

TREVOR GITTELHOUGH, M.A., RPA

YEARS OF EXPERIENCE | 13

Trevor H. Gittelhough is an archaeologist, specializing in underwater cultural resources, with over a decade of experience in archaeology, including both cultural resources management and academic projects. This experience includes site monitoring; surveys and excavations; laboratory sorting, cataloging, and analysis; and conservation. He has conducted environmental, paleontological, and cultural resources work throughout California, Nevada, Oregon, and Florida in support of compliance with California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA) and Sections 106 and 110 of the National Historic Preservation Act (NHPA) for public and private sector clients including a range of local, state, and federal agencies such as Southern California Edison, the United States Navy and Air Force, Caltrans, and FEMA.

He has experience in team management in the terrestrial and underwater archaeological management sectors, with expertise in implementation of mitigation and monitoring projects; report production; and coordination with Indigenous groups. Underwater and Indigenous archaeology are Mx. Gittelhough's specialty, which is enhanced by his skill and experience in sailing, diving, and prehistoric technology construction. His research interests included maritime technologies and practices, settlement patterns, trade and exchange, colonial interactions, prehistoric technologies, and anthropological/archaeological theory. In addition, he has expertise in illustration of artifacts, stratigraphic and excavation unit profiles, site maps, GIS, remote sensing, and underwater excavation and mapping techniques.

Mx. Gittelhough technical skills include terrestrial and submerged archaeological survey, excavation, and site testing. He has authored numerous site records and technical reports detailing the results of cultural resources work, as well as academic articles. He has also had thorough training in artifact analysis and specializes in lithic analysis and maritime conservation. His academic background includes advanced training in conservation and underwater archaeology. He has extensive training at the graduate level and earned his M.A from East Carolina University, before attending Texas A&M University for his PhD. Mr. Gittelhough is Registered Professional Archaeologist, a member of the Society for American Archaeology (SAA), a member of the Society of Historical Archaeology (SHA), and a member of the Society of California Archaeology (SCA).

EXPERTISE

- Indigenous Archaeology
- Underwater Archaeology
- Archaeological excavation, testing, and data recovery
- Ceramic analysis
- Technical Writing
- Marine shell analysis
- Preservation and Conservation
- Maritime History
- Historic, ethnographic, and archaeological research
- Legislative and Regulatory Compliance
- Remote Sensing
 - Sub-Bottom
 - Magnetometer
 - Side-Scan
 - ROV/Drone
- Human and animal bone identification
- Lithic analysis
- Mapping and Illustration

REGISTRATIONS / CERTIFICATIONS

Meets and exceeds requirements in the Bureau of Ocean Energy and Management Guidelines in Marine Archaeology
Meets and exceeds requirements in the Secretary of the Interior's Professional Qualification Standards in History
Meets and exceeds requirements in the secretary of the Interior's Professional Qualification Standards in Archaeology
Register of Professional Archaeologists; 2018-Present

TRAINING

HAZWOPER Certification; 2018 - 2023

ESRI GIS Certification

AAUS Scientific Diver

Red Cross First Aid

Red Cross CPR

DAN Divers First Aid

PROFESSIONAL EXPERIENCE

Texas A&M University; July 2024 – Present; Supported the university and professors with archaeological lab research, field work, and teach assistance; *Graduate assistant*

Tradewinds Archaeology; November 2020 – Present; Company helps create sustainable tourism programs centered around maritime archaeology and history, as well as provided underwater services for historical societies in museums; *Founder*

HELIX Environmental; March 2021 – September 2023; Developed and managed the burgeoning underwater archaeology program, while assisting with terrestrial projects throughout California; *Assistant Manager; 40 hrs./week*

SWCA Environmental Consultants; October 2017 – February 2021; Developed and managed an underwater archaeology program for the West Coast Region, while assisting with terrestrial projects throughout California; *Assistant Project Manager; 40 hrs./week*

East Carolina University; 2015 – 2017; Conserved materials and artifacts for the Joyner Library Special Collections, including rare manuscripts and documents; *Graduate Assistant; 20 hrs./week*

DUDEK; 2012 – 2015; Undertook and managed terrestrial surveys, excavations, and monitoring throughout southern California. *Staff Archaeologist; 40 hrs./week*

