

**COMMONWEALTH OF MASSACHUSETTS  
BOARD OF UNDERWATER ARCHAEOLOGICAL RESOURCES  
FINAL MINUTES OF PUBLIC MEETING – SEPTEMBER 26, 2024**

**MEMBERS PRESENT:**

**Jack Chapin\*** (Designee of Shaun Santos, Director of Environmental Law Enforcement)  
**Justin Malcolm\*** (Designee of Brona Simon, State Archaeologist)  
**Vincent Malkoski\*** (Gubernatorial Appointee, Dive Community Representative [organization])  
**Mark McClanan\*** (Gubernatorial Appointee, Dive Community Representative [at-large])  
**Graham McKay\*** (Gubernatorial Appointee, Marine Archaeologist [at-large])  
**Jonathan Patton\*** (Designee of Gregory Robbins, Director of DCR Division of Waterways)  
**Daniel Sampson\*** (Designee of Alison Brizius, Director of Coastal Zone Management)  
**John Warner\*** (State Archivist)  
(\*present via remote access)

**David Robinson**, Director (Staff for the Board)

**MEMBERS ABSENT:**

**Designee of Brona Simon** (Executive Director, Massachusetts Historical Commission)

**PROCEEDINGS:**

This hybrid-format (i.e., in-person and remote-access) public meeting of the Massachusetts Board of Underwater Archaeological Resources (the Board or BUAR) was convened by its Director, David Robinson (Dave R), at 12:34 PM on September 26, 2024 in the 9<sup>th</sup> floor large conference room at 100 Cambridge Street, Suite 900, in Boston, with a quorum of eight (8) current members of the Board in attendance remotely, as confirmed by a roll-call.

The purpose of this public meeting was to conduct the BUAR's business that required the involvement of the full Board.

**Items on the agenda included:**

- approval of the July 25, 2024 Board meeting's minutes
- the Director's report
- Board Member reports
- a summary of the Board's Public Engagement Activities
- Old Business, and
- New Business.

Dave R explained that this meeting's hybrid format conformed with the Commonwealth's temporary provisions (effective through March 31, 2025) pertaining to the Open Meeting Law that were signed by Governor Healey on March 29, 2023. This temporary provision allows public bodies to continue holding their meetings remotely without a quorum of the public body physically present at a meeting location, and to provide "adequate, alternative" access to remote meetings. Board votes taken during this hybrid-format meeting were conducted through a roll-call, as required by MGL c. 30A, ss. 18-25.

Meeting ground-rules were reviewed by Dave R, and Board members, prospective permittees, and members of the public were all welcomed to the meeting.

**1. MINUTES**

**A. Minutes of the July 25, 2024 Meeting of the Board**

Dave R asked if the Board had any comments or corrections to the draft minutes of the Board's July 25, 2024 public meeting. There were no comments or corrections to the minutes.

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Vincent Malkoski moved to accept the minutes of the Board's July 25, 2024 public meeting. Daniel Sampson seconded. Unanimous in favor by a roll-call vote\* (\*without Graham McKay voting due to his temporary remote-access drop-off between 12:40 and 12:43 pm). So voted.

**\*\*\*Change in the Order of Business**

Due to the full agenda for the meeting, Dave R as Chair changed the order of business to move directly to the agenda's Old Business and New Business action items. These agenda items were then followed by the remainder of the Director's Report, Board Member Reports, and a summary of the Board's Public Engagement Activities since its July 25, 2024 meeting.

**2. OLD BUSINESS**

**A. Stephen D. Butz (SUP 23-001), Quabbin Reservoir, New Salem**

Stephen D. Butz's Special Use Permit (23-001) for his Quabbin Reservoir site in New Salem was up for renewal. Mr. Butz contacted the Board's staff to inform them that his dissertation project was completed without fieldwork needing to be conducted within his BUAR permit area, and that he would not be renewing or requesting an extension of this permit. This permit was set to naturally expire on September 28, 2024. Mr. Butz said he would provide the Board with a .pdf copy of his dissertation upon its approval by his dissertation committee. There was no further discussion. The Board\*\* considers this permit complete.

