

ANNUAL REPORT

SONOMA ANTHROPOLOGICAL STUDIES UNIVERSITY 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 either available for student and professional research, or are in the process of being repatriated to their appropriate descendent communities.

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.



ABOUT ASO

FROM THE DIRECTOR

2021/2022 was a busy year at the ASC. We continued work on some of our long-term projects like Saddleback Ranch and Empire Mine. But as you can see in this report, we added a wide range of new projects for diverse clients across the state. We were particularly busy in the area of Outreach and Interpretation, with exhibits created for Plumas-Eureka State Historic Park, the Sonoma Mission 200-year anniversary, and others that are still in progress as far afield as the Marine Corps



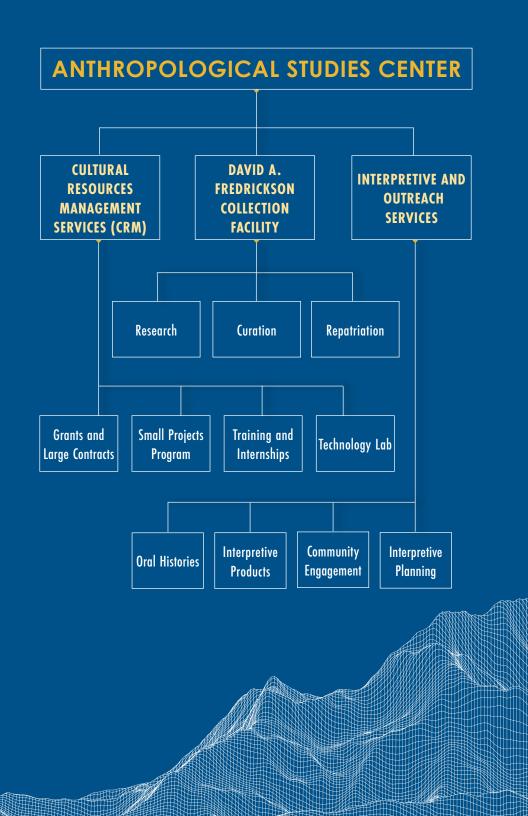
Thomas G. Whitley

Air-Ground Combat Center at Twentynine Palms, Candlestick Park, and the Sacramento Valley. We're seeing an increased amount of development and associated historical and archaeological work in the City and County of San Francisco, particularly with affordable housing projects. After several years of Covid, it is heartening to see a renewal of these efforts.

We also continue to make progress in repatriating significant and sensitive collections to our tribal partners under both NAGPRA and CalNAGPRA, and to move forward with emphasizing non-invasive preservation techniques, wherever possible. To that end, the ASC Technology Lab is at the forefront of finding new applications for heritage management, and training SSU's CRM grad students in their methods. In the next year, we look forward to helping the CRM Masters program implement new modifications, including the dual M.A. and M.S. tracks, and new collaborations with the School of Science and Technology and the Arts and Humanities. The curricular changes and our new affiliated faculty partners will add many new opportunities for students and enhance the ASC's collaborative efforts across the board.

Finally, ASC's 50th Anniversary is coming up in 2024. We celebrated early this year at the Society for California Archaeology meeting in Oakland with a day-long retrospective on our decades of work in California. Former students, staff, and partners, regaled us with stories and even songs about their time at the ASC. At the next SCA meeting, we anticipate delivering a program about ASC's next 50 years, where CRM is headed and how we are going to get there. Stay tuned for that! Meanwhile, best wishes from all of us at the ASC!

Meddin



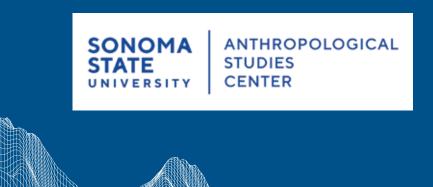
STRUCTURE

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:

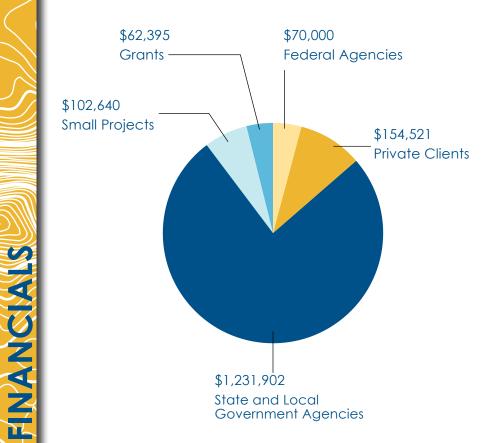
Cultural Resources Management Services carries out contract and grant-based projects for federal, state, and local agencies, as well as private organizations and individuals. The revenue generated from CRM Services provides real-world experience for SSU students. It also maintains our full-time staff 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, Native Californian tribes, and private CRM firms. These collections are either maintained for student and professional research, or are in the process of being repatriated under NAGPRA and CalNAGPRA legislation. Primary funding of the facility is maintained by an endowment fund established in 1993.

