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21

ANNUAL REPORT

**SONOMA
STATE**
UNIVERSITY

ANTHROPOLOGICAL
STUDIES
CENTER

MISSION

The Anthropological Studies Center (ASC) at Sonoma State University conducts contract and grant-based projects in the field of Cultural Resources and Heritage Management. The work we do benefits our federal and state clients, tribal and local communities, the heritage and historical disciplines, the general public, and most particularly, SSU students.

ASC fulfills its threefold mission in education, research, and public service by:

Creating opportunities for SSU students to learn procedural, analytical, and technical skills as heritage professionals working on real-world contracts and projects.

Maintaining the David A. Fredrickson Archaeological Collections Facility in which hundreds of thousands of artifacts are available for student and professional research.

Developing publications, exhibits, displays, and web content to bring our interpretations of the past to descendant communities and the general public, while promoting the importance of heritage resources.

Cover photo: A field crew looks for archaeological deposits in the Owens Valley in Eastern California. All photos by ASC staff except where noted.

FROM THE DIRECTOR

We are nearly two years into the COVID pandemic and there is still no real end in sight. We have all adapted to new norms of behavior, yet we see continued impacts on the economy, our social practices, and our educational system. Although nowhere near as devastating, the impacts we see today are a small reminder of what Native Americans suffered through as North and South America were colonized beginning more than 500 years ago. The tragic loss of millions of lives and the devastation of communities and cultures can never be rectified. Yet, we can take solace in knowing that humanity is resilient. Many Native Californian communities are thriving again, protecting their sacred sites, preserving traditions, and rebuilding that which was lost. They do all of this while charting new pathways for a changing world.



Thomas G. Whitley

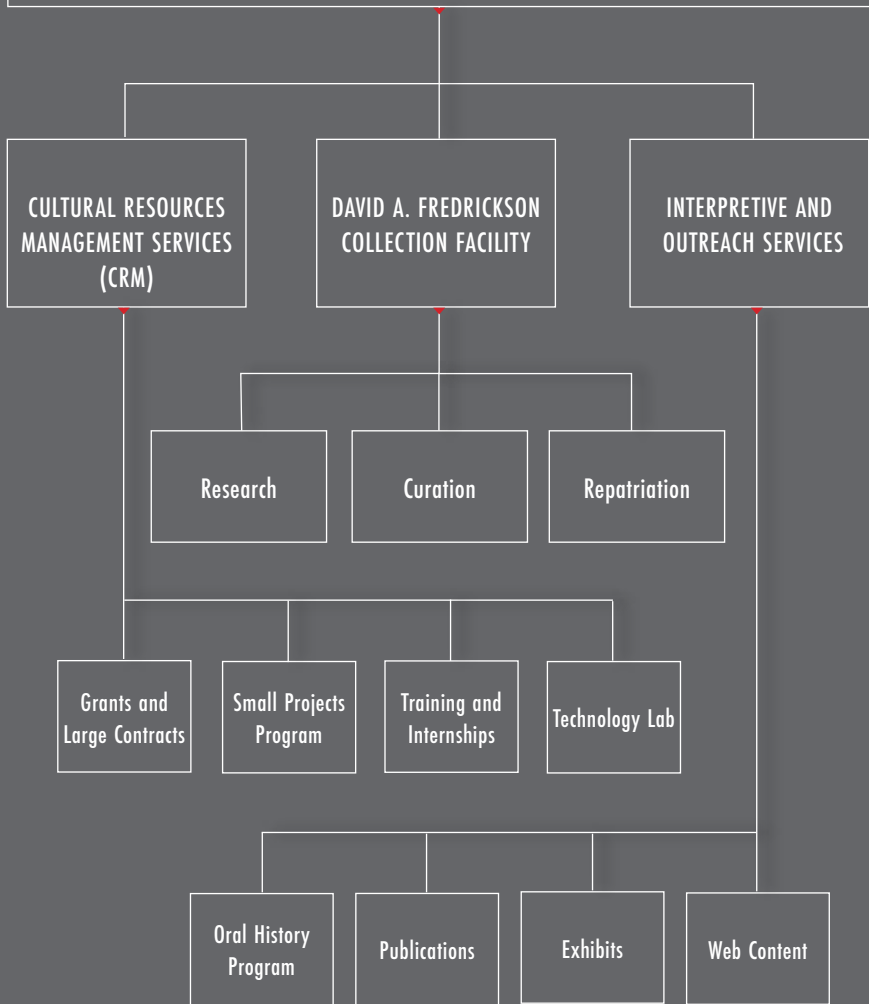
A new bill from the California legislature, known as CalNAGPRA (CA State Assembly Bill 275), went into effect in 2021. This bill begins the process of repatriating significant archaeological collections with descendant tribal communities around California. ASC plays a special role in helping to facilitate this process for SSU, and several other CSU campuses. As an organization dedicated to the protection and preservation of cultural heritage, in all its meanings, we acknowledge the role of archaeologists in removing critical heritage from its original context, sometimes to "protect" it from destruction. Those decisions were (and are) not always made in the best interests of the descendant communities. We believe that our mandate is to educate and train the heritage professionals of the future, but never at the expense of those whose heritage we hope to preserve. In fact, we believe that our mandate also includes seeking new ways of communication, collaboration, and consultation to keep California at the leading edge of tribal engagement in CRM. Although this is in no way all that we do at ASC, we hope to continue to make progress.