Applied Earthworks; 2011 – 2012, 2015; Undertook and assisted with terrestrial surveys, excavations, and monitoring jobs throughout California and Oregon. *Cultural Resource Specialist; 40 hrs./week*

SELECT UNDERWATER PROJECT EXPERIENCE

Fitch Submerged Archaeological Resources Assessment. Tradewinds Archaeology was retained to support investigations and assessment of a submerged Paleoindian site in the Big Bend area of Florida. Involved excavation and geological sediment cores. *Role: Field Supervisor*

J&J Hunt Submerged Archaeological Resources Assessment. Tradewinds Archaeology was retained to support investigations and assessment of a submerged Paleoindian site in the Big Bend area of Florida. Involved excavation and geological sediment cores. *Role: Field Supervisor*

Ladybug Sink Archaeological Investigation; Retained to assist in investigations and testing of submerged sinkhole in the Aucilla River of Florida. Involved underwater excavation and geological micromorph sampling. *Role: Underwater Archaeologist*

Saint Croix Submerged Cultural Landscape Survey. Retained to support a marine survey of high probability locations of submerged resources surrounding Saint Croix in order to assist in the formation of a maritime cultural landscape overview of the island. Involved diver and ROV surveys of points of interest around the island. *Role: Underwater Archaeologist*

Fitch Submerged Archaeological Resources Assessment. Retained to support investigations and assessment of a submerged Paleoindian site in the Big Bend area of Florida. Involved underwater survey and remote sensing analysis. *Role: Underwater Archaeologist*

J&J Hunt Submerged Archaeological Resources Assessment. Retained to support investigations and assessment of a submerged Paleoindian site in the Big Bend area of Florida. Involved underwater survey and remote sensing analysis. *Role: Underwater Archaeologist*

Ladybug Sink Submerged Archaeological Resources Survey. Retained to assist in investigations and testing of submerged sinkhole in the Aucilla River of Florida. Involved underwater excavation, geological sediment cores, and diver survey of Paleoindian resources. *Role: Underwater Archaeologist*

Panhandle Submerged Archaeological Resources Assessment. Retained to support investigations and testing of submerged Paleoindian sites of the Panhandle region of Florida. Involved underwater excavation, geological sediment cores, and data recovery of significant Paleoindian sites. *Role: Underwater Archaeologist*

Vanderbilt Museum Waterfront. Retained to identify the original location of a historic dock constructed by the Vanderbilts to serve their property on Long Island, in order to support bids for waterfront revitalization at the Vanderbilt Museum and across Long Island. Included historic research and sub-surface survey (remote sensing and manual dives). *Role: Principal Investigator and Underwater Archaeologist*

Florida Panhandle Archaeological Investigation. Retained to support investigations submerged Paleoindian sites off the coast of the eastern portion of the Florida Panhandle. Included remote sub-surface survey supported by manual subsurface surveys and excavation. *Role: Underwater Archaeologist*

Walker Lake Submerged Precontact Survey. Assisted with the use of sub-bottom profilers to identify paleo-landscapes in Nevada lakes to identify possible site locations. Included remote sub-surface survey supported by manual subsurface diving and excavation. *Role: Underwater Archaeologist*

California Reservoir Surveys. Completed subsurface surveys of California reservoirs with remote-sensing technology to test capabilities to identify submerged prehistoric resources. *Role: Principal Investigator and Underwater Archaeologist*

Pillar Dollar Wreck Investigations. Assisted the investigation of a historic Spanish shipwreck, including excavation, mapping, sampling, and photogrammetry. *Role: Underwater Archaeologist*

SELECT TERRESTRIAL PROJECT EXPERIENCE*

San Nicholas High Explosive Training Building Phase II. Retained by the United States Navy to provide cultural resource support for the construction of several buildings and access roads to be used for high-explosive land-to-sea missile testing on San Nicholas Island. Included archaeological survey of the project area, analysis of archaeological sensitivity, data recovery of a late Pleistocene/Early Holocene era site, and monitoring of ground disturbing activities. *Role: Assistant Project Manager*

