

**COMMONWEALTH OF MASSACHUSETTS  
BOARD OF UNDERWATER ARCHAEOLOGICAL RESOURCES  
FINAL MINUTES OF PUBLIC MEETING – 30 September 2021**

**MEMBERS PRESENT (ROLL CALL):**

Michael Driscoll (Designee of James Montgomery, Commissioner of Department of Conservation Resources Division Waterways)  
Vincent Malkoski (Dive Community Representative [Organization])  
Mark McClanan (Dive Community Representative [At-Large])  
Jonathan Patton (Designee of Brona Simon, Executive Director of the Massachusetts Historical Commission)  
Dan Sampson (Designee of Lisa Engler, Director of Coastal Zone Management)  
John Warner (State Archivist)

David Robinson, Director (Staff for the Board)

**MEMBERS ABSENT:**

Jack Chapin (Designee of Colonel Shaun Santos, Director of Environmental Law Enforcement)  
Graham McKay (Marine Archaeologist)  
Brona Simon (State Archaeologist)

**PROCEEDINGS:**

This virtual public meeting of the Massachusetts Board of Underwater Archaeological Resources (BUAR or Board) was convened by its Director, David Robinson (Dave R), with the assistance of co-host, MassBays Executive Director, Pam DiBona, at 12:34 PM on September 30, 2021, with a quorum of six (6) current members of the BUAR in attendance.

Dave R stated that the purpose of this regularly-scheduled public meeting was to conduct the BUAR's business requiring the involvement of the full Board.

**Items on today's agenda included:**

- Approval of the May 27, 2021 BUAR meeting's minutes
- Director's report
- Board Member reports
- Summary of the BUAR's Public Engagement Activities
- Old Business, and
- New Business.

Dave R explained that BUAR staff have been working remotely since March 16, 2020 due to the COVID-19 pandemic. All BUAR business and communications are currently being conducted primarily via email, supplemented by virtual meetings, limited phone calls, "hard-copy" mailings, and weekly transmittals of BUAR mail from MA Coastal Zone Management's (CZM) offices to BUAR's remote work location. Holding BUAR's meetings virtually through publicly-available internet-based "Zoom" technology as an alternative means of meeting was authorized by Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law (Massachusetts General Law [MGL] c. 30A, s. 20). Votes during virtual meetings are taken through a roll call, as required by MGL c. 30A, ss. 18-25. Virtual-meeting ground-rules were reviewed by Dave R and all of the Board members, permittees, and members of the public were welcomed to the meeting.

**1. MINUTES**

**A. Minutes of the May 27, 2021 Meeting of the Board**

Dave R asked if the Board had any comments or corrections to the minutes of the Board's public meeting of May 27, 2021. Vin Malkoski and John Warner discussed a potential edit, but concluded it was unnecessary. There were no additional comments or corrections to the minutes. Vin Malkoski moved to

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accept the minutes of the May 27, 2021 public meeting as written. John Warner seconded. Unanimous vote in favor by a roll-call vote. So voted.

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

Due to the meeting's very full agenda, as Chair, Dave R changed the order of business and moved directly to the agenda's Old Business and New Business action items. These agenda items were then followed by the Director's Report, Board Member Reports, and a summary of the Board's Public Engagement Activities since its May 27, 2021 meeting.

**4. OLD BUSINESS**

**A. AECOM**

AECOM's Special Use Permit (20-002) for the Massachusetts Water Resources Authority (MWRA) Section 56 Water Main Saugus River Crossing Project area in Lynn and Revere was up for renewal. On August 24, 2021, AECOM submitted to BUAR the project report and high-resolution images of sidescan sonar and subbottom profiler data and sediment core photographs that BUAR requested be submitted with the report. BUAR staff concurred with the reported results and conclusions of the marine archaeological survey. Having received the project report and requested data, BUAR staff considers the project complete. Without further discussion by the Board to extend, Special Use Permit 20-002 expired naturally.

