

Andrew J. Van Slyke

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Education

Master of Arts, 2019, Historical Archaeology
University of West Florida, Pensacola, FL

Bachelor of Arts, 2017, Anthropology/Archaeology
University of West Florida, Pensacola, FL

Associate of Arts, 2016
Gulf Coast State College, Panama City, FL

Professional Experience

U.S. National Park Service's Submerged Resources Center

Apr 2020 - present

Maritime Archeologist

- Collaborate with partner agencies on the state, national, and international levels to conduct underwater archaeological work and research.
- Conduct archaeological marine remote-sensing surveys (including side-scan sonar, magnetometer, and sub-bottom profiler) and document submerged cultural and natural resources throughout the National Park system.
- Lead field efforts, analyze marine remote-sensing data, maintain and repair equipment, participate in diver investigations, produce reports, and operate survey vessels.
- Conduct anthropological research to create Maritime Cultural Landscape studies of U.S. National Parks using historical and archival methods to tease out problems for parks, partners, or the field of archaeology.
- Provide parks with interpretative materials about their submerged resources to help engage park visitors and support the park's and the National Park Service's missions.

Archaeological Research Cooperative 501(c)3

May 2019 - present

Archaeologist and Public Outreach Officer

- Design Public Outreach Plans for the Submerged Paleo-Landscape Archaeological Survey and Heritage (SPLASH) Project in corroboration with the Florida Public Archaeology Network (FPAN).
- Assist with application preparation and submission for NOAA OER grant.
- Launch and maintain social media campaigns.
- Survey and excavate submerged prehistoric archeological sites and collaborate in report writing.
- Operated research vessels and conducted diving and coring operations.
- Created the Paleo-Landscape Maritime Heritage Trail and lesson plans for high school and undergraduate courses.

Texas A&M University's Center for the Study of First Americans

May - Jul 2019

Maritime and Underwater Archaeologist / Photogrammetric Surveyor / Dive Safety Officer

- Assisted the Principal Investigator in conducting an archeological survey and documentation of submerged prehistoric cultural resources at the Page-Ladson Site.
- Planned underwater survey and archeological excavation of units to recreate the prehistoric environment.
- Planned and installed excavation grids; performed scientific excavations of units with an induction water dredge; assessed and analyzed findings; conducted site recordation, measured, and mapped in situ features and other diagnostic artifacts.
- Created photogrammetric models of extinct Pleistocene megafauna remains and excavation blocks to determine stratigraphy.
- Supervised and conducted daily archeological diving operations, including mapping, data collection and documentation, and surface survey at a submerged Pre-Contact quarry site (Clint's Scallop Hole Site) and excavation of test units (Mammoth Graveyard Site, Guest Mammoth Site, and Lewis- McQuinn Site).
- Supervised archeological excavations and directed dive operations for five underwater archeologists and three underwater archeological students during Phase III data recovery.
- Developed dive safety protocols and conducted daily safety meetings.

UWF Department of Anthropology

Aug 2017 - Dec 2019

Graduate Teaching Assistantship

- Composed quizzes, tests, and final exams to meet curriculum requirements and course mission.
- Kept physical and electronic gradebooks on a web-based platform.
- Utilized and configured "clicker" technology hosted by Turning Point Polling Systems.
- Configured and submitted final grades.
- Corresponded regularly with students regarding academic progress.
- Presented class lectures in line with UWF curriculum standards.

The UWF Archeology Institute

May 2018 - Sep 2018

Field Director of Maritime Survey and Target Diving Operations

- Collaborated with professors and co-workers at UWF to document submerged cultural resources.
- Assisted UWF archeologists in applying for Environmental Protection Agency and U.S. Army Corps of Engineers permits and National Register nominations.
- Assisted in writing final technical reports for surveys and excavations in Pensacola Bay and the surrounding waterways.
- Planned, supervised, and participated in the mapping of wreck sites and drafting of scale site plan, including that of the 1559 Emanuel Point II Shipwreck (8ES3345) and Emanuel Point III Shipwreck (8ES3460); this included underwater survey and archeological excavation, including planning and laying of excavation grids; performing scientific excavations of units with a water induction dredge; assessing, photographing, analysis, site recordation, measuring, and mapping of in situ cargo-related features, structural features, ceramics, and other diagnostic artifacts.
- Conducted marine remote sensing operations using Edge-tech multi-beam, magnetometer, and Starfish side scan sonar devices.
- Planned fieldwork, including preparation of site recording forms, surface artifact analysis forms, field notes, and digital photography naming procedures and standards.
- Conserved wood, ferrous, cupreous, glass, ceramic, textile, leather, and seed artifacts.