This annual report illustrates some of our more recent work, in all areas, and has been given a new look to highlight what we do, how we do it, and why. I hope you enjoy reading it and you share our goals.

Thanks for your support!

A stylized, handwritten signature in dark ink, appearing to read 'T. Whitley'.

ANTHROPOLOGICAL STUDIES CENTER



STRUCTURE

The Anthropological Studies Center is a Sponsored Program of Sonoma State University, in the School of Social Sciences, and under the umbrella of the Office of Research and Sponsored Programs. We carry out projects in three areas of expertise:

Cultural Resources Management Services carries out contract and grant-based projects for federal, state, and local agencies, as well as private organizations and individuals. The revenue generated from CRM Services provides real-world experience for SSU students. It also maintains our full-time staff and funds internships and other training opportunities.

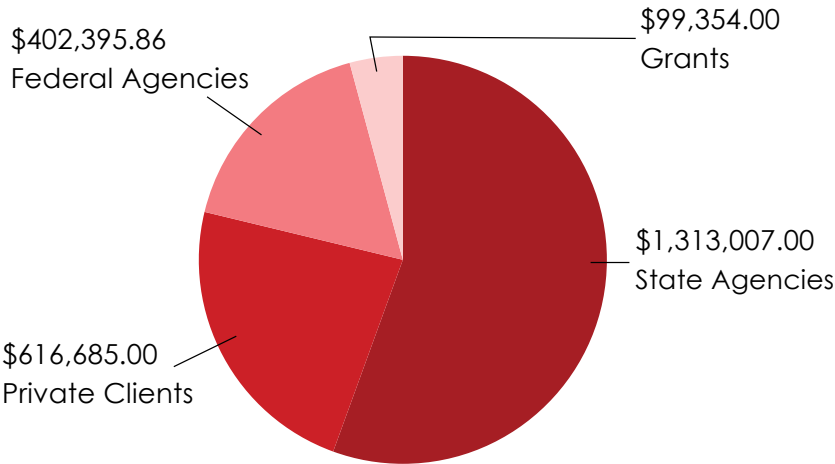
The David A. Fredrickson Archaeological Collections Facility houses archaeological materials from Northern California, and beyond, as a service for state and federal agencies and private CRM firms; and for student and professional research. Primary funding of the facility is maintained by an endowment fund established in 1993.

Interpretive and Outreach Services are focused on creating exhibits, publications, and web content for specific audiences, descendant communities (both tribal and non-tribal), and the general public. These interpretive products are often supported by grants from state and federal agencies.



Chris Ward, and SSU MA alum, Jamie Fratterelli, recording a feature of the Chinn Homestead in the Sierra Nevada foothills, Yuba County.