(\*\*Board member, Graham McKay, returned to meeting)

**B. Commonwealth Heritage Group, Inc. (SUP 22-003), Lowell Area Gas Modernization Project (Middlesex Canal), Lowell**

Commonwealth Heritage Group, Inc.'s (or CHG) Special Use Permit (22-003) for archaeological monitoring and documentation, as well as the recovery of artifacts, prior to and during construction activities associated with the Lowell Area Gas Modernization Project area of potential effect within two canal crossing areas (in Wetland W-2 and near Wetland W-5) of the Middlesex Canal in Lowell, was up for renewal. CHG did not submit an application for renewal or request an extension; however, it was the Board's understanding that project fieldwork was complete and the report is forthcoming. Consequently, Dave R recommended the Board extend the permit's expiration date until its next regularly scheduled meeting. CHG's Principal Investigator on the Project, Martin Dudek, was not in attendance to represent this permit. There was no further discussion.

Vincent Malkoski moved to grant Commonwealth Heritage Group, Inc. an extension of the expiration date of their Special Use Permit (22-003) for the Lowell Area Gas Modernization Project's area of potential effect within two canal crossing areas (in Wetland W-2 and near Wetland W-5) of the Middlesex Canal in Lowell, with all standard and special conditions in effect, until the next meeting of the Board on December 5, 2024. Jack Chapin seconded. Unanimous in favor by a roll-call vote. So voted.

**C. Gray & Pape, Inc. (SUP 17-003), Vineyard Wind I Project, State Waters of Nantucket Sound, Barnstable, Martha's Vineyard, Nantucket, and Yarmouth**

Gray & Pape, Inc.'s Special Use Permit (17-003) for their Vineyard Wind I Project area in the state waters portion of Nantucket Sound in Barnstable, Martha's Vineyard, Nantucket, and Yarmouth was up for renewal. Gray & Pape, Inc. submitted a complete renewal application and Annual Report in accordance with the Board's regulations. Gray & Pape, Inc.'s Dr. Cynthia Fadem was in attendance remotely to represent this permit. Dr. Fadem noted that the Project's Unanticipated Discovery Plan was in effect and being implemented during construction. There was no further discussion.

Graham McKay moved to renew Gray & Pape, Inc.'s Special Use Permit (17-003) for their Vineyard Wind I Project area in the state waters portion of Nantucket Sound in Barnstable, Martha's Vineyard,

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Nantucket, and Yarmouth, with all standard and special conditions in effect for the period of one year with its new expiration date set as September 26, 2025. Daniel Sampson seconded. Unanimous in favor by a roll-call vote. So voted.

**D. Gray & Pape, Inc. (SUP 21-003), Eversource Energy 5<sup>th</sup> Cable Project, Vineyard Sound, Falmouth to Oak Bluffs**

Gray & Pape, Inc.'s SUP (21-003) for their Eversource Energy 5th Cable Project in Vineyard Sound between Falmouth and Oak Bluffs was up for renewal. Gray & Pape, Inc. submitted a complete renewal application and Annual Report in accordance with the Board's regulations. Gray & Pape, Inc.'s Dr. Cynthia Fadem was in attendance remotely to represent this permit. There was no further discussion.

Justin Malcolm moved to renew the Gray & Pape, Inc.'s Special Use Permit (21-003) for their Eversource Energy 5th Cable Project in Vineyard Sound between Falmouth and Oak Bluffs, with all standard and special conditions in effect for the period of one year with its new expiration date set as September 26, 2025. Graham McKay seconded. Unanimous in favor by a roll-call vote. So voted.

**E. Gray & Pape, Inc. (SUP 21-004), Eversource Energy #91 Replacement Cable Project, Vineyard Sound, Falmouth to Tisbury**

Gray & Pape, Inc.'s Special Use Permit (21-004) for their Eversource Energy #91 Replacement Cable Project in Vineyard Sound from Falmouth to Tisbury was up for renewal. Gray & Pape, Inc. submitted a complete renewal application and Annual Report in accordance with the Board's regulations. Gray & Pape, Inc.'s Dr. Cynthia Fadem was in attendance remotely to represent this permit. There was no further discussion.