Project Experience

Principal Investigator

Led the Maritime Legacy Project: Jamaica's Search for Columbus' Last Carvels and Admiral Horatio Nelson's first command, HMS *Hinchinbrooke*, in St. Ann's Bay, Jamaica. Also led the GIS-based mapping project of archaeological sites with the Jamaica National Heritage Trust (JNHT) at Seville Heritage Park, **February 2024**.

Led +300 ft.- deep side-scan sonar survey at Lake Mead National Reactional Area (LAKE), Nevada, USA, for Section 110 and 106 clearances, **November 2023**.

Conducted side scan sonar and diver investigations at Paterson Great Falls National Historical Park (PAGR), New Jersey, USA, **September 2023**.

Led magnetometer survey operations in Biscayne National Park (BISC), Florida, and conducted diver investigations into magnetic signatures. I also led the NPS Submerged Resource Center's Youth Diving with A Purpose outreach engagement, where we taught youth how to do underwater sciences, **July 2023**.

Conducted magnetometer surveys in Dry Tortugas National Park (DRTO), Florida, USA, to re-locate lost archaeological and correct errors in ArcGIS. **August 2022**.

Led side scan sonar survey in five high-altitude lakes (+9,000 ft.) as per a Search and Rescue in Grand Tetons National Park (GRTE), Wyoming, USA, **September 2022**.

Led the Shipwreck Tagging Archaeological Management Program (STAMP) for the U.S. National Park Service at Cape Cod National Seashore (CACO), Massachusetts, USA, **April 2022**.

Magnetometer and side-scan sonar surveys at George Washington Birthplace National Monument (GEWA), Virginia, USA, for Section 110 and 106 clearances. **April 2022**.

Magnetometer and side-scan sonar surveys at Colonial National Historical Park (COLO), Virginia, USA, and Captain John Smith Chesapeake National Historic Trail (CAJO), Virginia, USA, for Section 106 clearance, **June 2021**.

Led the Shipwreck Tagging Archaeological Management Program (STAMP) for the U.S. National Park Service and brought it to new Parks. Responsible for expanding the project to other U.S. National Parks (7 total), **2021-present**.

Remote Sensing Specialist/ Diver

Conducted side scan sonar and magnetometer surveys completed with Closed-Circuit Rebreather diver investigations in Kwajalein Atoll for the Defense POW/MIA Accounting Agency (DPAA) to search for lost American Servicemen lost in World War II, **April 2023**.

Conducted side scan sonar and magnetometer surveys completed with Closed-Circuit Rebreather diver investigations at War in the Pacific National Historical Park (WAPA), Guam, **February 2023**.

Conducted side scan sonar and magnetometer surveys completed with black-water diver investigations at Fort Moultrie and Fort Sumter National Historical Parks (FOMO/FOSU), South Carolina, USA, **December 2022**.

Conducted magnetometer surveys and diver investigations in Biscayne National Park (BISC), Florida, USA, **July 2022**.

Conducted side scan sonar surveys in Dry Tortugas National Park (DRTO), Florida, USA, to locate boundary buoy anchors. Dove 105 ft. to confirm anomalies, **March 2022**.

Sub-bottom profiler and side-scan sonar surveys in Apalachee Bay, Florida, to discover Paleoindian and Archaic submerged sites, **December 2020**.

Diver

Conducted photogrammetric dive operations in Dry Tortugas National Park (DRTO), Florida, USA, to image coral reefs. Dives were four hours long and conducted on Closed-Circuit-Rebreathers (CCR) and Diver Propulsion Vehicles (DPVs), **August 2023**.

Conducted Closed-Circuit Rebreather dives on submerged sites at Lake Mead National Reactional Area (LAKE), Nevada, USA, in both Lake Mead and Lake Mojave, **October 2022**.

Conducted Closed-Circuit Rebreather dives on submerged sites at Lake Mead National Reactional Area (LAKE), Nevada, USA, in both Lake Mead and Lake Mojave, **October 2021**.