**B. Neil Good**

At BUAR's May 27, 2021 meeting, the Board voted to extend the expiration date of Neil Good's Reconnaissance Permit (19-002) for his Waquoit Bay site in Falmouth and Mashpee until the Board's September 30, 2021 regularly scheduled meeting. Mr. Good submitted a complete renewal application, fee, and annual report in accordance with the Board's regulations. Mr. Good was in attendance to represent this permit. Mr. Good reported that quite a lot had happened with the project since the Board's previous meeting. He has been coordinating with the Department of Conservation and Recreation (DCR) staff of the Waquoit Bay National Estuarine Research Reserve (WBNERR) regarding the project and a grant that the Massachusetts Archaeological Society (MAS) received from the Massachusetts State Archives to record interviews with WW II veterans that had been stationed on Washburn Island during the war. Mr. Good's plans for 2022 fieldwork include examining a 1942 rumrunner lost in Waquoit Bay. Dave R reminded Mr. Good that an additional condition of his permit requires him to maintain regular communication not only with WBNERR staff, but also with the Tribal Historic Preservation Offices (THPO's) of the Mashpee Wampanoag Tribe (MWT) and the Wampanoag Tribe of Gay Head (Aquinnah) (WTGH/A), as well as with the DCR State Park Archaeologist (whose office is currently vacant as a result of Ellen Berkland's recent retirement). Mr. Good acknowledged that he was aware of that additional condition, had been communicating with the WBNERR staff and MWT THPO, and would be contacting the WTGH/A THPO and the new DCR State Park Archaeologist when that position is filled, in accordance with this permit's requirements. There was no further discussion.

Dan Sampson moved to grant renewal of Reconnaissance Permit (19-002) held by Neil Good for his Waquoit Bay site in Falmouth and Mashpee with all standard conditions in effect and with the further condition that he coordinate field activities with the DCR staff at the WBNERR and maintain regular communication with the DCR State Park Archaeologist and with the MWT and WTGH/A THPOs. The permit period is for one year, retroactive to May 27, 2021, and expires May 27, 2022. Vin Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**C. R. Christopher Goodwin & Associates, Inc.**

At BUAR's May 27, 2021 meeting, the Board voted to extend the expiration date of R. Christopher Goodwin & Associates, Inc.'s (RCGA's) Special Use Permit (20-001) for the Mayflower Wind Project area in Nantucket Sound until the Board's September 30, 2021 regularly scheduled meeting. RCGA had requested the extension to accommodate pending changes to RCGA's project personnel and project scope.

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RCGA's vice-president of Nautical Archaeological Services, Steve Schmidt, who has held multiple BUAR Special Use Permits since 2013, has replaced Owen Wright as RCGA's Project Principal Investigator and RCGA's Ashley Himmelstein is now serving as the new Project Archaeologist. RCGA requested and received on June 25, 2021 provisional approval from the Board's Director of a modification to their project scope/permit area that expanded RCGA's survey area to include the Massachusetts waters portion of Mount Hope Bay in Fall River, Somerset, and Swansea. Mayflower subsequently decided to have RCGA request a separate Special Use Permit (SUP 21-005) for the new area (see New Business below). Consequently, RCGA withdrew its modification request. RCGA has submitted a complete renewal application and annual report for the original project permit area, in accordance with the Board's regulations. RCGA's Dr. R. Christopher Goodwin, Ashley Himmelstein, and Steve Schmidt, and Mayflower's Erin Healy were in attendance to represent this permit. Mr. Schmidt commented that Dave R's summary of the permit's recent activity was accurate and that he and the other RCGA representatives had nothing else to add. There was no further discussion.

Michael Driscoll moved to renew R. Christopher Goodwin & Associates, Inc.'s Special Use Permit (20-001) for their Mayflower Wind Project area in Nantucket Sound with all standard and special conditions in effect. The permit period is for one year, retroactive to May 27, 2021, and expires May 27, 2022. Mark McClanan seconded. Unanimous in favor by a roll-call vote. So voted.

**D. North Atlantic Dive Expeditions**

At BUAR's May 27, 2021 meeting, the Board voted to extend the expiration date of North Atlantic Dive Expedition's (NADE) Reconnaissance Permit (17-004) for their Gloucester site until the Board's September 30, 2021 regularly scheduled meeting. NADE's Heather Knowles contacted the Board on September 1, 2021, to request a second (and final) extension of its permit until the Board's next regularly scheduled meeting on December 2, 2021. It has been the Board's practice to grant up to two extensions under these circumstances. Ms. Knowles was not in attendance to represent this permit. There was no further discussion.

Vin Malkoski moved to extend the expiration date of NADE's Reconnaissance Permit (17-004) for their Gloucester site a second (and final time) until the Board's next regularly scheduled meeting on December 2, 2021, with all standard and special conditions in effect. John Warner seconded. Unanimous in favor by a roll-call vote. So voted.