Jack Chapin moved to renew Gray & Pape, Inc.'s Special Use Permit (21-004) for their Eversource Energy #91 Replacement Cable Project in Vineyard Sound between Falmouth and Tisbury with all standard and special conditions in effect for the period of one year with its new expiration date set as September 26, 2025. Vinicent Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**F. Hassanamisco Nipmuc Council (REC 22-005), Project Mishoon, Lake Quinsigamond and Flint Pond, Shrewsbury and Worcester**

The Hassanamisco Nipmuc Council's (or the Council's) Reconnaissance Permit (22-005) for its "Project Mishoon" permit area in Lake Quinsigamond and Flint Pond in Shrewsbury and Worcester was up for renewal. The Board's Director granted the Council an administrative extension of this permit's expiration date to July 25, 2024, due to the rescheduling of the Board's May 30, 2024 regular public meeting. This administrative extension was followed by an extension requested by Project Mishoon's Director, Cheryl Stedtler, which was approved unanimously by the Board at its July 25, 2024 meeting, thereby extending the permit's expiration date to September 26, 2024. Ms. Stedtler and the Council submitted a complete renewal application, fee payment, and Annual Report in accordance with the Board's regulations. Ms. Stedtler and Project Mishoon's Archaeologist, Victor Mastone, were in attendance remotely and in-person, respectively, to represent this permit. Ms. Stedtler reported that there have been significant high-level discussions within the Tribal community about what would be involved in each of the long-term preservation tracks for the mishoonash – that is, preservation-in-place v. recovery, conservation, and curation. There is now a greater understanding about what is involved. The Tribe is not interested in conservation techniques that will leave chemicals in the treated mishoon (e.g., PEG or silicone treatment), but are interested in more natural preservation techniques (e.g., freeze-drying, honey/sugar, or pine-rosin). Ms. Stedtler noted that the Tribe's recent mishoon-making project was effective in bringing together and raising awareness among the public and Tribal communities, alike, who observed or participated in the project, and, in the process, were reintroduced to the waters of Flint Pond and Lake Quinsigamond and the tradition of mishoon-making there. Ms. Stedtler and Mr. Mastone discussed the project's near-term goal of completing an ROV survey of the mishoonash this autumn to assess their condition, which they hoped to conduct before the lake's "drawdown" in October with the assistance of Woods Hole Oceanographic Institution marine archaeologist, Dr. Calvin Mires. Dave R noted that the Board was available to provide logistical assistance as needed for

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the planned fieldwork and asked that the Board be provided with the planned fieldwork dates once scheduled. There was no further discussion.

Graham McKay moved to renew the Hassanamisco Nipmuc Council's Reconnaissance Permit (22-005) for its Project Mishoon permit area in Lake Quinsigamond and Flint Pond in Shrewsbury and Worcester, with all standard and special conditions in effect, for the period of one year, retroactive to the permit's original expiration date of May 30, 2024, with its new expiration date set as May 30, 2025. Justin Malcolm seconded. Unanimous in favor by a roll-call vote. So voted.

**G. North Atlantic Dive Expeditions (REC 17-004), Gloucester**

North Atlantic Dive Expeditions' (or NADE's) Reconnaissance Permit (17-004) for their Gloucester site was up for renewal. The Board's Director granted NADE an administrative extension of this permit's expiration date to July 25, 2024, due to the rescheduling of the Board's May 30, 2024 regular public meeting. This administrative extension was followed by an extension request by NADE's Heather Knowles, which was approved unanimously by the Board at its July 25, 2024 meeting, thereby extending the permit's expiration date to September 26, 2024. Ms. Knowles requested a second extension of the permit's expiration date until the Board's next regularly scheduled public meeting on December 5, 2024. NADE has been an active permittee who has done significant fieldwork and public outreach for their project and has repeatedly provided high-quality, comprehensive, annual reports to the Board. The Board has previously granted up to two extensions of a permit's expiration date within a given permit year. This would be this permit's second (and final) requested extension. Ms. Knowles was not in attendance to represent this permit. There was no further discussion.

Vincent Malkoski moved to extend for a second (and final) time the expiration date of North Atlantic Dive Expeditions' Reconnaissance Permit (17-004) for their Gloucester site, with all standard and special conditions in effect, until the next regularly scheduled meeting of the Board. Justin Malcolm seconded. Unanimous in favor by a roll-call vote. So voted.