Conducted Closed-Circuit Rebreather dives on submerged sites in Biscayne National Park (BISC), Florida, USA, **August 2021**.

Target diving legacy anomalies to locate HBM *Nimble* and *Guerrero* remains in Biscayne National Park (BISC), Florida, USA, **July 2021**.

Conducted Closed-Circuit Rebreather dives on submerged sites at Lake Mead National Reactional Area (LAKE), Nevada, USA, in both Lake Mead and Lake Mojave, **April 2021**.

Remote Sensing Specialist

Marine remote-sensing survey in Search and Rescue (SAR) operations to locate two missing persons in Yellowstone National Park (YELL), Montana, USA, **September 2021**.

Marine remote-sensing survey operations in Dry Tortugas National Park (DRTO), Florida, USA, for HMS *Tyger*, DRTO-09, DRTO-017, and DRTO-035, **August 2021**.

Marine remote-sensing survey operations in Everglades National Park (EVER), Florida, USA, for Missing Private Plane, **July 2021**.

Marine remote-sensing survey operations in San Francisco Maritime Park (SAFR) for Section 106 Clearance, **April 2021**.

Marine remote-sensing survey refinement operations of the 1554 Spanish Fleet at Padre Island National Seashore (PAIS), Texas, USA. Refine location, extent, and depth of burial of known significant sites after an active 2020 hurricane season, **March 2021**.

Anthropology/ Maritime Archaeologist

Conducted Maritime Landscape studies of Biscayne National Park (BISC), Florida, USA, Dry Tortugas National Park (DRTO), Florida, USA, and Gulf Islands National Seashore (GUIS), Florida, USA. Focused on locating and identifying shipwrecks in South Florida National Parks, **2020**.

Lead Maritime Researcher

Led the historical and archival research and analysis of HMS *Tyger* in Dry Tortugas National Park (DRTO), Florida, USA, **July 2020**.

Led the historical and archival research and analysis of HBM *Nimble* and Pirate-Slaver *Guerrero* in Biscayne National Park (BISC), Florida, USA, **June 2020**.

Led the historical and archival research and analysis of the 1554 Spanish Fleet at Padre Island National Seashore (PAIS), Texas, USA, **April 2020**.

Volunteer Experience

The Maritime Legacy Project: Jamaica

Jan 2021 - present

Co-founder and Archeologist

- Conduct primary and secondary source historical research to lead archaeological survey efforts.
- Led grant writing, research, report writing, and fundraising efforts.
- Create archaeological and environmental public outreach plans for primary school students.
- Coordinate with the Jamaica National Heritage Trust to obtain archaeological field research permits.
- Coordinate with the Jamaica Civil Aviation Authority to obtain a drone permit for our aerial magnetometer survey.
- Principal Investigator for The Maritime Legacy Project: Jamaica's first expedition to survey for Columbus' last caravels in Jamaica.
- Led aerial magnetometer survey over St. Ann's Bay, Jamaica.
- Led GIS-based terrestrial mapping effort of the earliest known archaeological sites in Seville Heritage Park, Jamaica.

Archeological Research Cooperative 501(c)3

Aug 2019 - present

Archeologist, Public Outreach Officer, and Webmaster

- Built a website and led the launch of social media campaigns.
- Managed social media suite.
- Surveyed and excavated submerged prehistoric archeological sites and aided in report writing.
- Operated research vessels and conducted diving and coring operations.
- Created Public Outreach plans in coordination with the Florida Public Archeology Network.

Bagdad Waterfronts Florida Partnership 501(c)3

Jul 2017 - present

Lead Archeological and Historical Researcher for Blackwater Maritime Heritage Trail Project

- Implemented the Maritime Heritage Trail concept on the Blackwater River and conducted a 360-degree mapping project with Terrain360.
- Conducted historical research on terrestrial and underwater prehistoric and historic archeological sites and shipwrecks for a 360-degree virtual river-view tour of the Blackwater River.
- Directed conducted drone work to take aerial photos that match historic photographs discovered in archives.
- Utilized and managed 360-degree camera systems on land, air, and sea.
- Took underwater photographs and videos of historic shipwrecks.
- Conducted archival work to present historical information to a range of recreational boaters properly.
- Organized public outreach events along the Blackwater River to inform recreational boaters of the river's archeological resources.
- Built, organized, edited, and maintained a website for the Blackwater Maritime Heritage Trail.
- Managed social media accounts (Facebook, Instagram, Twitter) and launched advertising campaigns.
- Created Public Outreach plans in coordination with the Florida Public Archeology Network.