**E. Public Archaeology Laboratory, Inc.**

The Public Archaeology Laboratory, Inc.'s (PAL's) Special Use Permit (16-003) for their New Bedford Harbor Superfund Site (NBHSS) project area in Acushnet, Fairhaven, and New Bedford was up for renewal. PAL submitted a complete renewal application and Annual Report in accordance with the Board's regulations. PAL's Jay Waller was present to represent this permit. Mr. Waller reported that the US EPA's hazmat remediation work at the NBHSS was wrapping-up and that the permit was being kept open to address any unanticipated discoveries that could happen during the remaining remediation activities. There was no further discussion.

Michael Driscoll moved to renew PAL's Special Use Permit (16-003) for their New Bedford Harbor Superfund Site project area in Acushnet, Fairhaven, and New Bedford with all standard and special conditions in effect for the period of one year with the permit's expiration September 30, 2022. Vin Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**F. Victor Ricardo**

At BUAR's May 27, 2021 meeting, the Board voted to extend the expiration date of Victor Ricardo's Reconnaissance Permit (94-001) for his Salisbury Site until the Board's September 30, 2021 regularly scheduled meeting. Mr. Ricardo submitted a complete renewal application, fee, and annual report in accordance with the Board's regulations. Mr. Ricardo was in attendance to represent this permit, but

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unfortunately had a technology issue and was unable to communicate with the Board during the meeting. There was no further discussion.

Dan Sampson moved to renew Victor Ricardo's Reconnaissance Permit (94-001) for his Salisbury site with all standard and special conditions in effect. The permit period is for one year, retroactive to May 27, 2021, and expires May 27, 2022. Michael Driscoll seconded. Unanimous in favor by a roll-call vote. So voted.

**G. J. Nicholas Snyder**

At BUAR's May 27, 2021 meeting, the Board voted to extend the expiration date of J. Nicholas Snyder's Excavation Permit (11-002) for his Gloucester Site until the Board's September 30, 2021 regularly-scheduled meeting. On June 2, 2021, the Board's staff informed Mr. Snyder in writing of the extension and the project completion requirements outlined in the Board's Regulations 312 CMR 2.09(c) and 312 CMR 2.13, if he decided to not renew this permit, and reminded him that when BUAR permittees sign and initial their permit application they are legally agreeing to and must submit to BUAR as part of their permittee activities and responsibilities: a) the Project Completion Report/Project Documentation; and must b) complete the Resource Disposition process. Submittal of the Final Project Report and Project Documentation is critically important to meeting the BUAR permitted project's public interest goal to recover, report, and preserve the maximum amount of historical, scientific, archaeological, and educational information from the Commonwealth's investigated and recovered underwater archaeological resources. Mr. Snyder did not reply to BUAR's letter. The Board's staff communicated again in writing to Mr. Snyder on August 31, 2021, to remind him of the September 30, 2021 permit extension expiration date and to reiterate the project completion requirements outlined in the Board's Regulations. On September 1, 2021, Mr. Snyder's Project Director, Gary Esper, communicated with the Board's staff on Mr. Snyder's behalf regarding his permit. Mr. Esper informed BUAR staff that Mr. Snyder did not intend to renew Excavation Permit 11-002. Mr. Esper stated that there were no recovered artifacts from the project, thus making the artifact disposition process unnecessary, and that he (Mr. Esper) would be preparing and submitting the required project completion documentation prior to the permit extension's September 30, 2021 expiration. On September 16, 2021, Mr. Esper communicated again with the BUAR on Mr. Snyder's behalf and requested a second (and final) extension of the permit's expiration date to the Board's December 2, 2021 regularly scheduled meeting to provide him with more time to prepare and submit the project completion documents. It has been the Board's practice to grant up to two extensions under these circumstances. Neither Mr. Snyder nor Mr. Esper were in attendance to represent this permit. There was no further discussion.

Dan Sampson moved to extend the expiration date of J. Nicholas Snyder's Excavation Permit (11-002) for his Gloucester site with all standard and special conditions in effect a second (and final time) until the Board's next regularly scheduled meeting on December 2, 2021, Michael Driscoll seconded. Unanimous in favor by a roll-call vote. So voted.