**H. PAL (SUP 16-003) New Bedford Harbor Superfund Site Intertidal Project Area, Acushnet, Fairhaven, New Bedford**

The Public Archaeology Laboratory, Inc.'s (or PAL's) Special Use Permit (16-003) for the New Bedford Harbor Superfund Site's intertidal project area in Acushnet, Fairhaven, and New Bedford was up for renewal. No BUAR-permitted archaeological fieldwork was undertaken during the past several years and no future work is anticipated within the project area. The Board's staff was informed by the US EPA's contracted Site Manager, Joshua Cummings, of Jacobs Engineering, Inc., that PAL's work in the project's intertidal zone is complete and that the permit did not need to be renewed. Consequently, this permit will expire naturally on September 28, 2024. This project and permit are considered complete.

**I. PAL (SUP 21-002) Town River Restoration-High Street Dam and Bridge Removal, Bridgewater**

PAL's Special Use Permit (21-002) for the construction phase archaeological monitoring and walkover (reconnaissance) survey of the Town River Restoration-High Street Dam and Bridge Removal Project area in Bridgewater was up for renewal. PAL's principal investigator for the project, Suzanne Cherau, submitted a request for the permit's expiration to be extended until the Board's next regularly-scheduled public meeting. The Board has previously granted up to two extensions of a permit's expiration date within a given permit year. This would be this permit's first extension. Ms. Cherau was in attendance remotely to represent this permit. Ms. Cherau reported that the project was done, the report was in preparation, and it would be submitted to BUAR within about two months' time. There was no further discussion.

Graham McKay moved to extend the expiration date of PAL's Special Use Permit (21-002) for the Construction Phase-Archaeological Monitoring and Walkover (Reconnaissance) Survey of the Town River Restoration-High Street Dam and Bridge Removal Project area in Bridgewater, with all the standard and special conditions in effect, until the next regularly scheduled meeting of the Board. Vincent Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

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**J. R. Christopher Goodwin & Associates, Inc. (SUP 21-005) SouthCoast (formerly Mayflower) Wind Project's Mount Hope Bay Project Area ("Brayton Point Export Cable Corridor"), Fall River, Somerset, and Swansea**

R. Christopher Goodwin & Associates, Inc.'s (RCG&A) Special Use Permit (21-005) for the state waters portion of the SouthCoast (formerly Mayflower) Wind Project's Mount Hope Bay Area (i.e., the "Brayton Point Export Cable Corridor [ECC]") project area, in Fall River, Somerset, and Swansea, was up for renewal. RCG&A submitted a complete renewal application and an annual report, in accordance with the Board's regulations. RCG&A's Ashley Himmelstein and SouthCoast Wind's Victor Mastone were in attendance remotely and in person, respectively, to represent this permit. There was no further discussion.

Justin Malcolm moved to renew R. Christopher Goodwin & Associates, Inc.'s Special Use Permit (21-005) for the state waters portion of the SouthCoast (formerly Mayflower) Wind Project's Mount Hope Bay Area (i.e., the "Brayton Point Export Cable Corridor [ECC]") project area, in Fall River, Somerset, and Swansea, with all the standard and special conditions in effect, for the period of one year with its new expiration date set as September 26, 2025. Daniel Sampson seconded. Unanimous in favor by a roll-call vote. So voted.

**K. SEARCH, Inc. (SUP 23-002) Neptune Deepwater Port & Submarine Pipeline Decommissioning Project, Atlantic Ocean, Gloucester**

SEARCH, Inc.'s Special Use Permit (23-002) for the marine archaeological assessment of the portion of the Neptune Deepwater Port & Submarine Pipeline Decommissioning project area within Massachusetts state waters of the Atlantic Ocean off Gloucester was up for renewal. SEARCH, Inc.'s Principal Investigator for the project, Benjamin Wells, submitted a request for the permit's expiration to be extended until the Board's next regularly-scheduled public meeting. The Board has previously granted up to two extensions of a permit's expiration date within a given permit year. This would be this permit's first extension. Mr. Wells was not in attendance to represent this permit due to a scheduling conflict he had informed the Board's staff about prior to this meeting. There was no further discussion.