Scholarships, Grants, and Awards

2019, Bagdad Waterfronts 501(c)3 Phase I Blackwater Maritime Heritage Trail Scholarship (\$1500)
 2019, Blackwater Pyrates Graduate Researcher Grant (\$1500.00)
 2019, Bagdad Waterfronts 501(c)3 Presentation and Travel Grant (\$1000.00)
 2017-2019, Department of Anthropology Teaching Assistantship, UWF
 2019, Graduate School Travel Grant, UWF (\$500.00)
 2019, College of Arts, Social Sciences, and Humanities Matching Travel Grant, UWF (\$250.00)
 2019, Department of Anthropology Matching Travel Grant, UWF (\$250.00)
 2018, Bagdad Waterfronts 501(c)3 Phase I Blackwater Maritime Heritage Trail Scholarship (\$3000)
 2018, Bagdad Waterfronts 501(c)3 Presentation and Travel Grant (\$1000.00) 2018, Blackwater Pyrates Graduate Researcher Grant (\$1250.00)
 2018, Student Government Association Travel Grant, UWF (\$500.00)
 2017, Pensacola Archaeological Society Student Research Award (\$400.00)
 2017, Archaeology Institute Grant for Conference Travel, UWF (\$500.00)
 2016, Office of Undergraduate Research Grant, UWF (\$1000.00)

Academic Publications

- Van Slyke, Andrew J., and Joshua Marano
 2023 *Hunting HMS Tyger, 1742: Identifying a Ship-of-the-Line in Dry Tortugas National Park.* International Journal of Nautical Archaeology.
<https://doi.org/10.1080/10572414.2023.2263793>.
- Van Slyke, Andrew J.
 2021 *Two Wrecks in a Historic Careenage: The Case for Identification of the Deadman's Island and Town Point Shipwrecks in Pensacola, Florida.* International Journal of Nautical Archaeology, Vol. 50(1), 154-164. <https://doi.org/10.1080/10572414.2021.1951069>.
- Van Slyke, Andrew J.
 2019 From *Who's Afraid* to *Yo Solo*: The Hunt For HMS *Mentor*. Master's thesis, Department of Anthropology, The University of West Florida, Pensacola, FL, USA.

Professional Works

- 2023 *Maritime Remote Sensing Survey for Fort Callville (1865) 315 ft. deep in Lake Mead National Recreation Area.* LAKE_2023_SRC-00285, End-of-Fieldwork Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2023 The West Turtle Shoals (8MO0142) and Coffins Patch (80MO0137) Wrecks. On file at the Florida Bureau of Archaeological Research, Tallahassee, Florida.
- 2023 Section 110 Marine Survey of Paterson Great Falls National Historical Park (PAGR), PAGR_2023_SRC-00283 End-of-Fieldwork Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2023 *Guerrero/Nimble Survey Anomaly Investigation/ Youth Diving With a Purpose and Section*

- 110 Magnetometer Survey*. BISC_2023_SRC-00273, End-of-Fieldwork Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2023 *The Swivel Gun of “The Shot Wreck” (8MO0135)*. Unpublished Manuscript. On file at the Florida Bureau of Archaeological Research, Tallahassee, Florida.
- 2022 *The 1622 Tierra Firme Fleet and the Earliest Shipwrecks in the Dry Tortugas*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2022 *Cape Florida and the Maritime Cultural Landscape of British Biscayne National Park*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2022 *Dry Tortugas National Park 2022 CSI/ASMIS Problems and CRIS Site Description and Maritime Remote-Sensing, September 2022*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2022 *George Washington Birthplace National Monument Maritime Remote-Sensing Survey, April 2022*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2021 *Colonial National Historical Park and Captain John Smith Chesapeake National Historical Trail Remote-Sensing Survey, June 2021*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2021 *1554 Padre Island Wrecks: Synthesis and Santa Maria de Yciar*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2020 *The Pirate-Slaver Guerrero and HBM Nimble: Reconstructing the Marine Environment to Argue Identity*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2020 *Shipwreck Survivor and Salvage Camps: Finding the 1554 Flota’s Terrestrial Component*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2020 *The 16th to 18th-century Biscayne Maritime Cultural Landscape Study*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.
- 2020 *The 16th to 19th Century Dry Tortugas National Park Maritime Cultural Landscape*. Technical Report. On file at the Submerged Resources Center, Lakewood, CO.

