people who participate in maritime archaeology through a programme of activities designed to appeal to everyone and to promote involvement in maritime archaeology through the Friends. The project was designed to raise awareness of maritime heritage through educational activities, community fieldwork, heritage themed trips and events.

Flint Knapping

In July internationally renowned flint knapper Will Lord was invited by the HWTMA to hold flint knapping workshops in Southampton and at the Underwater Archaeology Centre on the Isle of Wight. Participants had the chance to try their hand at ancient technology and create flint tools similar to those found on sites such as Bouldnor Cliff. Hand axes and arrow heads were created and some over-enthusiastic people even managed to produce hand axes that somehow morphed into very small arrowheads!



Will Lord teaches the ancient skill of flint knapping

Chatham Dockyard

At the beginning of June a group of Friends journeyed to Chatham Dockyard for the day. A guided tour, rope making demonstrations, and a boat trip meant that there was something for everyone to enjoy. A visit on board HMS *Gannet*



Left: Rebecca and Alison raiding the dressing up box aboard T.S. Mercury
Right: T.S. Mercury moored on the River Hamble

was a highlight of the day given its connections to our local area. The ship had been converted to a naval training vessel called *T.S. Mercury* and was moored on the River Hamble from 1885 until 1968. Another local link to Chatham were the impressively displayed artefacts uncovered during the excavations of *Invincible*.

Historic Pub Crawl!

Over twenty Friends of HWTMA gathered one evening in July for a guided tour of Southampton by local archaeologist Dr Andy Russell. They learnt all about Southampton's historic hostelries, accompanied by a pint or two! Andy is the Southampton City Archaeology Unit Manager, and has a wealth of knowledge about the city and how it would have looked at different periods in the past. They visited



Dr Andy Russell and the tour outside one of the oldest pubs in Southampton

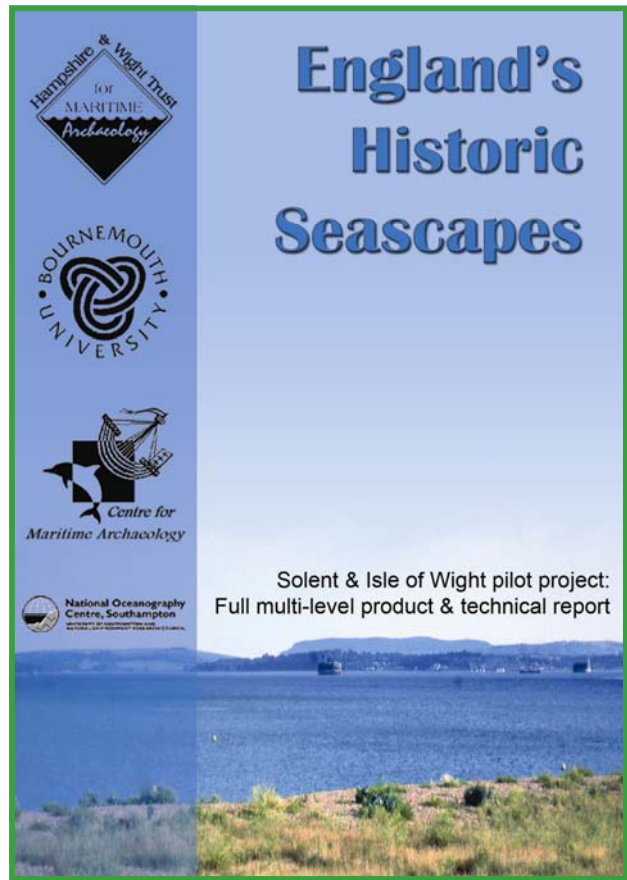
places that had been frequented by Jane Austen, pubs related to the *Titanic*, and even learnt about a building near the HWTMA office that played a role in the American Civil War!