Interpretive and Outreach Services focus on engaging the general public and descendant communities (both tribal and non-tribal), creating interpretive products such as exhibits and publications, developing interpretation plans, and conducting oral histories.



ASC ACTIVITY 21/22	
Large Projects (over \$10,000)	\$1,394,027
Small Projects (under \$10,000)	\$102,640
State and Local Government Agencies	\$1,231,902
Private Clients	\$154,521
Grants	\$62,395
TOTAL AWARDS	\$1,559,062
Collections Endowment	\$1,511,058



CONTRACTS AWARDED ~ 21/22

SMALL PROJECTS FUND

Arnold Drive Bike Lane

Napa Creek Bicycle Path

Mendocino Unified School District Recycled Water System

Lake County Transit Authority Interregional Transit Center

Archaeological Site CA-NAP-853

Bradshaw Terminal GHD

Northwest Information Center 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

GHD Geotech Boring

Mitsui Ranch, Phase II

San Jose Quickstrike

Grant Avenue, Novato

LARGE PROJECTS FUND

National Park Service Fort Barry Rifle Range

Saddleback Ranch Site Evaluation

Nevada City Sugarloaf Trail Project

GHD Lake Berryessa

California State University East Bay CALNAGPRA Inventory

Stantec MSA Task Orders

DPR Empire Mine State Historic Park Remediation

DPR On-Call Monitoring

CBRE 630 Cesar Chavez Project

CA Water Board

Sierra Fund Champion Mine Trail Project

Swinerton Presidio Tunnel

DPR Empire Mine State Historic Park Remediation

Calfire On-Call

San Francisco State University China Camp

Sonoma County On-Call

DPR Jones Bar Placer Mine Recording

DPR Malakoff Diggins State Historic Park Remediation

PERSONNEL

Thomas G. Whitley, Ph.D. ~ Director
Giovanna Bacigalupi, M.P.A. ~ Business Director
Amy Levine, M.A. ~ Graphic Production and Social Media Coordinator

STAFF ARCHAEOLOGISTS

Doshia Dodd, M.A. Administrator, Starch Grain Analyst **Samantha Dollinger, M.A.** Small Projects Coordinator **Michael Konzak, M.A.** CRM Technology Director

Sandra Konzak, M.A. ~ Collections Coordinator, NAGPRA Coordinator

Josette Miller ~ Research Technician

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

Mark Walker, M.A. ~ Staff Historical Archaeologist

CELEBRATING 2024! CELEBRATING IN YEARS 1974-2024 **ANTHROPOLOGICAL** STUDIES CENTER **SONOMA STATE** UNIVERSITY



PART~TIME STAFF

Abigail Bennett, Daniel Bergeron, Danielle Claus, Zach Erdmann, Jack Flynn, Sally Gaston, Katie Grube, Leslie Hoefert, Safiya Iriarte, Nikoletta Karapanos, Taylor Love, Mariela Martinez Garcia, Matt Neel, Elizabeth Niec, Bruce Owen, Chris Peske, Dylan Prindle, Rene Rodriquez, Alvin Rosa-Figueroa, Bill Stillman, Amber Tedrow, Bruno Texier, Scotty Thompson, Chris Ward

CONSULTANTS

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

INTERNS

Fall 2021 (ANTH 590) ~ Bianca Collver, Nikoletta Karapanos, Juan Pablo Montez, Sandy Durden, Taylor Love, Cynthia Reyna, Rene Rodriguez.
 Spring 2022 (ANTH 590) ~ Bianca Collver, Nikoletta Karapanos, Juan Pablo Montez, Alexander Engelberts, Doshia Dodd

Fall 2021/Interpretation ~ **Kai Suter** Spring 2022/Oral History ~ **Lena Hammack**

Collections ~ Theodore Bussell, Doshia Dodd, Leslie Hoefert, Amber Tedrow

VOLUNTEER ~ Robert Geiss



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 pre-contact 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.