Professional Presentations

- 2023 *Maritime Legacy: Blood and Water, Before and After Columbus made Camp in St. Ann’s Bay, Jamaica*, Society for Historical Archeology Annual Conference, Lisbon, Portugal.
- 2023 *The 1622 Tierra Firme Fleet in Dry Tortugas National Park*, Society for Historical Archeology Annual Conference, Lisbon, Portugal.

- 2020 *Two Wrecks in a Historic Careenage: The Case for Identification of the Deadman's Island and Town Point Shipwrecks in Pensacola Bay, Florida*, Society for Historical Archeology Annual Conference, Boston, MA.
- 2020 *Testing Photogrammetric Methods on Submerged Prehistoric Sites in Florida*. Society for Historical Archeology Annual Conference, Boston, MA.
- 2019 *Two Wrecks in a Historic Careenage: The Case for Identification of the Deadman's Island and Town Point Shipwrecks in Pensacola Bay, Florida*, Pensacola Archeological Society, Pensacola, FL.
- 2019 *From Who's Afraid? to Yo Solo: The Hunt for HMS Mentor*, Pensacola Archeological Society, Pensacola, FL.
- 2019 *From Who's Afraid? to Yo Solo: The Hunt for HMS Mentor*, Bagdad Village Preservation Association, Bagdad, FL.
- 2019 *Two Wrecks in a Historic Careenage: The Case for Identification of the Deadman's Island and Town Point Shipwrecks in Pensacola Bay, Florida*, Society for Historical Archeology Annual Conference, St. Charles, MO.
- 2018 *UWF's 2018 Summer Maritime Field School Prospective Field Work* (co-presenter), Pensacola Archeological Society, Pensacola, FL.
- 2018 *The Blackwater Maritime Heritage Trail: Concept and Innovation*, Bagdad Village Preservation Association, Bagdad, FL.
- 2018 *From Who's Afraid? to Yo Solo: The Hunt for HMS Mentor*, Society for Historical Archeology Annual Conference, New Orleans, LA.
- 2018 *2017 Emanuel Point Shipwrecks and 2017 Maritime Field School Summary Lecture* (co-presenter), Emerald Coast Archeological Society, Fort Walton, FL.
- 2018 *The Blackwater Maritime Heritage Trail: Concept and Innovation*, Santa Rosa County Economic Development Council, Gulf Breeze, FL.
- 2017 *Discovery of USS Preble: Union Sloop of War lost in Pensacola Bay in 1863*, Guest Lecturer, Archeological Field Survey Course, UWF, Pensacola, FL.
- 2017 *Re-discovery of Deadman's Island Shipwreck: The HMS Florida Surveying Schooner*, Guest Lecturer, Archeological Field Survey Course, UWF, Pensacola, FL.

Certifications and Training

U.S. Department of the Interior, National Park Service, Diving Certifications:

- National Park Service Dive Examiner (Federal Dive Instructor)
- National Park Service Blue Card Certification (Federal Diver)
- Oxygen Booster Operator Certification
- Fill Station Operator Certification
- Diver Propulsion Vehicle (DPV) Diving Certification
- Altitude Diver Certification

Dive Certifications:

- TDI X-CCR Air Diluent Diver Certification
- PADI Master Diver Certification
- SDI/TDI Research Diver Certification
- SDI/TDI Advanced Open Water Diver Certification SDI/TDI
- Open Water Diver Certification
- SDI/TDI Enriched Air / Nitrox Diver Certification SDI/TDI Dry
- Suit Diver Certification
- SDI/TDI Full Face Mask Certification
- American Academy of Underwater Sciences (AAUS) Scientific Diver

DOI Motorboat Operator Certification Course (MOCC)

American Red Cross CPR, First Aid, Oxygen Administration, and AED Certification

Professional Memberships

The Maritime Legacy Project

Register of Professional Archaeologists

Society for Historical Archeology

Bagdad Waterfronts Florida Partnership 501(c)3