Solent and Wight and Adjacent Marine Zone Pilot Area

Earlier this year the HWTMA, together with Bournemouth University, and Southampton University, delivered the results of the Solent Seascapes Project. Funded by the Aggregates Levy Sustainability Fund (ALSF) through English Heritage, it was one of four Seascapes Marine Historic Landscape Characterisation (HLC) projects being carried out at different locations along the English coast.

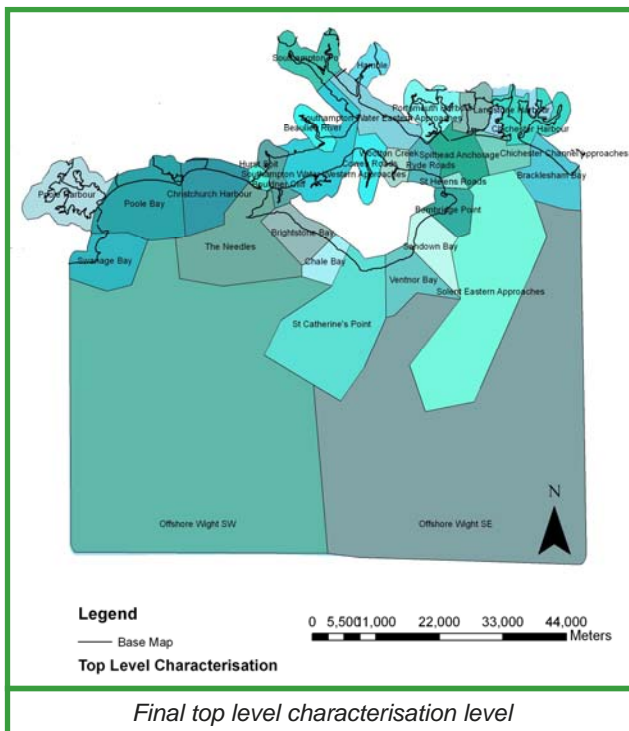
The project entailed applying the principles of HLC to the inter-tidal and marine environment out to the limit of the median line with France. The pilot projects tested and refined the marine HLC methodology that was initially developed in the Liverpool Bay Area pilot.

A multi-level approach was taken to the characterisation of the Solent in order to fully represent the multi-faceted nature of the coastal and marine zone. Consequently, four character sub-layers were produced, each representing essential components of the marine area: Coastal, Sea Surface, Seabed Surface (incorporating the water column) and Seabed Sub-surface. The character



attributes of each of these sub-layers were combined into an overall top layer comprising of 31 character areas. Each area is accompanied by a description which reflects the available historic environment data and information on human activity from all four sub-levels.

One of the primary Seascapes project outputs is a CD-Rom containing an accessible multi-media version of the top level of characterisation. It allows users to explore the Solent's character by clicking on one of the 31 areas which are linked to additional information: text descriptions, assessment of archaeological potential, images and further references. A report '*Solent Seascapes: why, how and what-for explained*' accompanies the characterisation map which presents the concepts and processes involved in building a marine HLC and its potential applications. It is hoped that this type of marine HLC will help achieve both an awareness of the importance of the heritage of the marine zone and promote an integrated approach to spatial planning in the future.





The Hazardous project team cut the cake

The year 2006 marked 300 years since the wrecking of Warship *Hazardous*, the remains of a late 17th Century naval vessel which lies in Bracklesham Bay, off West Sussex. This protected wreck site has now been under investigation by the Hazardous Project Group (SAA 308) for over twenty five years. To commemorate this anniversary two events were held. The first was a project open day with family activities on the 16th September which marked 300 years from when *Hazardous* set sail on its final voyage. Held at Earnley Gardens where the Hazardous Exhibition and Project Base are located it included a range of displays on maritime heritage, archaeology and local history in addition to badge making, face painting and games. The new Project Base was opened to the public for the day, which enabled a range of artefacts, site drawings and

archive material to be viewed. This successful and enjoyable event included short speeches and the cutting of a celebratory cake.

