

A Year In Depth Maritime Archaeology Trust 2022

Front cover: MAT archaeologist recording anchors from the wrecked Nossa Senhora do Monte do Carmo, Madagascar. Image: Peacock worm on one of the Ribadeo wrecks.

President

Nigel Atkinson Esq, HM Lord Lieutenant of Hampshire

Vice Presidents

Cdr. John M. Bingeman, CEng, MIMechE, FSNR, RN; Sir Martin S. White, KCVO, CB, CBE; Mr Aldred Drummond; Mrs Susie Sheldon, HM Lord-Lieutenant of the Isle of Wight

Patrons

Mr M.P. Aiken; Mr A. Williams, OBE; Mr A. Titchmarsh, MBE, VMH, DL; Mr M. Jay, CBE, DL; The Lord Montagu of Beaulieu; Mr N. de Rothschild, MA; Mr C.D.J. Bland, JP; Mr A. Welch; Mr D. Snow; Mr C. Andreae; Mr E. S. Fort OBE; Mr N. Jellicoe; The Hon. M. Montagu-Scott, DL

Management Committee

Alderman M. Woodhall (representing Hampshire County Council); Mr M. Waterhouse; Mrs V. Fenwick; Dr N. C. Flemming; Mr F. Green; Mrs L. Barron; Mr P. Shears; Cllr K. Barrett (Observer) until May 2022; Cllr I. Holder (Observer) from May 2022

Maritime Archaeology Trust Officers

Garry Momber, BA (Hons), MSc, MCIfA, FSUT, FSA. Director; Julie Satchell, BA (Hons), MA, MCIfA, FSA. Head of Research

Maritime Archaeology Trust 2022

The year began with Council for British Archaeology, Archaeological Achievement Award, then by the spring of 2022, Covid restrictions eased and MAT activities were full steam ahead. The Discovery Bus was back on the road to begin a tour across the south of the UK and across the Channel. The tour, to celebrate our 30th year of operation, was launched by Nigel Atkinson Esq., our President and Lord Lieutenant of Hampshire, before heading to the Isle of Wight, where Susie Sheldon, our Vice President and Lord Lieutenant of the Isle of Wight, inaugurated the first Discovery Bus event in East Cowes. The Bus has since been to the Netherlands, Belgium, France, Essex, Cornwall and Hampshire, as part of the European Sustainable and Resilient Coastal Cities (SARCC) project; it has also delivered activities supported by the Charles Burnett Memorial Fund and for the National Lottery Heritage Funded, Fathoming the Future project. These outreach initiatives have been supported by dozens of volunteers and budding archaeologists, including participants within our innovative Waves of Change project that provided opportunities to young adults aspiring to learn new skills.

Other overseas assignments that had lain dormant were revived. In April, MAT staff joined an expedition to Uruguay to investigate the wreck of Nelson's favourite ship, HMS Agamemnon. The project was instigated by our Patron, the Hon. Mary Montagu-Scott DL, who is also the Director of Buckler's Hard, being the 17th century shipyard that built the vessel. It was led by the University of Southampton in liaison with Uruguayan authorities and Oceanids. In May, we worked with the Marovany Association in Madagascar where three wrecks were surveyed to enhance their protection and aid eco-tourism. In June, we joined a team from CSIC (the Spanish National Research Council) and Archeonauta to investigate newly discovered wreck sites off Ribadeo, Spain. MAT projects were presented at the International Congress for Underwater Archaeology Conference in Helsinki, at the International Symposium on Boat and Ship Archaeology, Croatia, at a UNESCO conference in Turkey and at the UN Oceans conference in Portugal. These international events explored the links between maritime archaeology and the UN Decade of Ocean Science.

Back in the Solent region, MAT was part of the team that has been working on two newly discovered significant wrecks on the Shingles Bank that attracted national media coverage when they were given Protected status in July. Meanwhile, work continued on the Mesolithic site at Bouldnor Cliff with the help of the Scorpion Trust and we investigated Roman posts off Weston Marsh, on the Northwest shores of the Solent, with the help of Galvin Weston and local philanthropic donations. We have begun an Arts and Humanites Council funded project looking at digital maritime data, connectivity and accessibility with a focus on the Needles, and have been collecting oral histories from pioneering maritime archaeologists as part of the Honor Frost Foundation, Listening to our Past project. Further afield, we investigated a wreck in the Duddon Estuary, Cumbria on behalf of Historic England and also conducted survey on the wreck of the historically important *Gloucester* that attracted a great deal of international media attention on the 340th anniversary of its loss off the Norfolk coast in 1682.