San Nicholas High Explosive Training Building. Retained by the United States Navy to provide cultural resource support for the construction of several buildings and access roads to be used for high-explosive land-to-sea missile testing on San Nicholas Island. Included archaeological survey of the project area, analysis of archaeological sensitivity, and monitoring. *Role: Assistant Project Manager*

Mission San Gabriel Fire Recovery. Retained by the San Gabriel Mission to test within the mission Church to assess the impacts to cultural resources that may be encountered during the process of repairs to the church due to water and structural damage. *Role: Archaeologist*

San Gabriel Great Streets Project. Retained by the City of San Gabriel to assess impacts to cultural resources uncovered during road grading and construction near the San Gabriel Mission. Involved testing and analysis of newly identified cultural resources associated with the San Gabriel Mission, identified during monitoring. *Role: Field Director*

Mineral King Road Archaeological Survey. Retained by the National Park Service to survey and assess archaeological resources along Mineral King Road in Sequoia and Kings Canyon National Park, in support of Section 106 requirements for repairs and improvements of Mineral King Road. *Role: Assistant Project Manager and Field Director*

China Lake UXO Survey. Undertook survey of proposed project areas of unexploded ordinance within the boundaries of the Naval Air Weapons Station China Lake for cultural resources. Required close interactions with UXO remediation teams during the survey and resulted in the identification so several previously unidentified historic and prehistoric sites in addition to the re-recording of previously identified sites. *Role: Assistant Project Manager.*

Yosemite Tuolumne Meadows Campground Phase I Archaeology. Retained by the National Park Service to conduct an archaeological testing and survey in support of the proposed modifications to the Tuolumne Meadows Campground in Yosemite National Park. *Role: Assistant Project Manager.*

Compliance Service in the Rehabilitation of Public Transportation Infrastructure- PMIS#256008. Retained by the National Park Service to conduct a cultural resources survey in support of the proposed rehabilitation of Mineral King Mining Road in Sequoia and Mineral King National Park. *Role: Assistant Project Manager.*

ACE CR Monitoring and Management Services for the Trench Package; The San Gabriel Valley Council of Governments (SGVCOG); San Gabriel, Alhambra, Rosemead, Los Angeles County, California. Conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. Oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist.*

Cultural Resources Monitoring for SSRP C05 Lincoln Blvd and Rose Ave; MNR Construction, Inc.; Los Angeles, Los Angeles County, California. Retained by MNR Construction on behalf of the City of Los Angeles Department of Public Works, Bureau of Engineering (LADPW BOE), to prepare a Cultural and Paleontological Resources Monitoring and Mitigation Plan (CPRMMP) in support of the Secondary Sewer Renewal Program (SSRP) CO5 Lincoln Boulevard and Rose Avenue in the City Los Angeles (project). This CPRMMP describes a procedural framework to identify, evaluate, and treat any cultural and paleontological resources that are encountered during construction. *Role: Assistant Project Manager.*

SCE Cultural Resources Master Services Agreement; Southern California Edison Company; Multiple Counties, California; Retained to support the execution of thousands of projects in support of Southern California Edison (SCE) operations and maintenance activities throughout California. Projects have included pedestrian surveys, testing, resource evaluations, monitoring, and emergency response work for prehistoric and historic resources. *Role: Assistant Project Manager.*

Lucas Museum of Narrative Art Project Paleontological Monitoring; Lucas Museum of Narrative Art; Los Angeles, Los Angeles County, California. Retained by the developer to conduct paleontological and cultural resources on-call services. During the course of construction, a historic-era neighborhood was identified. The project was kept on schedule while emergency data recovery was conducted. Resulted in a technical report and mitigation to impacted resources. *Role: Assistant Project Manager.*

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Resume

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Paradise Cove Mobile Home Park Project; Paradise Cove Land Co, LLC; Los Angeles County, California. Provided archaeological mitigation for a joint utilities project conducted as part of a California Public Utility Commission (CPUC) special program to upgrade aging infrastructure and install individual meters within the Paradise Cove Mobile Home Park. Developed a cultural resources treatment plan, conducted preconstruction archaeological testing, and recovery of monitoring finds, including Indigenous burials. *Role: Cultural Resources Specialist.*