The second event was held over the weekend of the 18th and 19th of November to mark 300 years since the wrecking of the vessel. Current and past members of the Project Team, local supporters and residents gathered for a dinner which was punctuated between courses with readings of extracts from the ships log from its final voyage. The following day a bronze plaque located on the seafront which overlooks the site was kindly unveiled by Rear Admiral Richard Hill a member of the Advisory Committee on Historic Wreck Sites.

The HWTMA has been supporting the work of the Hazardous Project Group through Julie Satchell acting as Archaeological Advisor for the site and helping develop initiatives with English Heritage. This work looks set to increase as the winter of 2006/07 has not been kind to the already fragile site. Divers undertaking the first dives of 2007 were surprised by the large amounts of erosion which had taken place and the number of artefacts and new structure exposed. Work over the summer (when weather allowed) was focused on survey and recording prior to the recovery of the most at-risk items. We now look forward to assisting the Project Group in developing initiatives that will see more of this site rescued for future generations.

Young Archaeologists Dive In!

The HWTMA has been involving Young Archaeologists with fieldwork for some time, to date this has usually meant working on local foreshore sites to gain a taste of maritime archaeology. It has, however, proved difficult to take young people underwater with us . . . until now! We have been awarded funding from the Young Roots Heritage Lottery Fund to run an exciting project that will give eight lucky young people the chance to explore shipwrecks with us. The project will mainly take place in 2008 but here's a little taster of what's on offer . . . We are looking for eight 13 – 17 year olds to take part in this unique and exciting project.

Participants will get training and project work opportunities. All participants will be taught to SCUBA dive and will gain the internationally recognised PADI Open Water qualification. They will then get training in underwater archaeology to provide the basic skills used underwater. Once trained there will be a chance to put new skills into action by taking part on a four day long residential diving project based in the Solent. This will be a real hands-on opportunity to take part in everything from diving to post diving recording work. It promises to be an exciting and unique project!

Registered Archaeological Organisation

In August this year the HWTMA received the news that we have been accepted as a Registered Archaeological Organisation by the Institute of Field Archaeologists (IFA). This demonstrates that the Trust works to the established high standards set by the IFA who are the professional body for archaeology. The registration involved an inspection of the HWTMA offices and project archives by an appointed panel from the IFA, in addition to discussions with members of staff. The HWTMA are proud that our hard work and maintenance of high standards have been recognised through registration.

British Archaeological Award

The HWTMA are delighted that our work on the Alum Bay Diver Trail and associated initiatives was short listed for two of the prestigious British Archaeological Awards in 2006. With nominations for both the 'Heritage in Britain' Award and the coveted Silver Trowel Award expectations were high at the ceremony held in Birmingham which was attended by our Director, Garry Momber and Archaeological Officer, Julie Satchell.



*Left: Garry Momber and Lord Montagu of Beaulieu
Right: Julie Satchell and Mick Aston*

Against strong competition the HWTMA received a Runners-Up certificate in the Heritage in Britain Award, which was presented by Mick Aston. The event was made all the more special as it was attended by Lord Montagu of Beaulieu who is both

President of the British Archaeological Awards and the HWTMA Vice President.

Setting Standards in Boat and Ship Recording



HWTMA archaeologists recording a wreck

Archaeologists at the HWTMA are working on a project design for English Heritage to help write a technical guidance paper on the recording of ships and boats. This will call on the years of experience the HWTMA and its volunteers have gained in recording hulks in the inter-tidal area and wrecks on the seabed.