Vincent Malkoski moved to extend the expiration date of SEARCH, Inc.'s Special Use Permit (23-002) for the marine archaeological assessment of the portion of the Neptune Deepwater Port & Submarine Pipeline Decommissioning project area located within Massachusetts state waters of the Atlantic Ocean off Gloucester, with all the standard and special conditions in effect, until the next regularly scheduled meeting of the Board. Daniel Sampson seconded. Unanimous in favor by a roll-call vote. So voted.

**3. NEW BUSINESS**

**A. PAL (SUP 24-007) Forge Pond/Jones River Fish Passage Improvement Project, Kingston**

On August 27, 2024, PAL submitted a Special Use Permit application to the Board to conduct archaeological reconnaissance survey activities within the Forge Pond/Jones River Fish Passage Improvement Project area in Kingston to identify archaeologically sensitive submerged portions of the project area and provide recommendations for further work that may be needed, as described in the application. On August 30, 2024, a letter was sent to PAL confirming that BUAR's Director had reviewed and approved their application, and had issued PAL Provisional Special Use Permit 24-007 for the project, effective on the date of issuance, with formal approval requiring a Board vote at its September 26, 2024 meeting. Ms. Cherau from PAL was in attendance remotely to represent this permit. Ms. Cherau noted the project's overlap with another, separate, but related, improvement project (i.e., culvert replacement by the Town of Kingston) required PAL to coordinate its work with the Town's archaeological consultant for that project (Archaeological Consulting Services, Inc.). There was no further discussion.

Justin Malcolm moved to formerly approve PAL's Special Use Permit (24-007) to conduct archaeological reconnaissance survey activities to identify archaeologically sensitive submerged portions of the Forge Pond/Jones River Fish Passage Improvement Project area in Kingston and provide recommendations for further work that may be needed, as described in PAL's application, with all the

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standard and special conditions in effect. The duration of this permit shall be one year from the date of issuance with its expiration date set as September 26, 2025. Vincent Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**\*\*\*Change in the Order of Business**

As Chair, Dave R again changed the order of business and moved back to the Director's Report, which was then followed by the Board Member Reports, and a summary of the Board's Public Engagement Activities since its July 25, 2024 meeting.

**4. DIRECTOR'S REPORT**

**A. Fieldwork**

- Boston Harbor Signal-Gun Carriage Donation: Dave R reported that he had inadvertently left out of the Board's previous meeting's Director's Report the donation to BUAR of a small wooden gun-carriage. On May 16, 2024, the Board's staff received an email from Herman Gustafson of Pocasset inquiring about the Board's potential interest in a donation of a partially-intact, small, four-wheeled, wooden naval gun-carriage that had been given to him by a friend. This friend's late-husband was a commercial fisherman from Falmouth, who had reportedly dragged the gun-carriage up in his net from the bottom of an unrecorded location in Boston Harbor many years ago. On June 21, 2024, the Board's staff met with Mr. Gustafson to accept the artifact donation. The gun-carriage is of the small size typical for shipboard signal-guns. The carriage's back trucks (wheels) are missing. The carriage's wooden cheeks (i.e., its two sides) are each fashioned from single timbers. The carriage's hardware is bronze and brass. Given that BUAR has no publicly-accessible artifact storage-space and that the gun carriage was recovered from Boston Harbor, the Board's staff coordinated with, and on July 12, 2024 transferred the gun-carriage to, the Boston City Archaeologist's Office (BCAO) for long-term curation. The BCAO has publicly-accessible lab space and a far greater capacity for documenting (using photo-scanning) and curating artifacts than does BUAR. Research by the Board's (and the BCAO's staff) on the possible age and origin of the gun-carriage is underway and a press-release by the BCAO regarding this new addition to their collections is planned for the near future.
- Conomo Point Shipwreck Vandalism: On July 27, 2024, the Board's staff received notification from Essex Deputy Shellfish Constable, Jude Seminara, that the Conomo Point shipwreck, which the BUAR has been monitoring since it was first identified in 2022 by local resident, Steve Cuthbertson, and reported to BUAR by his neighbor and PAL Senior Archaeologist, Dr. Diana Doucette, was being actively vandalized. This vandalism consisted of multiple shovel-excavated pits and removal of a framing timber from the aft starboard side of the hull by a single individual, all of which was observed while taking place by the Essex Deputy Shellfish Constable. The Board's staff coordinated an immediate response with the Deputy Essex Shellfish Constable and with the Essex Police Department, and the vandalism ceased. The Board's staff visited the shipwreck site the following day (July 28, 2024) with the Deputy Essex Shellfish Constable to assess the damage and to return the confiscated hull-timber to its previous location on the wreck. During this visit, local residents with a direct line of sight to the wreck from their property, Aude and Robert Sisk, came out to the site to talk with BUAR's staff and the Deputy Essex Shellfish Constable. The Sisks generously offered to keep an eye on the wreck and report any future suspicious activity to the BUAR. The watchful eyes of local authorities and nearby residents are critical to the protection of publicly-accessible sites like the Conomo Point shipwreck. The Board greatly appreciated the assistance and prompt and effective responses by the Deputy Essex Shellfish Constable and the Essex Police Department, whose swift actions prevented the site from being damaged more significantly.
- Conomo Point Shipwreck Monitoring, Photoscanning, and Site-Mapping Training: On August 23, 2024, the Board's staff coordinated with the Essex Shipbuilding Museum's Executive