Rincon Point Phase II Testing, Mitigation, and Monitoring Project. Phase II and Phase III excavations of known Chumash village site at Rincon Point, CA-SBA-1 and CA-VEN-62. Required excavation of numerous test units and continuous monitoring of all ground disturbing activities resulting in the identification of a previously unidentified burial site requiring intensive co-ordination with tribal members and Most Likely Descendent. *Role: Field Director*

CA-SBA-1547 Data Recovery. Vandenburg Airforce Base. Phase III Data Recover of a 10,500-year-old Chumash site within Vandenburg Airforce Base. *Role: Cultural Resources Specialist*

CA-SBA-1041 and CA-SBA-1040 Testing and Mitigation. Vandenburg Airforce Base. Phase II testing of a Chumash site within an area of known unexploded ordinance, requiring test units and co-ordination with UXO professionals. *Role: Cultural Resources Specialist*

Survey and Testing for City of Albany Water Utility. Albany Oregon. Phase II testing along proposed path of water utility line for the city of Albany, Oregon. Implementation of test pits to identify cultural resources and boundaries of newly and previously identified archaeological sites. *Role: Cultural Resource Specialist.*

**Additional Project information available on request, including paleontological resume*

SELECTED REPORTS / PUBLICATIONS*

2020: Mineral King Road Archaeological Survey, Sequoia National Park, Tulare County, California; Co-authored by Trevor Gittelhough and Alex Wesson

2020: Archaeological Inventory, Testing, and Evaluation for the Tuolumne Meadows Campground Rehabilitation Project, Yosemite National Park, California; Co-authored by Trevor Gittelhough and Matthew Behrend.

2019: Tribal Cultural Resources Assessment for the Southern California Flower Market Project, City of Los Angeles, Los Angeles, California; Authored by Trevor Gittelhough

2010: Shamanism is Paleolithic Art; Journal for the Society of Anthropology at University of California Santa Barbara

**Additional report and publication information available upon request, including paleontological reports*

RESEARCH/LAB EXPERIENCE*

2015-2016: Joyner Library Special Collections. Undertook the preservation and repair of rare and historic texts, pamphlets, and books, using advanced and cutting-edge techniques.

2011; UCSB Ceramics Laboratory. Investigation and recordation of ceramic artifacts from Egypt and North Africa in support of research by Stuart Smith, Ph.D.

2011; Internship at the UCSB Collections at the Repository for Archaeological and Ethnographic Collections. Involved analyzing and recording incoming collections to the repository, updating and cataloging current archaeological collections and records, and the preservation of all archaeological remains.

2009-2010; UCSB Dirt Laboratory. Processed archeological samples, consisting of marine faunal remains, lithics, and ceramics. Digitizing excavation maps, and cataloging artifacts, from ongoing investigations by UCSB professors occurring around the world

2009; Research Assistant. Processed, and cleaned paleontological materials from cast sent to Saddleback College by universities and museums from across the United States.

PRESENTATIONS

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2024: Maritime Cultural Landscape of Saint Croix, USVI; Presentation at the 57th Society for Historical Archaeology Conference in Oakland, CA, 2024

2022: Reservoirs of Knowledge: An Examination of Inundated Resources; Presentation at the 88th Society for American Archaeology Conference in Portland, OR, 2022

2022: Reservoirs of Knowledge: An Examination of Inundated Resources; Presentation at the 56th Society for California Archaeology Conference in Visalia, CA, 2022

2022: Tomol's and "the carrying of many people": Indigenous Resilience and Resistance in the Santa Barbara Channel; Presentation at the 56th Society for California Archaeology Conference in Visalia, CA, 2022

2020: Tomol's and "the carrying of many people": Indigenous Resilience and Resistance in the Santa Barbara Channel; Presentation at the 87th Society of Historical Archaeology Conference in Boston, Mass., 2020

2016: Force Analysis of Ancient Greco-Roman Rams and Warships; Presentation at the 83rd Society of Historical Archaeology Annual Conference in Denver, TX, 2016 [Co-author: Sean Cox, Kristina Fricker]

MEMBERSHIPS

Society for American Archaeology (SAA)
Society for Historical Archaeology (SHA)
Society for California Archaeology (SCA)

Divers Alert Network (DAN)
Advisory Council of Underwater Archaeology for the
SCA

REFERENCES

Gilbert Unzueta, Another Chumash Resource
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