Maritime Archaeological Archives

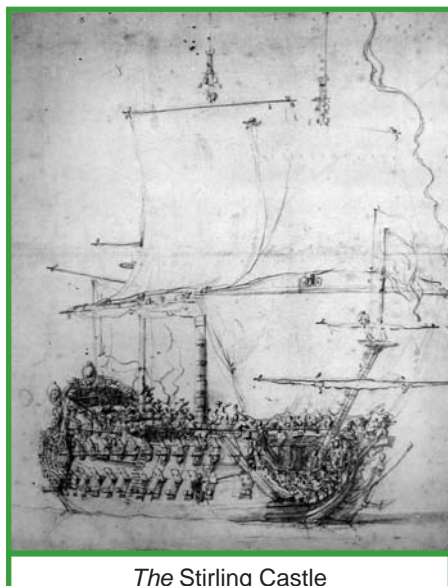
It has been recognised for some time that there are few museums or archives which are willing or able to accept archaeological material from the marine environment. This situation has been addressed in recent work by Jesse Ransley and the HWTMA Archaeological Officer Julie Satchell through the Institute of Field Archaeologists Maritime Affairs Group and the Archaeological Archives Forum. This has resulted in a number of initiatives including a seminar and a publication 'Slipping Through the Net: Maritime Archaeological Archives in Policy and Practice'. The HWTMA is now involved in a project which will fully evaluate the current situation in relation to maritime archives and look to gauge future demand. The establishment of this baseline data is vital to help planning and management on a national scale to ensure there are public museums and archives that can help preserve marine material for future generations to enjoy.

Dive onto Victory

The last twelve months have seen a continuation of work on the Friends of the Trust project 'Dive on to Victory'. Divers set up a survey grid on the old mooring site of HMS *Victory*, and artefacts along the grid were plotted to try to analyse the distribution items. Volunteer Pauline Christie braved the rain to log, label and bag artefacts that were recovered for research. The information boards produced by the Friends for this project are at present displayed at Portchester Castle along with some of the interesting artefacts which illustrate a story through time on the site from the late 18th century through to the mid 20th century.

Investigating the *Stirling Castle*

The HWTMA has been commissioned by English Heritage to produce a project design to carry out work on a Protected wreck site, that of the *Stirling Castle* located off the south east coast of England, off Kent on the Goodwin Sands. The Goodwin Sands cover an area of 28 square miles and have the greatest concentration of shipwrecks per square mile in the world. Within the sands there are 1800 known shipwrecks.



The Stirling Castle

The *Stirling Castle* was one of 30 great ships of the line built as part of Samuel Pepys shipbuilding programme of 1677. The programme consisted of 1 first rate, 9 second rates and 20 third rates. The initial design of the new ships agreed by Parliament

was found lacking so the King, Charles II, proclaimed that he would personally pay for the needed alterations to the size of each vessel from his own purse. To simplify maintenance the King insisted the masts, spars, rigging and fittings of each rate be standardised, whilst Pepys ensured the ordnance was also standardised. This marked the first steps in the control of naval architecture by the naval administration. The size of the building programme strained the resources of the Royal Dockyards and meant that the new ships were ordered in two instalments. The first instalment consisted of 3 second rates and 12 third rates, and the second instalment of 1 first rate, 6 second rates and 8 more third rates. The *Stirling Castle* was a third rate laid down as part of the first instalment of ships in 1677.

Archaeology in Marine Aggregate

Environmental Statements

With Aggregates Levy Sustainability Funding from English Heritage the Archaeology in Marine Aggregate Environmental Statements project sought to review the development of best practice when assessing cultural heritage ahead of aggregates extraction. With increasing knowledge of the archaeological resource underwater and changes in the regulatory and licensing processes our abilities to investigate, predict and mitigate potential effects on sites and landscapes has been improving.

The project analysed a large number of Environmental Statements and associated Environmental Impact Assessments that had been submitted for Government Review as part of the marine aggregate licensing process. It assessed a number of areas including sources for desk based assessment, the provision of archaeological advice and mitigation implementation. The results demonstrated a general trend of improvement in archaeological responses which was measured against established best practice. However, there were areas identified that require further attention, these were highlighted in the project outcomes that included a set of recommendations to help inform current and future best practice.

Annual Public Lecture

The 2006 Annual Public Lecture was kindly given by Campbell McMurray who reflected on his life and career. Campbell grew up on the west coast of Scotland and started his career as an apprentice with a ship building company before becoming a ships engineer at sea. He eventually moved to the National Maritime Museum to run an oral history recording project.. Campbell talked about his work there before moving to his post at the Royal Naval Museum.