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Director, KD Montgomery, and Educator and Shipwright, Jeff Lane, and BUAR permittees, Chuck Zarba and William Gallagher, to plan and conduct photostanning and basic site mapping training at the Conomo Point shipwreck site, as part of BUAR's on-going monitoring of the site's changing conditions. The Essex Shipbuilding Museum has recently begun using photostanning and photogrammetry as a technique for documenting its museum ship, the Essex-built 1927 auxiliary fishing-schooner, *Evelina M. Goulart*. Messrs. Zarba and Gallagher, who were participants in the 2024 MAS/BUAR Photogrammetry Workshop earlier this year, were eager to practice and put to good use their newly-acquired photo-scanning and photogrammetric modeling skills. Mr. Zarba had also requested that the Board's staff provide him with training in basic site mapping to assist him and his project's dive team in documenting underwater archaeological resources within their BUAR permit area. Mr. Gallagher recently produced and shared with the Board's staff his draft 3D photogrammetric digital model of the Conomo Point wreck site and is continuing to work on a final version of this model. As a result of this fieldwork, the Board's staff noted that erosion of sediments around the wreck continues and has exposed more of the hull. New details of the ship's construction are now visible at the bow and stern of the ship. It was confirmed that the hull is listed significantly onto its port side and that the lower side (the Walker's Creek channel side) of the wreck is preserved to the deck level, while the starboard side of the hull is preserved only to the turn-of-the-bilge. Additional monitoring and documentation are planned.

- Essex Bay Shipwreck Site Monitoring Update, Gloucester: At BUAR's July 25, 2024 meeting, the Board's staff reported that on May 7, 2024, BUAR volunteers, Maura and David Alger, had observed and alerted the Board that the mud-flat that the Essex Bay shipwreck had been in was eroded to the point that the wreck was now entirely subtidal at low tide. This observation was confirmed on August 23, 2024 by the wreck's discoverer, Steve Hemeon, who added that the wreck's location was now in the Castle Neck River's channel. On September 5, 2024, Mr. Hemeon reported to the Board's staff that during a moon-low tide at a time of very clear water, he could see that the submerged wreck was still intact and in its originally-reported location. Dave R noted that future site monitoring and documentation of the site by BUAR will require scuba diving.
- Cohasset Historical Society Anchor Documentation, Cohasset: On September 18, 2024, the Board's staff received email notification from Susan Hobson Putziger, Vice President of the Cohasset Historical Society, that the historical society was in possession of a 10 ft 4 in long wrought-iron anchor that had been recovered in the waters off Cohasset by former long-time BUAR permittee, Tom Mulloy, and a request for information about the anchor's possible association with the British brig, *St. John*, that sank off Cohasset in 1849. On September 20, 2024, the Board's staff visited the Cohasset Historical Society to meet with Ms. Hobson Putziger and Mr. Mulloy and to examine the anchor and provide guidance re: its age, conservation needs, and disposition. BUAR's examination revealed that the anchor appears to be the remains of a heavily corroded, partially intact, wooden-stocked wrought-iron anchor (stock missing) of the "Old Admiralty Longshank" type (with straight arms), commonly employed in British ships during the eighteenth and early-nineteenth centuries. The anchor measured 3.4 m long overall, from the anchor's crown to the head of the shank (including the 17 cm-long broken-off head of the shank), and 1.94 m across its arms, from bill-to-bill. The anchor's large ring (indicative of a rope rather than iron-chain cable) was partially preserved and present when discovered, but was lost upon recovery. No evidence of any ship remains, or of an anchor-chain or shackle, was observed on site at the time of the anchor's recovery. The anchor was encapsulated in a concretion of iron corrosion product and sand/gravel upon recovery; however, when examined by BUAR staff, this concretion had been removed mechanically by Mr. Mulloy leaving behind the preserved heavily-riated ferrous-metal core of the anchor. The anchor's flukes are preserved partially intact with one-half of a fluke present on one arm and none on the other. The Board's staff is currently assisting the Cohasset Historical Society in their preparation of a BUAR Isolated Find Form, which will be submitted for the Board's consideration at its next meeting on December 5, 2025.