Early in August, we received confirmation that the Shipwreck Centre and Maritime Museum was awarded full accreditation by the Arts Council. This success, plus all the projects outlined within this report have advanced our objectives to investigate, engage, promote and protect. This means we better understand the world of our forebears. Long-term archaeological evidence allows us to calibrate patterns of social and environmental change from which we can draw wisdom from hindsight, setting us up to face the challenges that lie ahead.

The work outlined within this report was possible thanks to the support of organisations that provided funding and logistical help. I would like to thank the many individuals for their donations and for volunteering hundreds of hours of their time. I wish to thank members of the Management Committee, our Trustees, for their guidance and support and, I would particularly like to mark the Trust's thanks to Garry Momber our Director and to all our members of staff for their vital work on research, income generation and dissemination in these challenging times.

Chairman - Honorary Alderman M. Woodhall, BEM FRICS

Impactful Investigations

It has been a highly productive year for survey, recording and excavation of maritime sites spanning over 8,000 years of human interaction with the sea and representing remains located around the globe. Here we present some of the fascinating new discoveries from the Solent and further afield which are adding significantly to maritime archaeological knowledge and understanding.

North West Solent Prehistory

Work on several sites within the drowned landscape of the western Solent has included diving at the unique 8,000 year old submerged Mesolithic site at Bouldnor Cliff where investigations are monitoring change as the underwater deposits that protect the site are eroded. New sedaDNA analysis has revealed a more comprehensive range of flora and fauna from the site, while photogrammetry survey has delivered 3D models to quantify the changing seabed. Hundreds of at risk, newly exposed flints and wooden features have been rescued and recovered.

To the northern side of the Solent at Weston Marsh, the archaeological structures revealed as the beach sediments are lost, are eroding rapidly. An arrangement of posts in the intertidal zone have been radiocarbon dated to between 255 and 418 AD, indicating a late Roman date. These are particularly vulnerable, so a trial excavation at the site and the recovery of posts has been conducted to provide a better understanding of the feature which could relate to fishing activity.

Incredibly Rare Anchor

MAT's consultancy company which focuses on marine development control work – Maritime Archaeology Ltd – is involved in a wide range of offshore wind farm projects during which wrecks and features that could be impacted are surveyed and, where required, investigated further. A survey anomaly found within the East Anglia ONE wind farm developed by Scottish Power Renewables proved to be particularly special as it is an anchor believed to date from the Roman period. This has been recovered and is now being conserved before heading to a permanent home with Ipswich Museum.

Top right: Roman post from Weston Marsh. Bottom right: Maritime Archaeology Ltd team member Heather Anderson photographing the anchor.





Stunning Shingles Shipwrecks

It has been a pleasure to be involved in work on two shipwrecks on the Shingles Bank, newly discovered by Isle of Wight divers Martin Pritchard and Dave Fox. Wreck NW68 is thought to be a 17th century armed ship likely to be Dutch, and NW96 a 15th or 16th century merchant ship carrying a cargo of lead ingots with very unusual stamped markings on them. The importance and rarity of these sites has been recognised through their designation under the Protection of Wrecks Act. Future investigation will gather more data and seek to identify them.

Gloucester

Press coverage of the announcement that the wreck of *Gloucester*, sunk in 1682 off the Norfolk coast, had been discovered demonstrates the power of shipwreck stories for sparking public interest. The ship had been carrying the future King of England – James Stuart – when it hit a sandbank, an event that had been witnessed from another ship by Samuel Pepys. Responding to a request from Norfolk Museums, MAT has assisted with seabed recording of the remains and with a 3D model of the site for a display at Norwich Castle in early 2023.