Gunwharf Maritime Careers Festival

The HWTMA hoped to inspire the maritime archaeologists of the future with a stand at the Gunwharf Maritime Careers festival in June. Local schools attended throughout the day and HWTMA archaeologists were on hand to answer questions about how to pursue an archaeological career.

Website

The website continues to go from strength to strength. The website 'hits' are now approaching 500,000 for the year, a daily average of over 1,000 people accessing the site! The website is an important tool for disseminating the work of the Trust and as such it is constantly reviewed and updated. In the last year the site has been used to download over 4,000 copies of the Secrets of the Solent education pack and 2,569 copies of the Aggregates to Outreach education pack notes.

Winter Lecture Series

After the success of the inaugural Winter Lecture Series the HWTMA and Brading Roman Villa teamed up for the second year to host a programme of historically themed winter lectures and demonstrations on the Island. Subjects in the series included: 'The Island's First Farmers' a practical demonstration; 'The submerged pre-history of the Solent'; 'Shipwrecks of the Solent and Wight' and a lecture by Owen Cambridge of the IOW County Archaeology Unit talking about recent discoveries, work of the unit and the Finds Identification Day.

London International Dive Show

The HWTMA attended LIDS 2007 with a stand to promote the work of the Trust. The show was busier than ever and we had many visitors. Yet again we were kindly looked after throughout the weekend by Mark and his team from Go Dive.



The busy HWTMA stand at LIDS 2006

Portchester Archaeological Roadshow

The HWTMA joined with English Heritage at Portchester Castle Archaeological Road Show. The public were invited to bring along their finds for identification and had the chance to examine archaeological finds made by the Trust and join in a number of activities.

Outreach Events Attended

The HWTMA have had our outreach stand and activities at the following events, as well as those mentioned elsewhere in this report, in order to promote maritime archaeology in the region:

- ◆ Hamble River Festival
- ◆ National Archaeology Week, Fort Cumberland, Portsmouth
- ◆ Fort Victoria Foray
- ◆ Hobbies Festival at Royal Victoria Country Park

Work Experience

The HWTMA continue to provide valuable experience to those who want to take their archaeological interest a step further. Volunteers are an important asset to the HWTMA as they support us in achieving our charitable aims. We would also like to thank Martin Huggon, Francesco Caputo, Nathan Stevens and Rebecca Brown for hard work during their placements.

Talks, Lectures and Representation

Over the last year members of HWTMA have given presentations to over 3,000 people. This can be broken down in to the following groups:

2006—2007 Summary of Talks, Lectures and Presentations	
Schools and Youth Groups	31
Archaeological and Historical Societies	25
Community Groups	31
Higher and Further Education Groups	6

Papers given at events and conferences include HEA Teaching and Learning in Archaeology Conference, EAA Conference, Archaeological Archives Forum Seminar, IFA Maritime Affairs Group Marine Designation Seminar, Institute of Archaeologists Conference, Royal Archaeological Institute and University of the Highlands and Islands.

The HWTMA are represented at meetings of the Standing Conference on Problems Associated with the Coastline, the Solent Forum, the Institute of Field Archaeologists Maritime Affairs Group, the Joint Nautical Archaeology Policy Committee, IKUWA 3 Steering Committee, the Executive Committee of the Nautical Archaeology Society, 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 SUPA Committee, Poole Harbour Heritage Project, the Hamble Estuary Management Plan Implementation Forum and the River Hamble Education Group, the Isle of Wight Heritage Partnership and the Southampton Heritage Federation.