Oral History and Interpretation Internships (ANTH 597)

During the Fall 2021 semester, the ASC offered an internship in interpretation methods, theory, and technique. Undergraduate student Kai Suter completed the internship under the guidance of ASC Interpretive Specialist, Dana Shew. The internship provided hands-on experience in interpretive exhibit development including text writing, research, and design. Kai successfully completed the internship by creating and installing a display case exhibit interpreting the archaeological excavation of an 1870s San Francisco household. The exhibit was installed at a residential complex that was built where the Victorian-period house once stood.

During the Spring 2022 semester, the ASC offered an internship in oral history methods. Undergraduate student Lena Hammack completed the internship under the guidance of ASC Oral Historian, Dana Shew. The internship provided hands-on experience in the entire process of preparing, conducting, and archiving an oral history interview. Lena successfully completed the internship by conducting an interview for the Northwest Information Center Oral History Project.



INTERPRETIVE AND OUTREACH SERVICES

The Office of Interpretive and Outreach Services encompasses ASC's work in oral history, public interpretation, and public engagement. These efforts aim to interpret the archaeology, history, and ethnography of California to the public through the collection of oral histories; production of museum exhibits, interpretive panels, websites, and videos; and outreach events including presentations to school groups. The ASC also specializes in developing interpretive plans led by our in-house Certified Interpretive Planner, Dana Shew.

ORAL HISTORY

The ASC supports oral history projects whenever possible, interviewing individuals with 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. Stand-alone oral history projects have also been completed, often supported by state or federal grants.

PUBLIC INTERPRETATION AND ENGAGEMENT

The ASC is committed to sharing the results of archaeological, historical, and oral history research with the public and ensuring that the voices of descendants, survivors, and community members are given a platform in which to be heard. These stories of personal experiences are incorporated into interpretive products, and promote engagement with local communities.





Jamison City Exhibit

In May 2022, an interactive touchscreen exhibit about the history of Jamison City was installed at the Plumas-Eureka State Historic Park visitor center. Once a booming gold rush town, Jamison City now exists as an archaeological site, tucked away in an inaccessible part of the park. The digital exhibit allows visitors to visit Jamison City at the touch of their finger, bringing to life the characters and stories of this forgotten town.



A History of the Japanese American Floral Industry



Check out a virtual panel hosted by the Contra Costa Library featuring moderator and presenter Dana Ogo Shew and former Richmond Japanese American flower growers.



Sonoma Mission 200

The Sonoma Mission 200 project was created as a multi-phase effort to listen to the needs and concerns of the community in conjunction with the 200th anniversary of Mission San Francisco Solano, otherwise known as the Sonoma Mission. The State Parks Bay Area District realized that this anniversary was an opportunity to engage with the community and better understand the viewpoints, needs, and expectations of a broader, more inclusive audience. The Sonoma Mission 200 project was based around the main principles of listening, understanding, and implementing. Community engagement efforts consisted of formal tribal government consultations and collecting feedback from staff, volunteers, and stakeholders through meetings and a survey.





To view the entire presentation go to: https://youtu.be/7gQNqFWLoVU?si=4fMOo5OjjGbZjYhj