HMS Agamemnon

The remains of HMS Agamemnon, which was Nelson's favourite warship, lie in the River Plate in Uruguay. MAT was delighted to be part of an international team coordinated by our Patron the Hon. Mary Montagu-Scott, DL, which travelled to Uruguay to assess and survey the site. An exhibition titled 'Navigating the Legend' was opened at Buckler's Hard this year. It was from here that the ship was built and launched from in 1781.



Top down: We welcomed our patrons Dan Snow and the Hon. Mary Montagu-Scott, DL, to join the Bouldnor Cliff team this year - left to right; Heather Anderson, Garry Momber, Jan Gillespie and Jane Maddocks. Bronze cannon from the NW68 Shingles Wreck. Julian and Lincoln Barnwell measuring a cannon on the wreck of the Gloucester. Uruguay Ambassador César Rodriguez Zavalla with Buckler's Hard Director, the Hon. Mary Montagu-Scott, DL, at the launch of the Agamemnon exhibit.

Enjoyable and Educational Engagement!

One of the key objectives of MAT is to engage as wide a range of audiences with maritime archaeology and heritage as possible. Over the past year, thanks to a number of innovative projects, we have been able to push forward with involving under represented people and communities with archives, digital technology and developing 3D modelling and promotion.

Fathoming the Future

Thanks to the National Lottery Heritage Fund the Fathoming the Future: Promoting Digital Engagement with Maritime Archaeology to Develop Resilience project is focusing on using our archive and collections – data, drawings, photos, video, and 3D models of sites, landscapes and artefacts - gathered over the past 30 years, to tell new stories through exciting digital resources. It involves volunteers, both in-person and remotely, with a range of tasks including digitising and cataloguing archive material and undertaking research, creating digital resources such as 3D models, online tours, and audio stories. This information is being used to delve into stories from how prehistoric people lived at times of lower sea level, through to global ships, seafaring, and life at sea. We are also looking at how archaeologists work with techniques and methods from the depths of the underwater world through to detailed laboratory analysis.

Just some of the digital resources now available include videos, blogs, wreck tours and online talks, with many more in development. These stories are attracting new visitors to our website and online resources. We are also using the Discovery Bus to take digital resources out into communities and provide new digital trails during open days at the Shipwreck Centre and Maritime Museum.

Waves of Change

Following delays caused by Covid, it was possible to re-start our Waves of Change project workshops which are available to 16-25 year olds from Hampshire to develop skills relevant for future employment. The sessions provide hands-on experience of using cuttingedge technology within maritime archaeology and include photogrammetry, drone flying, diving and digital resources for interpretation and communicating



Top to bottom: A photogrammetry workshop for volunteers. A volunteer recording an audio article. A young visitor to the Shipwreck Centre & Maritime Museum trying the virtual reality headset. Waves of Change participants learn to fly a drone. Right, bottom: 3D model of a log boat from Ribadeo. results to different audiences. Participants developed transferable technical and IT skills and an understanding of their applications, as well as working on soft skills such as communication, organisation, confidence, and teamwork. Feedback from participants was very positive; just one example: *"Really informative and knowledgeable while still being fun and interesting"*.

Madagascar's Maritime Marvels

As part of the Rising from the Depths network, which promotes using maritime cultural heritage to help develop sustainable social, economic and cultural benefits in East Africa, MAT had the privilege of travelling to Madagascar to work with the Marovany Association. Three shipwrecks in Salary Bay, off the southwest coast of the island, were recorded with the aim of involving local fishing communities with the sites to help protect them and encourage engagement through tourism. Using photogrammetry, 3D models were produced of the Nossa Senhora do Monte do Carmo, lost in 1774, the Winterton, lost in 1782, and the Surprise, lost in 1885. A key achievement was to train members of the Marovany Association so they could continue the work for the future.

Wrecks of Ribadeo

There was further international engagement with colleagues in Galicia for the fourth phase of the diving project on the remains of the galleon *Santiago de Galicia*, a 16th century ship located outside Ribadeo, Spain. Work included the study and analysis of a number of exciting new sites and artefacts close to the wreck and developing understanding of the marine dynamics impacting the port.



Top to bottom: : MAT archaeologist on the anchor from the Winterton wreck, Madagascar. Cannon on the wreck of the Nossa Senhora do Monte do Carmo. Archaeologist investigating the Ribadeo log boat. Archaeologists using an air lift on one of the Ribadeo wrecks.