ASC ACTIVITY 20/21	
Large Projects (over \$10,000)	\$2,264,388.00
State or Federal Grants	\$99,354.00
Small Projects (under \$10,000)	\$67,699.00
TOTAL AWARDS	\$2,431,441.00
Collections Endowment	\$1,594,558.44



GRANTS 20/21	
Speiker Fund	Saddleback Phase II SBR Cairn Study
CAL Humanities	"Ashes to Ashes" Project
National Park Service	Amache ID Unique Resource Type
National Endowment for the Humanities	Updating Amache Interpretive Plan
National Oceanic and Atmospheric Administration	China Camp Cultural Resources

CONTRACTS AWARDED ~ 20/21

SMALL PROJECTS FUND

Bouverie Preserve
Research Mine Mercury
Furnaces Recording
San Jose Faunal
Pt. Arena Fuel Spill Remediation
Soscol Ferry Rd., Napa County
FIGR Virtual Bone ID Workshop
Ukiah High School
2010 Waltzer Rd.
Leveroni Camp 4 & 5
Oak Hill Park Well Citing
Kelly Farm Mitigation
Helman Lane
15301 N. Hwy 1
Arnold Drive Bike Lane
Napa Creek Bicycle Path
MUSD Recycled Water System
LCTA Interregional Transit Center
Novato Grant Ave
Archaeological Site CA-NAP-853
Bradshaw Terminal GHD
NWIC Oral Histories
Jesse Property Survey
Santa Rosa Laguna Treatment Plant
Marin Municipal Water District
Lupin Ridge Road
Point Arena Lighthouse
Turtle Bay Cultural Report
City of Cotati Downtown Civic Center

PRIVATE, LOCAL GOVERNMENT & UTILITIES FUNDS

198 Valencia
360 5th St Project
701 Harrison St Project
725 Harrison St. Project
915 Cayuga ATP
CSP Task 10.2:YBM Interpretive Panels
CSP Task 10.3: CTS Archaeology Displays
Presidio Tunnel Tops
Cooper Creek Addition, Taylor Mountain
Hood Mountain
Sonoma County Regional Parks On-Call
Lake Thurmond Predictive Model
Lake Hartwell Predictive Model
Amache Residential Barrack
Amache Recreation Hall
CSU East Bay: AB-275 Tasks Assistance

Fairfield Osborn Preserve Visitor Center
Stantec RLS TO: #1
Lake Berryessa
Sugar Loaf Trail
Tolay Lake HPMP
Belvedere Tiburon Library
Flood Control Monitoring

STATE AGENCIES

Visitor Behavior Study: Annadel
Annadel Visitor Study: Phase 2
Robert Louis Stevenson State Park
HRSP Cannabis Watershed Phase 1
Bothe-Napa Recreation Hall
Bothe-Napa Inventory
Annadel Inventory
Sugarloaf Inventory
Sonoma County On-Call Monitoring 21-23
Bay Area Curation (Sonoma Co. On-Call)
Archaeological Survey at Tomales Bay
On-Call Tribal Monitoring
Sonoma Misson Bicentennial
Loafer LLC VMP
(Vegetation Management Plan)
Rancho Arroyo Seco VMP
Pepperwood Preserve VMP
McKenzie
Bishop BDU Prescribed Burns
Artesian VMP
Jackson Demonstration State Forest Camp
20 Data Recovery Excavation
Pine Ridge VMP
California CCI Reviews
District 1 NAGPRA
District 1 20-23 Monitoring
District 1 Huichica
District 1 On-Call,
Pacific Legacy Subcontract
District 4 Maintenance On-Call

FEDERAL AGENCIES

Death Valley Tucki Mine
Evaluation of WWII and Mexican Periods,
Point Reyes National Seashore
Whiskeytown
Ft. Barry Rifle Range
MCAGCC - 29 Palms
Cache Creek Survey

PERSONNEL

Thomas G. Whitley, Ph.D. ~ Director
Giovanna Bacigalupi, M.P.A. ~ Business Director
Doshia Dodd ~ Administrator, Starch Grain Analyst
Amy Levine, M.A. ~ Production Coordinator, Graphic Designer

STAFF ARCHAEOLOGISTS

Samantha Dollinger, M.A. ~ Small Projects Coordinator, Social Media Coordinator
Michael Konzak, M.A. ~ CRM Technology Director
Sandra Konzak, M.A. ~ Collections Coordinator, NAGPRA Coordinator
Bryan Mischke ~ CRM Technology Specialist
Dana Ogo Shew, M.A. ~ Oral Historian, Interpretive Specialist
Mark Selverston, M.A. ~ Principal Investigator
Michael Stoyka ~ Osteology/Zooarchaeology Specialist
Sam Suarez, M.A. ~ Collections Specialist
Mark Walker, M.A. ~ Staff Historical Archaeologist