**H. Robert Wells**

At BUAR's May 27, 2021 meeting, the Board voted to extend the expiration date of Robert Wells's Reconnaissance Permit (18-001) for his Kings Cove site in Weymouth until the Board's September 30, 2021 regularly-scheduled meeting. Mr. Wells submitted a complete renewal application, fee, and Annual Report in accordance with the Board's regulations. Mr. Wells was in attendance to represent this permit. Mr. Wells reported that he has been working with the staff of the Falmouth-based marine survey company, CR Environmental, Inc., to develop a proposal for conducting a sub-bottom profiling survey of his permit area. He anticipates data from the sub-bottom profiler survey will be combined with publicly-available aerial LiDAR data to create a dataset that Mr. Wells plans to share with a geologist to assist him in interpreting the survey's results and identifying potential archaeological features of interest. Dave R commented that the survey approach Mr. Wells was planning seemed appropriate for his research goals and offered BUAR's assistance if he had any questions or wanted the Board Staff's input on interpreting the data. There was no further discussion.

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Michael Driscoll moved to renew Robert Wells's Reconnaissance Permit (18-001) for his Kings Cove site in Weymouth with all standard and special conditions in effect. The permit period is for one year, retroactive to May 27, 2021, and expires May 27, 2022. Vin Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**5. NEW BUSINESS**

**A. The Public Archaeology Laboratory, Inc.**

PAL submitted a Special Use Permit application to conduct Memorandum of Agreement-specified mitigation services consisting of construction-phase archaeological monitoring and walkover (reconnaissance) survey of pond drawdown and in-river work areas in support of the Town River Restoration, High Street Dam Removal and Bridge Removal Project, 120-151 High Street, in Bridgewater. Activities allowed under this permit include archaeological monitoring and walkover survey to identify and record on project plans archaeological resources in the permit area. No excavation or artifact collection was planned as part of this work. On June 17, 2021, the Board's Director reviewed, approved, and issued provisional Special Use Permit 21-002 to PAL. Suzanne Cherau of PAL was in attendance to represent this permit. Ms. Cherau reported that there is no set schedule for the project's fieldwork yet, although it may begin as early as January 2022. There was no further discussion.

Jonathan Patton moved to approve granting PAL Special Use Permit (21-002) for the Town River Restoration, High Street Dam Removal and Bridge Removal Project, 120-151 High Street, in Bridgewater, with all the standard and special conditions in effect. The permit period is for one year, effective September 30, 2021, and expires September 30, 2022. Michael Driscoll seconded. Unanimous in favor by a roll-call vote. So voted.

**B. Gray & Pape, Inc.**

Gray and Pape, Inc. submitted a Special Use Permit application to conduct marine archaeological reconnaissance survey in Vineyard Sound between Falmouth and Oak Bluffs in support of the Eversource Energy 5th Submarine Cable Project. Activities allowed under this permit include marine archaeological reconnaissance and remote sensing survey, video documentation, benthic grab sample collection, and vibracore sampling within the permit area. On August 10, 2021, the Board's Director reviewed, approved, and issued provisional Special Use Permit 21-003 to Gray & Pape, Inc. Kim Smith of Gray & Pape, Inc. was in attendance to represent this permit application and offered to answer any questions that the Board might have about the application or project. There was no further discussion.

Michael Driscoll moved to approve granting Gray & Pape, Inc. Special Use Permit (21-003) for the marine archaeological reconnaissance survey of the Eversource Energy 5th Submarine Cable's Vineyard Sound Project area between Falmouth and Oak Bluffs with all the standard and special conditions in effect. The permit period is for one year, effective September 30, 2021, and expires September 30, 2022. Vin Malkoski seconded. Unanimous in favor by a roll-call vote. So voted.

**C. Gray & Pape, Inc.**

Gray and Pape, Inc. submitted a Special Use Permit application to conduct marine archaeological reconnaissance survey in Vineyard Sound between Falmouth and Tisbury in support of the Eversource Energy #91 Replacement Submarine Cable Project. Activities allowed under this permit include marine archaeological reconnaissance and remote sensing survey, video documentation, benthic grab sample collection, and vibracore sampling within the permit area. On September 2, 2021, the Board's Director reviewed, approved, and issued provisional Special Use Permit 21-004 to Gray & Pape, Inc. Kim Smith of Gray & Pape, Inc. was in attendance to represent this permit application and offered to answer any questions that the Board might have about the application or project. There was no further discussion.