A Year Mapped

Left to right: MAT Director Garry Momber excavating Roman posts before they are lost to erosion. Visitors to the Discovery Bus. Cameraman Mike Pitts with a worked flint rescued from Bouldnor Cliff.



41 volunteers contributed 291 days.



17,772 social media followers and 723,825 impressions across platforms.



20,863 website visitors, 8 online talks and 23 new blogs.









MAT represented at events attended by 489,000 people.



10,218 came aboard the Discovery Bus, including 1,110 school children.



5,931 visitors to the Shipwreck Centre, as well as 150 school children.



From local to global reaching audiences across 11 countries with outreach, events, meetings, conferences and fieldwork.

Supporting Us

The MAT is a charity and relies on the support of trusts, foundations, funding bodies, companies, organisations and the general public in order to continue our work. If you would like to support us, please visit: www.maritimearchaeologytrust.org/support-us



@maritimearchaeologytrust

ရှိရှိ

9 9

@maritimearchaeologytrust

71





youtube.com/hwtma

Promoting Maritime Archaeology for All

MAT believes that being located under the water or in the intertidal zone should not be a barrier for access to our fascinating and fragile maritime cultural heritage. Through a range of methods and outlets we provide opportunities to explore, enjoy and develop understanding of our maritime past.

MAT on Tour

After a number of years parked up due to Covid, our Discovery Bus has been out in force as part of our 'MAT on Tour' programme. This fully accessible mobile facility makes it possible to share archaeological discoveries through digital touch screens, video, activities and accessible resources. Following a public fundraising campaign, the tour was able to set off from the National Oceanography Centre where our President, Nigel Atkinson Esg. Lord Lieutenant of Hampshire, officiated over its 'launch'. The bus has visited public events, schools, colleges, town squares and museums around the south coast of the UK, receiving an extra boost with support from the Charles Burnett Foundation. It has also been used in support of project delivery, taking out digital resources with the Fathoming the Future project and through a major tour for the SARCC (Sustainable and Resilient Coastal Cities) project, which included multiple stops in France, Belgium and the Netherlands. During the year over 10,000 people were welcomed onto the bus to use the resources, while over 400,000 visitors at events engaged with information on maritime heritage.

> Top to bottom: The Discovery Bus in Bruges. A young visitor exploring artefacts on the Discovery Bus with Jasmine Noble-Shelley. Visitors to the Shipwreck Centre and Maritime Museum. Right: The Needles, Isle of Wight.



Shipwreck Centre and Maritime Museum – Accreditation Success

A busy season at the Shipwreck Centre (SWC) has welcomed almost 6,000 people through the doors, delivered themed activity and event days and hosted 150 school children for sessions. They were able to experience new displays developed over winter which included more Mesolithic timbers and artefacts from the submerged occupation site of Bouldnor Cliff and new access to outputs from the SARCC project. Through the project Periscopes and Propellors: Presenting the Submarine Heritage of the Isle of Wight, it was possible to design new interpretation for the *A1* submarine and enhance available information on other submarines represented at the Centre. The SWC website continues to be updated with fascinating blog articles and social media is attracting more followers through regular updates and 'Wreck of the Month' features.

In August we received the exciting news that we had been awarded full accreditation under the Arts Council England on behalf of the UK Accreditation Partnership. This is a benchmark for well-run museums and we are proud to have been recognised as reaching these high standards for management of the collection, sharing it with visitors and keeping it safe for future generations.

Unpath'd Waters: MAT Needles Viewer

MAT is thrilled to be involved in a new consortium project Unpath'd Waters: Marine and Maritime Collections in the UK. It is one of five projects being funded by the Arts and Humanities Research Council as part of its Towards a National Collection programme. The project brings together over twenty heritage organisations and aims to increase interaction with the UK's maritime past by making it easier to research and easier for the public to discover and share stories in new ways.

MAT's focus is on developing approaches for people to engage with shipwrecks, testing how to connect collections from surveys, artefacts, images, documents and samples through creating an immersive digital experience to enable everyone to view maritime data and archive material related to the wrecks and associated heritage around the Needles, Isle of Wight.