PART-TIME STAFF

Abigail Bennett, Daniel Bergeron, Danielle Claus, Bianca Collver, Zach Erdmann, Jamie Frattarelli, Sally Gaston, Katie Grube, Leslie Hoefert, Safiya Iriarte, Nikki Karapanos, Taylor Love, Mariela Martinez-Garcia, Matthew Neel, (Scotty) Nelson Thompson, Elizabeth Niec, Margaret O'Leary, Bruce Owen, Chris Peske, Dylan Prindle, Rene Rodriguez, Alvin Rosa-Figueroa, Bill Stillman, Amber Tedrow, Bruno Texier, and Chris Ward.

CONSULTANTS

Alexis Boutin, Ph.D. ~ Forensic Anthropologist
Michelle Goman, Ph.D. ~ Geomorphologist
Janet Hess, Ph.D. ~ Tribal Liaison, CalNAGPRA

INTERNS

Elise Blindauer ~ ANTH 597 (Spring 2021)
Emma Bonzo ~ ANTH 497 (Spring 2020)
Theodore Bussell ~ ANTH 497 (Fall 2021)
Danielle Claus ~ ANTH 597 (Spring 2020)
Doshia Dodd ~ ANTH 597 (Fall 2020)
Jamie Frattarelli ~ ANTH 596 (Spring 2020))
Leslie Hoefert ~ ANTH 597 (Fall 2021)
Safiya Iriarte ~ ANTH 597 (Fall 2021)
Nicholas Radtkey ~ ANTH 597 (Spring 2020))
Kai Suter ~ ANTH 597 (Fall 2021)
Amber Tedrow ~ ANTH 597 (Spring 2021)
Madison Tinsley ~ ANTH 597 (Spring 2020)
Heather Warner ~ ANTH 597 (Spring 2020)

VOLUNTEERS ~ Alexander Engelberts, Nicole Sierra Drawsky

ASC staff celebrating the completion of another successful cultural resources survey. Left to right: Mark Selverston, Samantha Dollinger, Bryan Mischke, Chris Ward in back, Michael Stoyka and Doshia Dodd.



DAVID A. FREDRICKSON RESEARCH GRANT IN CULTURAL RESOURCES MANAGEMENT

These grants support researchers affiliated with the ASC — permanent or part-time staff, interns, or volunteers — through funding to complete specific aspects of significant, ongoing CRM research. The award is named in honor of David A. Fredrickson, Director of the ASC from its founding in 1974 to 1992. Fredrickson was a major figure in California prehistoric archaeology and a leader in the development of Cultural Resources Management training nationwide.

Grant funds have helped cover the costs of creating outreach materials such as lesson plans or museum displays, fees for specialist analytical studies, production of technical graphics, and publishing expenses. Research based on ASC-housed collections is encouraged, and may involve one or more subdisciplines of CRM—including architectural history, field or laboratory research in archaeology, ethnography, ethnohistory, and oral history. The research may also involve the study of methods, standards, and conduct of CRM itself. One or more \$500 – \$1,500 research grants may be awarded annually, depending on available funds and interest.

ASC STAFF AND STUDENT GRANTS

ASC staff fund a scholarship as well as a research grant awarded to individuals who are pursuing education or independent research in the field of Cultural Resources Management. The support for these awards comes from the ASC Fund, established in 1992, which has been steadily growing through voluntary payroll deductions from staff and donations from alumni and other friends of the ASC. Over the years, nearly \$25,000 has been distributed to ASC staff and SSU students for their research and thesis projects.

EMPLOYEE SPOTLIGHT

ASC employee and graduate CRM student Doshia Dodd received a 2021 Trustees' Award, California State University's highest recognition for student achievement. Doshia distinguished herself as a model student in Sonoma State's Cultural Resources Management Master's program, undertaking innovative and original research on Native Californian plant utilization. She was also recently honored for her achievement by the Mayor of Rohnert Park!

Doshia represented SSU in the 35th Annual CSU Student Research Competition, is a member of the Lambda Alpha National Anthropological Honors Society, and served as a volunteer coordinator for the 2019 California Indian Conference.