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- Swift River Valley Museum Mishoon, New Salem: On September 23, 2024, the Board's staff, accompanied by BUAR permittee and Project Mishoon Director, Cheryl Stedtler, BUAR permittees and 2024 BUAR/MAS Photogrammetry Workshop participants, Chuck Zarba and William Gallagher, and Dave R's son, Noah Robinson, revisited the Swift River Valley Museum in the village of North New Salem to re-photograph and photo-scan for photogrammetry the dug-out canoe or mishoon that BUAR had measured and photographed earlier this year (in July 2024). Photoscanning the mishoon provided Messrs. Zarba and Gallagher another opportunity to exercise their photogrammetry modeling and 3D printing skills and it provided comparative data for Ms. Stedtler's Project Mishoon. Mr. Gallagher plans to print out a 3D scale-model of the mishoon.

**B. Meetings**

- Meeting with the Mashpee Wampanoag Tribal Historic Preservation Officer: On August 2, 2024, the Board's staff attended an in-person meeting held by the Mashpee Wampanoag Tribal Historic Preservation Officer, David Weeden, at the Tribal Offices in Mashpee, to discuss capacity-building and collaboration opportunities for engaging the Tribe in ocean research.
- Meeting with MA Division of Marine Fisheries (DMF) Leadership & Staff: On August 27, 2024, the Board's staff attended a Teams meeting with MA DMF leadership and staff to discuss the results of the Board's staff's review of MA DMF's proposed 2024 Fall Trawl Survey locations.
- Meeting with the Middleborough Elementary School's Team SABER re: the First LEGO League Competition: On September 6, 2024, the Board's staff attended a Zoom meeting with "Team SABER" – a group of fifth-grade students from Middleborough Elementary, who are participating in the 2024 First LEGO League (FLL) competition. This competition entails: 1) building a LEGO robot and doing certain tasks in competition with other teams; 2) completing a problem-solving exercise related to this year's competition's theme - Underwater/Submerged; and 3) presenting to the competition's judges. The Board's staff plans to be working with Team SABER periodically up until the initial round of competition at end of November 2024. FLL is an international program guiding youth through STEM learning and exploration through hands-on experiences working with LEGOs. The FFL program is in 110 countries and has approximately 679,000 participants competing in 3,700 events worldwide.
- MA CZM Environmental Justice, Tribal, and Equity Working Group Meeting: On September 16, 2024, the Board's staff participated in the first-ever meeting of the newly-formed MA CZM Environmental Justice, Tribal, and Equity Working Group. EEA's EJ and Equity Office is looking for each office within EEA to develop annual metrics for tracking and measuring efforts to enhance communication activities to expand information access for EJ populations, and to better integrate EJ populations into outreach, environmental monitoring, and citizen-volunteering activities.