Articles, Reports, Publications

- ◆ Annual Report
- ◆ CBA Wessex Newsletter

- ◆ Hamble River: Maritime Archaeology Activity Book
- ◆ IKUWA 2 Proceedings
- ◆ IMPACT: The Historic Environment Enabling Programme Annual Report
- ◆ International Journal of Nautical Archaeology
- ◆ Nautical Archaeology Society Newsletter
- ◆ Proceedings of the Seminar for Arabian Studies

Publicity

- ◆ BBC 2 documentary
- ◆ BBC Radio 4 Today Show
- ◆ BBC Radio Solent
- ◆ BBC South Today
- ◆ BBC World News (online)
- ◆ Current Archaeology
- ◆ Daily Mail
- ◆ Island Pulse
- ◆ Isle of Wight County Press
- ◆ Isle of Wight Beacon
- ◆ ITV River Walks
- ◆ Meridian
- ◆ NOC Bulletin
- ◆ Original 106 FM
- ◆ Portsmouth News
- ◆ Primary Times
- ◆ Southampton Daily Echo
- ◆ Sunday Telegraph
- ◆ Time Team: Submerged Landscape Special
- ◆ UK History Channel documentary
- ◆ Young Archaeologist

2006—2007 Summary of Activities	
Visitors to UAC	10,225
Number of people attending summer activity events	5450
Number of people requesting an educational resource	7066
Number of people accessing the website	432,000+
Number of exhibitions with the HWTMA travelling display	26
Number of days diving	28
Number of dives	168

Thank You!

HWTMA gratefully acknowledges the generous support of the following:
October 2006 — September 2007

Grants and Donations

Hampshire County Council	Gosling Foundation
Isle of Wight Council	Daisie Rich Charitable Trust
Southampton City Council	Aiken Foundation
West Sussex County Council	Herapath Shenton
English Heritage	Roger Brookes Charitable Trust
Crown Estate	A. Goddard
English Nature	Gale and Company
Isle of Wight Economic Partnership Leader + Programme	Royal Archaeological Institute
Young Roots	Leverhulme Trust
WIGHTlink	Rowan Bentall Charitable Trust
Your Heritage—Heritage Lottery Fund	John Coates Charitable Trust
Awards For All	National Oceanography Centre
Project AWARE Foundation (International)	Charlotte-Bonham Carter Charitable Trust
BSAC Jubilee Trust	

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Mr G Bailey	Hamble Harbour Authority	Charters
Mr I Barrow	Miss A Hamel	Mr D Riordan
Mr D Belfield	Mr and Mrs Hamer	Mrs R Robbins
Miss K Bell	Hanson Marine Aggregates	Royal Yacht Squadron
Mr J and Mrs J Bingeman	Mr R Heaton	Mrs N Richens
Mr N Blake	Mr K Hood	Ms Dawn Russell
Mr P Blake	Mr M Hudson	The SAA 308
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British Ocean Sediment Core	Mr M James	Mr A Sexton
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Ms A Broome	Mr T Jenkins	Ms P Spikins
Mr S Brown	Mrs J Jones	Mr J Thiru
Mr D Buck	Mr M Koerner	Dr D Tomalin
Mr S Campbell-Curtis	Mr C Lisher, Yarmouth Harbour Master	University of Southampton
Miss O Chalwin	Mary Rose Trust	University of York
Mrs P Christie	Mr A Mack	Mrs J Verrinder
Channel Coastal Observatory	Mr C McKewan	Mr Z Wakeman, Ro Ro Sailing Project
Dr K Collins	Milford & Keyhaven Sea Scout Group	Mrs C Watson
Defence Diving School	Mr T Millership	Mr D Wendes, Wight Spirit Charters
Ms V Dellino-Musgrave	Mr L Moran	Mr A Wilkinson, Keyhaven River
Miss B Dewing	Mrs D Morgan	Warden
Miss S Exelby	Mrs M Morphy	Mr A Williams
Mr M Flint	Mr A Moss	Mr N Williams
Mr R Flint	Mr D Pascoe	Mrs W Wiseman
Miss D Forster	Mr K Pavitt	Mr M Woodward
Mr M Gates, Blue Ray Charters	Ms J Peters	www.ScubaTec.co.uk

And a big thank you to all our volunteers whose help and support have enabled us to achieve the project results that have been outlined in this report.



Hampshire County Council



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