Her professional goal is to become an archaeobotanist and manage a lab that focuses on the recovery, identification and analysis of botanical remains from archaeological sites.



Doshia showcasing the ASC's macro-botanical seed collection in Dr. Goman's lab.

INTERPRETIVE AND OUTREACH SERVICES

ASHES FROM ASHES: RECOVERING CREMAINS FROM THE WRECKAGE OF CALIFORNIA WILDFIRES

As people flee from threatening wildfires, frantically waking family members and collecting pets and belongings from their homes, the ashes of cremated loved ones (cremains) are more often than not left behind. In the tragic event that homes are lost to these increasingly destructive and frequent fires, the inadvertently overlooked cremated remains become part of the charred remnants of people's homes, almost indistinguishable from the burnt debris. Anything that is not salvaged afterward from the wreckage is considered toxic waste and disposed of as such, including the lost ashes of loved ones. However, archaeologists and forensic canines have found a way to recover these cremains from the debris of a destroyed home. This project aims to capture the stories and reflections of the archaeologists, dog handlers, and affected families in a short video that will feature interviews and footage from cremains recoveries.



A forensic dog searches for the scent of cremains in the ash and rubble remains of a home destroyed by fire. Right: Archaeologist Risa DeGeorgey carefully separates cremains from the house debris.





MARINE CORPS AIR GROUND COMBAT CENTER
(MCAGCC), TWENTYNINE PALMS

As part of a large project to refresh and reimagine the interpretive exhibits at the Archaeology and Paleontology Curation Center at the



The military mural and timeline adorn the entrance hallway at the Archeology and Paleontology Curation Center.

MCAGCC, the ASC created and installed a mural and timeline chronicling the Center's military history. From its beginnings as an Air Force training facility in 1941 to its status as the Marine Corps' largest live-fire training complex today, the timeline highlights milestones throughout the Center's 80-year history.

ORAL HISTORY PROGRAM

The Oral History Program supports ASC projects whenever possible, interviewing individuals with specific memories, stories, and information about archaeological sites, historical events, and other cultural resources. Oral histories have been incorporated into a variety of archaeological projects ranging from gold mining history at Empire Mine to the garment industry in San Francisco Chinatown to early pioneers in the Sacramento Valley. The Oral History Program is also involved in oral history-specific projects. Recent examples include the Topaz Toddler Project and the Cremains Oral History Project.



Sarah Simmons and Matt Neel help record oral history interviews for the Cremains Oral History Project.

ORAL HISTORY INTERNSHIP (ANTH 597)

During the Spring 2021 semester, the ASC offered an internship in oral history methods, theory, and technique. Graduate student Elise Blindauer completed the internship under the guidance of ASC Oral Historian, Dana Shew. The internship provided hands-on experience in transcription, development of an oral history project, and also included the creation of a public interpretive exhibit.



The reconstructed barrack, guard tower, and water tank (in the far background) at Amache are focal points of the Amache Interpretation Plan update project.

AMACHE INTERPRETATION PLAN NEH GRANT

Public interpretation at Amache, Colorado's WWII Japanese American incarceration camp, has grown leaps and bounds over the last decade. Because of the many interpretive projects that have been successfully completed, the 2007 Amache Interpretation Master Plan is now outdated. In January 2021, the ASC was awarded a grant from the National Endowment for the Humanities to update this plan. The updated plan will emphasize input from the stakeholder community and will contextualize interpretive themes in today's reality, reframed to address the relevancy, urgency, and necessity of sharing the lessons that Japanese incarceration can offer in today's social and political climate. It will also develop new goals and objectives, considering the new and continued ways in which the public interacts with the site.

TOPAZ TODDLERS

While imprisoned in Topaz, Utah's WWII Japanese American incarceration camp, young toddlers attended Topaz preschools. Like other American preschoolers, they painted, cut, glued, and drew a variety of art pieces. A collection of this art was discovered by the daughters of the late Topaz Preschool Director, Tomiko Sasaki. These art pieces contain the names and in some cases, the birth dates of each artist. This project is tracking down these Topaz Toddlers, reuniting them with their art pieces, and recording their perspectives and memories. An online exhibit will share their art and their stories.



Top: Art pieces by Arthur Moriguchi and Joann Yokota are examples of the Topaz Toddler collection of artwork. **Below:** Toddlers reunited with their art pieces Diane Hoshi-Shimada, Norman Hayashi, and Judy Towata-Wiener.