**5. BOARD MEMBER REPORTS**

Graham McKay reported on an educational at-sea training cruise to the Arctic Circle that he participated in as third-mate in June and July 2024. The cruise was conducted by the Maine Maritime Academy's Vessel Operations and Technology (VOT) Program in their flagship, the 1921 Arctic exploration auxiliary-schooner, *Bowdoin*, a National Historic Landmark and the Official Vessel of the State of Maine. Students in the program learned to fit-out the schooner, terrestrial and celestial navigation, watchkeeping, vessel handling, emergency operations, passage planning, and the entering and clearing of foreign ports. Maine Maritime Academy is the only college in the US with a dedicated sail training program that leads to a US Coast Guard license as mate on an auxiliary sail vessel. *Bowdoin* has made over 20 trips above the Arctic Circle, and served in the US Navy's Greenland Patrol during World War II.



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Jonathan Patton reported that DCR's archaeological staff would be conducting an artifact "show-&-tell" event for the public in the Houghton's Pond Recreation Area of the Blue Hills Reservation on September 28, 2024.

**6. PUBLIC ENGAGEMENT ACTIVITIES**

**A. The Trustees of Reservations' Choate Island Day 2024**

On September 28, 2024, the Board's staff will be one of the featured guest-speakers during The Trustees of Reservations' (TTOR) 2024 Choate Island Day, and will present the talk entitled, "Life of the Land: the Underwater Archaeology of the Choate Island Area and the Challenges of Managing Coastal Archaeological Resources." The talk is scheduled for 2:00 pm in the Proctor Barn. The Choate Island Day event is open to TTOR members and the public. There is a fee and registration is required. For more information see the TTOR website.

**B. Ship Graveyard Tours**

On September 29 and October 5, 2024 BUAR staff will be narrating tours of the Green Jacket Shoal Ship Graveyard located at the mouth of the Seekonk River. These tours of southern New England's largest and most historic ship graveyard have been run annually for the past seven years by the Providence River Boat Company. The tours are open to the public. There is a fee and registration is required. For more information, see the Providence River Boat Company website.

**C. TTOR/BUAR "Shipwreck Scholars" Program**

In celebration of MA Archaeology Month, on October 12, 2024, between 12:30-2:30 pm, the Board's staff will once again join the TTOR's Outdoor Programs and educational staff at the *Ada K. Damon* shipwreck site on Steep Hill Beach at TTOR's Castle Hill/Crane Estate property in Ipswich to conduct their "Shipwreck Scholars" program. This is the fourth consecutive year that TTOR and BUAR have offered the program to TTOR members and the public and is part of BUAR/TTOR's on-going monitoring of the site. There is a fee and registration is required. For more information see the TTOR website.

**D. Crane Estate/Steep Hill Beach Marine Archaeology Talk & Sunset Walk**

In continued celebration of MA Archaeology Month, on October 30, 2024, from 3:30-6:30 pm, the Board's staff will return, again, to TTOR's Castle Hill/Crane Estate property in Ipswich to give a talk on marine archaeology in MA and conduct a tour of the *Ada K. Damon* shipwreck site on Steep Hill Beach. Like the Shipwreck Scholars Program, this is the fourth consecutive year that TTOR and BUAR have offered this all-ages program to TTOR members and the public, and is part of BUAR/TTOR's on-going monitoring of the site. There is a fee and registration is required. For more information see the TTOR website.

Dave R thanked the Board, its permittees, and members of the public who attended the meeting and reminded everyone that the next regularly-scheduled public meeting of the Board will be at **12:30 pm** on **Thursday, December 5, 2024**. This meeting will also be held in a hybrid format and accessible both remotely and as in-person meeting in CZM/BUAR's offices on the 9<sup>th</sup> floor at 100 Cambridge Street in Boston. Instructions for accessing the meeting remotely or in-person will be posted prior to the meeting on the Board's Public Meetings Information webpage (<https://www.mass.gov/service-details/buar-public-meeting-information>). Permittees and interested members of the public are encouraged to monitor the BUAR webpage's Public Meetings Information section for other updates, meeting agendas, and meeting minutes.

Daniel Sampson moved to adjourn the meeting at 1:41 PM. Vincent Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**COMMONWEALTH OF MASSACHUSETTS  
BOARD OF UNDERWATER ARCHAEOLOGICAL RESOURCES  
FINAL MINUTES OF PUBLIC MEETING – SEPTEMBER 26, 2024**

Respectfully submitted,

David S. Robinson  
Director