Effective Approaches for Protecting the Past

MAT champions and supports the protection of maritime cultural heritage for current and future generations. During the past year we have been achieving this through representation on, and presentations at, national and international forums and through a range of projects which test and develop management approaches and which seek to secure long-term archiving of important maritime archaeological records.

United Nations Decade of Ocean Science

With the Decade of Ocean Science (2021-30) now well underway, MAT is actively supporting the inclusion of Underwater Cultural Heritage (UCH) as it has high potential to add to the UN sustainable development goals (SDGs) which frame the decade objectives - particularly SDG 14 'Life Below Water'. Through our status as an accredited NGO within the UNESCO 2001 Convention on the Protection of Underwater Cultural Heritage, we are supporting initiatives on sharing data on maritime specialists and projects through a database which will form the basis of an online accessible resource. We were also able to emphasise the importance of UCH in wider management and ocean literacy through presentations at the UNESCO meeting on Mobilising Civil Society and the Scientific Community for the Cultural Heritage of the Oceans in Turkey and the UN Oceans Conference in Portugal.

SARCC: A New View of Coastal Management

The final year of the SARCC project - Sustainable and Resilient Coastal Cities - has made available a new range of outputs. This partnership project, funded by the Interreg 2 Seas programme 2014-2020; co-funded by the European Regional Development Fund under subsidy contract No2S06-050, considers how nature-based solutions (NBS) for coastal management can be used in urban areas. It brings together 14 project partners in four countries, working on seven pilot sites. MAT's work has shown how archaeological,



Top to bottom: The MAT team – left to right: Jan Gillespie, Christin Heamagi, Lauren Nagler, and Jasmine Noble-Shelley, by Weston Marshes recording and rescuing an at-risk Roman site. MAT Director Garry Momber speaking at a UNESCO conference in Turkey. Exploring the Honor Frost archive at the Special Collections, University of Southampton – image courtesy of the Honor Frost Foundation.

historical and artistic evidence can be used to inform on long-term coastal change, the results of which are required for understanding the processes impacting areas where new coastal protection measures are being designed. We have delivered an innovative new online visualisation tool which showcases the project and acts as a toolkit for those interested in the application of NBS; this can be accessed via the project website: *www.sarcc.eu*

Recognising that new approaches to coastal management have a direct impact on those communities living by the sea, the project delivered an extensive 'Roadshow'. This drew on our experience with public outreach and used the MAT Discovery Bus at events in France, Belgium, the Netherlands and the UK, where the visualisation tool was presented and surveys and engagement with local residents undertaken.

Listening to Our Past: Recording the History of Maritime Archaeology

MAT is using our experience with maritime archives to deliver a new project, Listening to Our Past, working with the Honor Frost Foundation (HFF) to collect oral histories from individuals who have contributed to the development of maritime archaeology. This is one of a number of projects the HFF is undertaking to understand histories of the discipline. Recordings are capturing memories of the earlier decades of maritime archaeology, where rapid transformations were occurring, to document this important period directly from those involved. We are also collecting information on personal archive holdings which may require a long term home in the future. The recordings are being deposited with the Southampton University Library Maritime Archaeology Special Collection, with plans for making them publicly accessible online also being developed.



Below: The SARCC Interactive Visualisation Tool, accessible through the SARCC website.

Making a Splash! Awards and Media

Image: Presenter Steve Backshall and MAT Director Garry Momber examining flints from Bouldnor Cliff.



Archaeological Achievement Award Commendation

We were delighted that our D-Day Stories from the Wall project received a Highly Commended Award in the category for Engagement and Participation at the 2021 Archaeological Achievement Awards. It wouldn't have been possible to deliver the project without the help of the many volunteers that were involved. This Award is a credit to all their input to help tell the stories of the soldiers who inscribed their names on the wall on their way through Southampton to the battle fields on the continent. Discover more about the project: www.maritimearchaeologytrust.org/ddaywalls

Lights, Camera, Action...