SMALL PROJECTS PROGRAM

ASC archaeologists conducted more than 17 archaeological resources studies in Sonoma, Napa, Mendocino, and Santa Clara Counties for at least 10 different private clients, as well as seven for GHD. These studies were completed by Scott McGaughey, Samantha Dollinger, Sydni Kitchel, and Thomas Whitley. Architectural Historian, Judith Marvin of Foothill Resources Ltd. was subcontracted on at least two projects this year.

For a study contracted by GHD, ASC Archaeologist Scott McGaughey and Architectural Historian Judith Marvin conducted a cultural resources survey and evaluation of the Lake Berryessa

Resort Improvement District Wastewater Treatment Plant. The work was done in compliance with Section 106 of the National Historic Preservation Act prior to the Napa County Flood Control and Water Conservation District's mitigation of ground water inflow at the plant.



Lake Berryessa Resort Improvement District Survey Area.

TECHNOLOGY LAB

ASC's Archaeological Technology Lab maintains equipment, collects field data, processes and analyzes data, and prepares report graphics and spatial data. Nearly all projects carried out by ASC this year used tools from the Lab, with size and scope ranging from small residential lot surveys to large monitoring projects following natural disasters to the excavation of a prehistoric archaeological site in Yuba County.

The Technology Lab is also home to ASC's field recording instruments. Lab staff manages the GSSI Utility Scan Ground Penetrating Radar (GPR), 5 Trimble GPS units: sub-foot accurate Trimble GeoXH, 6000 Series GeoXT, and 4 iPads. The Technology Lab also has access to a DJI Mavic Pro and a DJI F550 Hexacopter. Projects in need of more precise measurements utilize the ASC's Trimble 5605 Robotic Total Station, with the ability to map resources with centimeter accuracy. The Trimble GPS units, the tablets, and the mobile software offer efficient work flow from data collection into GIS and other software and databases.

The Lab operates desktop computers equipped with current versions of Planetside's Terragen 3D modeling software, GSSI's Radan 7 GPR software, ESRI's ArcGIS Desktop ArcGIS Pro, and ArcGIS Online software, Trimble Pathfinder Office software, Adobe Illustrator, Acrobat and InDesign software. The ASC operates additional computers with ESRI and graphics software outside of the GIS Lab

for general use by staff and student employees or interns.

Importantly, the Technology Lab allows students to become proficient using instruments and software considered standard in CRM and many other industries. Both ASC projects and SSU internships provide students with hands-on training from office to field, and back to the office.



ASC archaeologist Michael Konzak and SSU CRM Graduate Student Safiya Iriarte assisting SSU facilities search for possible damage to SSU's Storm Drain system.

FAUNAL LAB

The Faunal Lab identifies and analyses remains from both existing archaeological collections and current field investigations.

ASC's working relationship with California tribal groups continues to flourish despite the pandemic. Tribal members from the Bay Area, Napa, Sonoma, and Lake counties were involved with consultations and on-the-spot bone identifications in active field settings. As a result of relationships developed with Lake County tribal groups during various fires, there were consultations with some of those who later worked on fire related tasks in the area around Paradise, California. Of particular note is the continuing working relationship with the Federated Indians of Graton Rancheria (FIGR). This year we also led a full day, virtual, online bone identification workshop for tribal members.

Other projects for the Faunal Lab included collaborating with consulting firm Holman and Associates to analyze and report on historic-period faunal remains from a site in San Jose; assisting Caltrans in identification of remains in existing collections; and conducting tasks related to ASC's ongoing compliance with Federal NAGPRA and CalNAGPRA.

Professional relationships were maintained with the Academy of Sciences in Golden Gate Park, San Francisco, as the ASC utilized comparative collections in the departments of Ornithology and Mammology, Ichthyology and Herpetology.



COLLECTIONS

DAVID A. FREDRICKSON

ARCHAEOLOGICAL COLLECTIONS FACILITY

The David A. Fredrickson Archaeological Collections Facility (ACF) is one of the largest such facilities in northern California. It houses and maintains over 2,000 archaeological collections as educational, scholarly, and heritage resources. This number continues to grow, as new collections are accepted each year. Although the ACF building does not fully meet 36 CFR 79 standards (it has no climate control), it is alarmed, staffed, has a fire-suppression system, and is supported by an endowment of over \$1,000,000 from curation fees. At ACF collections are maintained in perpetuity in a stable environment; made available to students, scholars, and the general public for research and educational display, in accordance with ACF's policies. These collections are considered a resource for the future.