LARGE PROJECTS PROGRAM

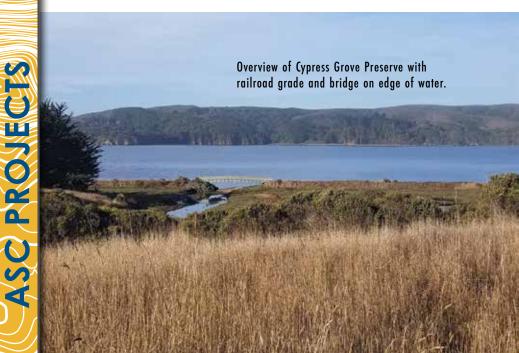
Audubon Canyon Ranch Preserves

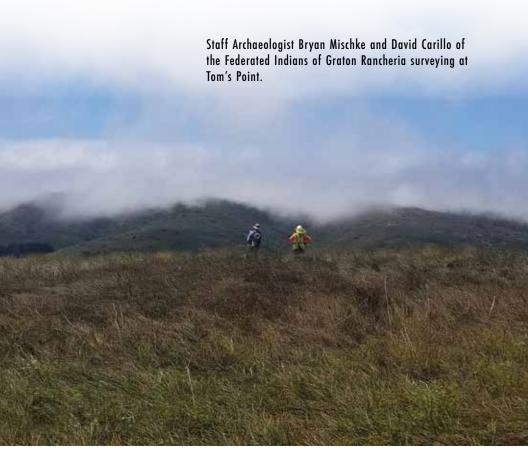
As part of a three-year contract with Audubon Canyon Ranch in Bolinas, California, ASC archaeologists and the Federated Indians of Graton Rancheria Tribal Cultural Monitors conducted cultural resource studies on the approximately 1,000-acre Martin Griffin Preserve, 135-acre Cypress Grove Preserve, and 70-acre Tom's Point. These studies provided a baseline for cultural resources management for future



Bryan Mischke recording a segment of railroad rail.

projects that would address CEQA requirements. ASC recorded new cultural resources including a segment of the Marshall Spur of the North Pacific Coast Railroad. In 2019 and 2020, 580 acres of Bouverie Preserve were surveyed under the same contract.







Bothe-Napa Valley State Park Cultural Resources Inventory

As part of ongoing research with California Department of Parks and Recreation, the ASC conducted a cultural resource inventory of 370 acres in Bothe-Napa Valley State Park. The project priorities were to review existing cultural resources reports, conduct background research of target areas, and to conduct a pedestrian survey. The study areas were locations that had little or no previous surveys, and had burned during the 2020 Glass Fire. During the Glass Fire, DPR Archaeologists monitored the work of fire crews and surveyed immediately after the fire, locating several new cultural resources. These new resources spurred this larger study. ASC crews recorded 58 resources during the inventory including both pre-contact and historic-era resources. The inventoried archaeological sites are of good integrity, and represent a long history and wide variety of land uses within a relatively small area.



Robert Louis Stevenson State Park Survey

The ASC conducted a survey of the east side of Robert Louis Stevenson State Park, including the Palisades, Table Rock, and Oat Hill Mine Road.



Field tech Nikkoletta Karapanos measuring a portion of a rock labyrinth constructed in the 1970's.

Mariela Martinez-Garcia, Zach Erdmann, Nikkoletta Karapanos and Samantha Dollinger surveying on a snowy day in Robert Louis Stevenson State Park.

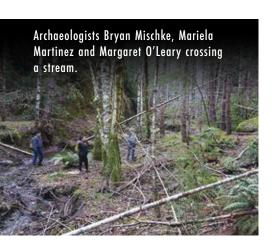




Saddleback Ranch Archaeological Study

The ASC continued its ongoing grant-funded research of the Saddleback Ranch. Evaluation studies began at a single site, CA-YUB-2057. ASC worked with the Institute for Canine Forensics (ICF) to identify features that may be associated with Native American funerary practices so they can be properly documented and avoided. ICF uses highly trained and certified dog-handler teams to locate human remains without ground disturbance, through the dogs' ability to identify certain scents.

Humboldt Redwoods State Park



On behalf of the California DPR, ASC conducted a cultural resource inventory of 3,886 acres of the upper Bull Creek watershed of Humboldt Redwoods State Park (HRSP) from November 2021 to March 2022. This work was conducted as part of Phase I of the HRSP Cannabis Watershed Restoration Project and was funded through DPR's Cannabis Watershed Protection Program (CWPP), which developed the

current project to address impacts to the watersheds within the Park and to help deter future cannabis cultivation.

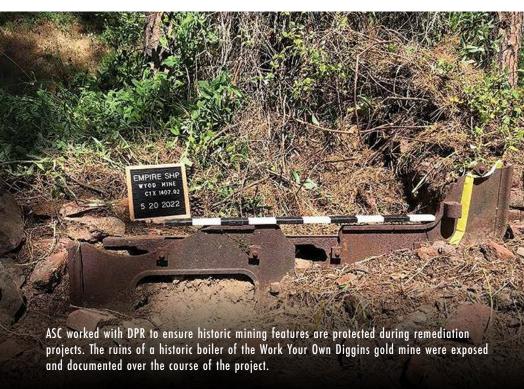
The area has been extensively disturbed by 20th century logging. In spite of the size of the project area the survey identified only 16 sites, in addition to miles of logging roads. These sites were mainly associated with logging camps.