Coverage of the submerged Mesolithic site at Bouldnor Cliff has included prime time programming! BBC2's Digging for Britain had filmed out on the dive boat with the MAT team and then followed the story of sediment samples being analysed for DNA traces. Dr Cat Jarman described the site and the material coming from it as 'spectacular and unexpected'. The story was also mentioned on BBC Radio2 by presenter Alice Roberts on the Steve Wright show and across various national newspapers. We also welcomed Steve Backshall and a film crew out diving at Bouldnor Cliff this year as there are plans to include the site in a new series that will be released next year.



The MAT is a Registered Organisation with the Chartered Institute for Archaeologists (CIfA) and is Accredited to the Governing Bodies of the 2001 UNESCO Convention on the Protection of Underwater Cultural Heritage.



National Oceanography Centre, Southampton UNIVERSITY OF SOUTHAMPTON AND NATURAL ENVIRONMENT RESEARCH COUNCIL







FOUNDATION

Interreg

SARCC

2 Seas Mers Zeeën

Supporters

Adrian Swire Charitable Trust - Chris Andreae - Beaulieu Estate Beaulieu Beaufort Foundation - Beaverbrook Foundation - Roger Burns British Ocean Sediment Core Research Facility Caroline Montagu-Weston Fund - Charles Burnett Memorial Fund - Paul Clarke Department for Education/Arts Council England, Museums & Schools Programme Doris Campbell Memorial Fund - Edward Fort Foundation Eloise Showering and family - Exbury Estate Fawley Waterside and the Cadland Estate Google (Ad Words) - Greaves2connections.com - Jim Ratcliffe Lady Edwina Grosvenor - Hampshire and Isle of Wight Community Foundation Herapath Shenton Trust - Honor Frost Foundation - Steven Hubbard Isle of Wight Council Covid-19 Support - Pete Jones - The de Laszlo Foundation Mapbox - Mark Knopfler - Maritime Archaeology Sea Trust - Microsoft Hon. M. Montagu-Scott, DL - Orcalight - Rowan Bentall Trust Scorpion Charitable Trust - SketchFab - Solent Protection Society Southampton City Council - Southampton City Council Covid-19 Support South East Museums Development Programme - University of Southampton Dave Wendes & Wight Spirit - Galvin Weston - Martin Woodward Richard Wyatt - UK Global Challenges Research Fund UK Research and Innovation's (UKRI) Strategic Priorities Fund (delivered by the Arts and Humanities Research Council)

Maritime Archaeology Trust Project Staff

Heather Anderson - Sally Bennetts - Polly Buckingham - Greta Clarke Jan Gillespie - Christin Heamagi - Brandon Mason Lauren Nagler - Jasmine Noble-Shelley

Shipwreck Centre Staff

Helen Woodward - Izzy Tutle

And of course a big thank you to all our volunteers, without whom we could not achieve what we do. Find out more about the work of volunteers and how you can become involved at:

www.maritimearchaeologytrust.org/support-us/volunteering



Promoting interest, research and knowledge of maritime archaeology and heritage

Maritime archaeological discoveries offer new perspectives on human history and the marine environment from the earliest of times. For more than 30 years, the Maritime Archaeology Trust has provided rare opportunities for active involvement in archaeology under water, on the foreshore, along the coast and through research in archives, museums and from home. We remove barriers to access, raising the profile and understanding of our fascinating maritime heritage through education and outreach activities in schools, colleges, outdoor learning and public events, a museum on the Isle of Wight, touring exhibitions, our mobile Discovery Bus, publications, leaflets, and a whole host of online digital resources.

The Maritime Archaeology Trust objectives are to:

Investigate: maritime, coastal and underwater archaeology

Engage: people, communities and schools through involvement, enjoyment and education

Promote: hard to reach and inaccessible maritime heritage

Protect: through supporting heritage management for current and future generations

Maritime Archaeology Trust Charity Registration Number: 900025 Company Limited by Guarantee Registered in England - Number: 2394244 National Oceanography Centre, Room 014/11, Empress Dock, Southampton. SO14 3ZH Telephone: 02380 593290 Email: info@maritimearchaeologytrust.org

Bankers: Lloyds Bank PLC, 49 High Street, Winchester Accountants: Morris Crocker Ltd, Station House, 50 North Street, Havant

> Facebook: @maritimearchaeologytrust Twitter: @maritimetrust Instagram: maritimearchaeologytrust