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Michael Driscoll moved to approve granting Gray & Pape, Inc. Special Use Permit (21-003) for the marine archaeological reconnaissance survey of the Eversource Energy 5th Submarine Cable's Vineyard Sound Project area between Falmouth and Oak Bluffs with all the standard and special conditions in effect. The permit period is for one year, effective September 30, 2021, and expires September 30, 2022. John Warner seconded. Unanimous in favor by a roll-call vote. So voted.

**D. R. Christopher Goodwin & Associates, Inc.**

As noted above in Old Business, RCGA's renewal application for their Special Use Permit 20-001 included their withdrawal of their modification request to include Mayflower Wind's expanded project area in Mount Hope Bay as part of RCGA's permitted survey area covered by Special Use Permit 20-001. Mayflower Wind requested that RCGA, instead, survey the Mount Hope Bay area under a new, separate Special Use Permit. RCGA submitted a Special Use Permit Application for conducting a marine archaeological reconnaissance survey of the Massachusetts waters portion of Mayflower Wind's Mount Hope Bay project study area in Fall River, Swansea, and Somerset. Activities allowed under this permit include marine archaeological reconnaissance remote sensing survey and vibracore sampling. RCGA's Dr. R. Christopher Goodwin, Ashley Himmelstein, and Steve Schmidt, and Mayflower's Erin Healy and Victor Mastone, were in attendance to represent this permit application and offered to answer any questions anyone had about the application. Jonathan Patton asked RCGA if they were consulting with the Rhode Island State Historic Preservation Office (i.e., the Rhode Island Historical Preservation & Heritage Commission) for the Rhode Island waters and onshore portions of the project, and noted the archaeological and cultural sensitivity of the Mount Hope area. RCGA's Steve Schmidt confirmed that they were and were aware of the Mount Hope area's archaeological sensitivity. Dave R noted that BUAR staff had provided RCGA with information on known shipwrecks located in Mount Hope Bay. There was no further discussion.

Vin Malkoski moved to approve granting RCGA Special Use Permit (21-005) for the marine archaeological reconnaissance survey of the Mayflower Wind Project-Mount Hope Bay Area in Fall River, Somerset, and Swansea with all the standard and special conditions in effect. The permit period is for one year, effective September 30, 2021, and expires September 30, 2022. Dan Sampson seconded. Unanimous in favor by a roll-call vote. So voted.

**2. DIRECTOR'S REPORT**

**A. Scientific Dive Training**

Dave R reported that BUAR staff participated in dive training/check-out dives with CZM and Division of Marine Fisheries (DMF) staff on June 26 and July 28, 2021. Additional dive training and check-out dives leading to BUAR staff becoming authorized to dive for the Commonwealth are planned for later in the fall and in early 2022.

**B. Fieldwork**

**i. Castle Neck, Ipswich**

Dave R reported that BUAR staff conducted fieldwork on August 21, 2021 in the intertidal sands of Castle Neck, Ipswich to investigate local boaters/beachgoers David and Maura Algers's reported find of a series of several wooden stakes protruding out of the beach's intertidal sands that were suggestive of a precontact period fish trap or fish weir. The find was initially reported to MHC who then alerted BUAR staff about it on August 18, 2021. Upon BUAR staff's inspection, the wooden stakes were found to be arranged in a 'V' pattern that was about 3 to 4 ft long and 2 ft wide and appeared to be part of a larger structure based on the presence of other single stakes visible protruding above the sand in the area around the find. BUAR staff photo-documented the find, recorded a GPS position for its location, and extracted two wood samples for radiocarbon dating. Dave R reported the wood's condition was similar to wood he'd encountered while excavating submerged Stone Age sites in Denmark (i.e., very waterlogged and soft). Subsequent to the BUAR staff site visit, Ms. Algers reported to BUAR that she'd also seen areas of exposed organic "peat" in the vicinity of the find. BUAR staff will prepare and submit to MHC a site form for the find and will add it to

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BUAR's GIS database of underwater archaeological resources. BUAR will also continue to coordinate with the MHC and the Trustees regarding the site's further study, wood sample dating, and management.