This year, ACF staff continued their ongoing efforts to make collections available to a wide audience of researchers and other users by converting each collection's hard-copy documents to digital format. The facility also hosted a number of visiting researchers, both from within the Sonoma State community, and from other institutions. ACF had four interns, CRM program graduate students Doshia Dodd, Amber Tedrow, Leslie Hoefert and Theodore Bussell.



From the ACF collections: a pair of glass vases, found during excavations at the site of James and Annie Moorhead's 1870s San Francisco home.

NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT COMPLIANCE (NAGPRA)

NAGPRA is a Federal law that requires museums that receive Federal funds to offer for repatriation ancestral remains and certain Native American cultural items to lineal descendants and culturally affiliated Native American tribes, and Native Hawaiian organizations, through a process of identification and inventory in consultation with the appropriate tribes and organizations.

ACF originally possessed 97 collections subject to NAGPRA. Of these, 36 have been repatriated, reburied, or returned to the controlling agency. Inventories of all of collections subject to NAGPRA under the possession and control of ACF have been submitted for publication in the Federal Register.

ACF sees the NAGPRA process as a chance to initiate and strengthen relationships with the Native American community, with the goal of paving the way for mutually beneficial research opportunities in the future. Until such time as the tribes are ready to claim cultural materials and ancestral remains identified under NAGPRA, ACF holds these collections in trust. This means that no research is allowed on the collections except with written permission from the tribe.

CALIFORNIA NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT COMPLIANCE (CALNAGPRA)

CalNAGPRA is a State law which closely mirrors Federal NAGPRA. CalNAGPRA was amended in 2021 through AB-275, which in part requires repositories receiving State funding to submit to the Native American Heritage Commission, inventories and summaries of all Native Californian cultural materials within their holdings, and to consult with California tribes on the disposition of these materials. The ACF is actively working toward compliance with AB-275, and welcomes inquiries on these matters from representatives of any California tribe.

ARCHAEOLOGICAL SURVEY FOR THE LOAFER LLC. VEGETATION MANAGEMENT PLAN

As part of the ASC's on-call contract with CAL FIRE, ASC archaeologists surveyed a 1,360 acre tract near Cohasset in Butte County. This work was carried out in advance of vegetation management to reduce fire danger and improve wildlife habitat. The purpose of the survey was to ensure that cultural resources would not be impacted by the planned work. During the course of the survey, the ASC revisited previously-identified sites to assess their current condition, and identified nine new sites.



Top: ASC archaeologists Scott McGaughey, Michael Stoyka, and Mark Walker recording a BRM.

Below: ASC archaeologists Scott McGaughey, Michael Stoyka, and Mark Walker recording wagon ruts.

CULTURAL RESOURCES INVENTORY OF ROBERT LOUIS STEVENSON STATE PARK

The Anthropological Studies Center contracted with California State Parks to inventory the cultural resources of Robert Louis Stevenson State Park. The area features rough terrain, with evergreen forests in the canyons on north-facing slopes and chaparral on the south-facing slopes. Recreational trails traverse the park. Robert Louis Stevenson State Park is where the famous author of "Treasure Island" and "Kidnapped" spent his honeymoon in 1880. Although nothing remains of Stevenson's cabin, the site is identified on the trail to the summit. A small historic-era recreational complex exists in the park, as well features associated with the area's mining history including the remains of the Silverado Mine, the Oat Hill Mine wagon road, and several homesteads. This survey is the first systematic inventory of this large property's cultural resources.

ASC staff, SSU CRM graduate students, and Anthropology department undergrads will continue this work into the next two fiscal years"



Top: Monument on the site of Robert Louis Stevenson's cabin in Robert Louis Stevenson State Park.

Below: ASC survey crew accessing remote parts of Robert Louis Stevenson State Park in a Polaris.