**ii. Cape Cod National Seashore, Race Point, Provincetown**

Dave R reported BUAR staff conducted fieldwork with National Park Service (NPS) staff on August 26, 2021 at a wooden shipwreck site located in the intertidal zone of the beach at Race Point in the Cape Cod National Seashore (CACO), Provincetown. The fieldwork was conducted on behalf of the NPS/CACO to preliminarily examine and document basic information about the remains of a wreck that were exposed during a 2021 seasonal (Springtime) storm. BUAR staff photographed the wreck, recorded a GPS position for its location, and measured overall dimensions of the hull remains, as well as the dimensions of a representative sample of individual hull timbers and fasteners. The wreckage appeared to be the remains of the forward section of the lower hull of a motorized wooden fishing vessel likely dating from the middle-twentieth century. The estimated age of the vessel was based on the observed presence of concrete ballast, the exclusive use of iron spikes (and no treenails) to fasten the hull's planking to its framing timbers, and four cupreous threaded bolts arranged in a rectangular pattern extending out of the exposed side of the keel that would have secured a "keel cooler" to the outside of the hull. Keel coolers are a system of tubing attached to a vessel's exterior below the waterline that uses the lower temperature of seawater to reduce engine coolant temperature via heat exchange before it is recirculated through the vessel's engine. BUAR staff provided the NPS/CACO Historian with a preliminary report following the site visit and will be completing a mini-report and an MHC site file form for the wreck and adding it to the BUAR database.

**C. Ada K. Damon Shipwreck Site Management Update**

Dave R reported that BUAR staff and volunteers will be conducting additional monitoring of the *Ada K. Damon* shipwreck site this Fall-Winter. Low-altitude aerial photography survey of the overall site to document changes to it over the past year is planned.

**D. MA Ocean Management Plan**

Dave R reported that BUAR staff continued to be involved in the work on CZM's 2021 MA Ocean Management Plan (OMP) update, and completed its contributions to the OMP's Baseline Assessment and Science Framework volumes. The draft OMP is now up on the CZM website and the 60-day public comment period is open.

**E. BUAR Permit Activity Discussion Review**

Dave R reviewed the May 27, 2021 Board meeting discussion regarding a citizen's concern that BUAR permittees were being allowed to hold permits for extended periods of time without accountability for a lack of activity, thus preventing others with the capacity to conduct substantive site work in the public's interest under a BUAR permit in those areas from doing so. BUAR Regulations are clear in their requirements of:

- a) proposed project work plans that are appropriate and in the public's interest;
- b) that all elements of the work plan to be performed as approved by the Board, and
- c) that "lack of activity" is a cause for modifying, suspending, or revoking a permit.

Dave R acknowledged that health concerns and federal- and state-mandated restrictions during the COVID-19 pandemic of the past year-and-a-half have recently prevented many permittees from conducting their planned permit-related activities on their projects, but noted that critical assessment of work plans, work plan performance, and permit-related activity would resume as elements of the Board's consideration of renewal applications moving forward after the end of the COVID-19 State of Emergency, and that the following action items that will be followed to address the comments and concerns of the prospective permittee and the Board:

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- Permittees will be strongly encouraged by the Board's staff to attend BUAR's public meetings when they have business before the Board; and
- Permittees will be advised by the Board staff and/or Board about the importance of submitting annual work plans with realistic goals and tasks that are accomplishable within a permit year, and that the degree to which these work plans are accomplished and the amount of activity that does or does not take place within their permit area(s) will be criteria that are reviewed critically and considered carefully by the Board during the permit renewal process, as is required by the Board's regulations.

**3. BOARD MEMBER REPORTS**

**A. Vin Malkoski**

Vin Malkoski reported that divers from the Massachusetts Division of Marine Fisheries (DMF), the Stellwagen Bank National Marine Sanctuary (SBNMS), and the Woods Hole Oceanographic Institute (WHOI) successfully removed 500-lbs of entangled fishing nets from the SBNMS's F/V *Patriot* shipwreck. The wreck is visited frequently by recreational divers. Removal of the net will enhance not only diver safety, but also the safety of marine-life at the site, particularly seals, several of which have died after becoming entangled in this abandoned fishing gear.

**B. Dan Sampson**

Dan Sampson reported that a benthic characterization GIS database with 40 different types of seabed classifications will soon be publicly available for a variety of applications, including the development of environmental contexts for underwater archaeological assessments. The database is being created from new and existing legacy bathymetric survey data compiled and interpreted by the National Oceanic and Atmospheric Administration (NOAA) and its industry project partner, TetraTech, Inc.