JACKSON STATE FOREST, CAMP 20 DATA RECOVERY

As part of our ongoing contract with CalFire and with the assistance of Sherwood Valley Rancheria, the ASC conducted a data recovery excavation in Jackson State Forest as part of a Forest facilities rehabilitation project. The proposed project took place in an area previously found to be part of a large Native American site that had been determined eligible for the National Register. The ASC excavated six excavation units, a shovel test, and several auger tests to recover over 200 Native American artifacts and identified a highly disturbed portion of the archaeological site.



ASC crew with Sherwood Rancheria THPO and Monitor at the Steam Donkey Interpretive Display at Camp 20 Day Use Area, Jackson Demonstration State Forest.

LAKE COUNTY HAZARD TREES

ASC, Caltrans District 1, Middletown Rancheria of Pomo Indians, Big Valley Band of Pomo Indians, and Yocha Dehe Wintun Nation, collaborated on a cultural resources study and monitoring for the removal of hazardous trees that could affect Lake County highways. These hazard trees were affected by one of recent wildfires in Lake County. Archaeologists surveyed and monitored 113 separate parcels and 5.8 miles of highway.

Over 25 previously recorded sites were re-surveyed and updated and four new cultural resources were recorded.



ASC archaeologist Bryan Mischke on survey in Lake County within Caltrans Right of Way.

RESEARCH MINE

The ASC was contracted by the BLM Ukiah field office to digitally record the Research Mine Mercury Furnaces near Middletown, Lake County. Using a DJI Mavic Pro and various terrestrial cameras, Thomas Whitley, Michael Konzak, and Bryan Mischke captured digital images and movies of the three story concrete structures perched between a creek and a steep hillside, surrounded by dense canopy of trees. This digital data was then analyzed and combined at the ASC using various photogrammetry software packages, including Agisoft Metashape and ESRI Drone2Map, to create a digital 3D model of the furnaces.



Model of the Research Mine Furnaces (Lake County) created with Agisoft Metashape from data collected with a DJI Mavic Pro.

PLACER COUNTY COOPERATIVE FUEL BREAK PROJECT

ASC conducted inventory for a fuel break project along the North Fork American River between Auburn and Colfax at the request of the Placer Resource Conservation District. The Placer County Cooperative Fuel Break Project is part of a larger, multi-year effort designed to lessen the threat of wild fire to populated areas living along the Interstate 80 corridor, west of the river. The project involves private property owners voluntarily making their parcels available. This project phase consists of three large participating landowners, including the Jesuit Retreat Center and the Esoteric Fraternity, a commune founded in the 1890s. ASC crews traversed about 350 acres on 5 private parcels. In general, this was rugged and heavily overgrown terrain, thus the need for a fuel break. Nevertheless, ASC field crews were able to document 18 cultural resources. These resources will be protected during fuel break activities.



Left to right: Chris Ward, Samantha Dollinger, Mike Stoyka, Mark Selverston, and Ryan Poska at the Esoteric Fraternity's blacksmith shop ruins, August 6, 2021.

VEGETATION MANAGEMENT PROGRAM PROJECTS

(Including Artesian VMP, Tomkat VMP, Pine Ridge)

As part of an ongoing contract with Cal Fire, ASC archaeologists conducted several Cultural Resources surveys throughout Northern and Southern California in support of Cal Fire's Vegetation Management Program. The Vegetation Management program uses prescribed burns and other methods to reduce fuel in wildfire prone areas. ASC projects ranged from surveys of private ranches near Pescadero to portions of Henry Coe State Park to LA Water and Power lands in the Owen's Valley.



A field crew clears sections of vegetation to expose and inspect the surface for archaeological deposits in the Owens Valley.

DONORS

Philip Darnal
General Fund Donation

Mary E. Gill
ASC Scholarship & Research Grant Distribution Fund

Lisa C. Hagel-Karns
Anthropological Studies Center Endowment

Carol T. Ingerman
ASC Scholarship & Research Grant Distribution Fund

Sandra M. Konzak
Anthropological Studies Center Endowment

Shin Mune
Topaz Toddlers Project Fund

Giovanna Bacigalupi
Anthropological Studies Center Endowment

Dana O. Shew
Anthropological Studies Center Endowment

Michael Stoyka
ASC Scholarship & Research Grant Distribution Fund

Jon M. Yatabe
ASC Scholarship & Research Grant Distribution Fund





**SONOMA
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