**4. PUBLIC ENGAGEMENT ACTIVITIES**

**A. Dedham Retired Men's Club Virtual Lecture**

On May 28, 2021, BUAR staff presented a virtual lecture to the Dedham Retired Men's Club on the sinking and recovery of the USS Submarine S-4 off Provincetown, MA.

**B. Stellwagen Bank National Marine Sanctuary Science Team Virtual Lecture**

On July 22, 2021, BUAR staff presented a virtual lecture to the SBNMS's leadership and science team on submerged paleocultural landscapes archaeology.

**C. Collaboration on Brochure for USCG Auxiliary Boating Education Courses, Public Outreach, and Boat and Air Crew Training**

Between August 14 and September 1, 2021, BUAR staff opened a new channel of communication and coordinated with Dr. Chris Jaspardo, the USCG Auxiliary's Sector Southeast New England – Maritime CPP Team Lead/District Staff Officer for their Emergency Management/Monuments team and associate professor, cultural geographer and field archaeologist at the US Naval War College, to develop underwater archaeological resources-focused brochure content for use in the USCG Auxiliary-Sector Southeast New England's boating education courses, public outreach programming, and boat and air crew training. Moving forward, Dr. Jaspardo and his USCG Emergency Management/Monuments Team will continue coordinating with BUAR and will contribute new information to BUAR's Shoreline Heritage Identification Partnerships Strategy (SHIPS) Program as opportunities arise.

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**D. Green Jacket Shoal Ship Graveyard Tour**

On October 2, 2021, BUAR staff will once again narrate a Providence River Boat Company boat-based tour of a nineteenth century ship graveyard and maritime cultural landscape located at the mouth of the Seekonk/Blackstone River.

**E. Dedham Retired Men’s Club In-Person Lecture**

On October 8, 2021, BUAR staff will be presenting again to the membership of the Dedham Retired Men’s Club – this time as in-person talk in Dedham on marine archaeology in Massachusetts, the wreck of the *Ada K. Damon*, and the risk climate change-induced sea level rise poses to the Commonwealth’s coastal maritime heritage.

**F. United Divers of Central Massachusetts In-Person Lecture**

On October 21, 2021, BUAR staff will be presenting an in-person talk in Fitchburg to the membership of the United Divers of Central Massachusetts covering several topics that will include information on BUAR, state laws and regulations, and underwater archaeology in Massachusetts, and the story of the sinking and recovery of the USS S-4 submarine off Provincetown.

**G. Trustees of Reservations “Shipwreck Scholars” Interactive Public Education Program**

BUAR staff and the education staff of the Trustees of Reservations will be conducting in-person “Shipwreck Scholars” interactive public education programs at the Trustees’ Castle Hill/Crane Estate property in Ipswich on October 30, November 13, and December 12, 2021. This new “CraneExplorer” educational program of the Trustees will focus on local nautical history and the *Ada K. Damon* shipwreck site. Participants will record observations and measurements of the shipwreck with BUAR staff and learn about how BUAR and the Trustees are working together to research and protect this important coastal maritime heritage site. As part of their participation in the Trustees public educational programming, BUAR staff will also be presenting a talk on Massachusetts underwater archaeology and the archaeology of the Castle Hill/Crane Estate property area to the Trustees’ Coastal Volunteers as an elective component of their training with the Trustees.

Dave R invited participating members of the public to use Zoom’s chat function to ask any questions that they may have had about any of the agenda items from today’s meeting.

Joseph Baker, a diver and retired Massachusetts State Trooper, introduced himself and commented that this was the first BUAR meeting he’d attended. He thanked the Board for addressing the concern about permittee activity. There were no further comments or questions from the public.

Dave R reminded attendees that the next regularly scheduled public meeting of the Board will be at 12:30 pm on December 2, 2021, and that the meeting will be held via remote-access. He encouraged permittees and interested members of the public to monitor the BUAR webpage’s Public Meetings Information section for updates, meeting agendas, remote-access meeting log-in instructions, and past meeting minutes. Dave R thanked meeting participants for their attendance and participation in the meeting and extended special thanks to Ms. DiBona for co-hosting and to the Board for their continued effort, cooperation, and patience during these challenging times. He wished everyone continued good health and safety.

Vin Malkoski moved to adjourn the meeting at 2:12 pm. Dan Sampson seconded. Unanimous in favor by a roll-call vote. So voted.

Respectfully submitted,

David S. Robinson  
Director