DPR Empire Mine State Historic Park Remediation

In 2022, the ASC conducted archaeological monitoring of the Empire Mine Exclusion Fence Repair and Maintenance Project. Previously

identified archaeological resources determined to be contributing elements of the Empire Mine Historic District were known to exist in the project vicinity. The California DPR determined archaeological monitoring of project-related ground disturbance in sensitive areas was needed. Remains of a 19th-century boiler associated with the Work Your Own Diggings Mine were identified, documented, and protected during the project.





SMALL PROJECTS PROGRAM

In 2021, ASC staff members conducted 13 small projects in Sonoma, Napa, Mendocino, Lake, Marin, Sacramento, and Shasta Counties. Studies were completed by Samantha Dollinger, Danielle Claus, Bryan Mischke, Josie Miller, and Mark Walker for clients including Caltrans, GHD, AMG & Associates, LLC., and the Sonoma Mountain Ranch Preserve Foundation.

Josie Miller and Bryan Mischke conducted a cultural resources study of approximately 22 acres within Mitsui Ranch in Sonoma County. This is the ASC's second cultural resources survey at Mitsui Ranch; the previous one was in 2019. Mitsui Ranch was also surveyed during the Small Projects Internship in 2013.





ASC staff surveyed the Kelseyville High School stadium for an improvement project of the sports field and infrastructure.



TECHNOLOGY LAB

The 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 equipment from the Technology Lab, of a size and scope ranging from small residential lot surveys to extensive construction monitoring projects, to helping guide preservation plans and target archaeological features during excavations.

The Technology Lab is also home to ASC's field recording instruments. Lab staff manages the GSSI Utility Scan Ground Penetrating Radar (GPR) and a suite of GPS and tablets for field recording including the sub-foot accurate Trimble 6000 Series GeoXH, sub-meter accurate Trimble 6000 Series GeoXT and Trimble R2 Bluetooth GPS receiver, two iPads and a Samsung Active3 Tablet. 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 Technology Lab also has access to a DJI Mavic Pro, Mavic Air, and a F550 Hexacopter. 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 GSSI's Radan 7 GPR software, ESRI's ArcGIS Desktop ArcGIS Pro, and ArcGIS Online software, Trimble Pathfinder Office software, Planetside's Terragen 3D modeling 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.



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. The ASC 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.



Sally Gaston prepares collections documents for digitization.

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.

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 the 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.

FAUNAL LAB

Collections processed and analyzed at the Faunal Lab during the 21/22 year included one acquired during excavations at the Saddleback Ranch in Yuba County (CA-YUB-2057). A total of 22 pieces of bone were examined from three excavation units. None were specifically identifiable and had limited research potential due to their small numbers.



As always, tribal relationships were maintained and prioritized. This statement is especially true when referring to FIGR (The Federated Indians of Graton Rancheria) and the Kashia Pomo. On several occasions durina this time period, ASC was asked for consultation services to identify bones found during

tribal work, or on tribal lands. These services were most frequently accomplished from photographs taken on and sent via cell phone. In one instance a site visit was necessary for FIGR on their property. In none of these cases were human remains found or identified.

The Faunal Lab and its comparative collections continue to be useful in identifying bone artifacts from new, incoming collections throughout the year. Work on existing collections curated at the Archaeological Collections Facility related to Federal NAGPRA and CalNAGPRA was also performed.

Professional relations have been maintained with the California Academy of Sciences in Golden Gate Park, San Francisco, due to their impressive in-house collections for ornithology, mammalogy, ichthyology, and herpetology.

INTERNSHIPS

The ASC offers internships every year for Cultural Resources Management graduate students in Archaeological Survey and Site Recording Methods (Fall semester) and Cultural Resources Project Management (Spring semester). These internships provide students with hands-on, real-world experience in advanced archaeological survey and site recording techniques in a variety of locations throughout the North Bay region. During the Fall semester, students learn to identify, record, and map both indigenous and historic-era archaeological resources. During the Spring semester, students learn ethics; contracting, budgeting, and client negotiation; CEQA and Section 106 compliance for small survey and monitoring projects; pre-field research including Northwest Information Center records searches and report organization; field crew management; technical report writing and editing; and report production and graphics.



AWARD FOR DISTINGUISHED SERVICE

Chris Ward and Mark Selverston were awarded a Distinguished Service Award for their contributions to the research and public interpretation of Nevada County history. Notable achievements include the publication of Ward's Cemeteries of the Western Sierra, the creation of Malakoff's French Connection event, extensive work at gold mines in the county, including the Kentucky Ridge slave mine, the study of a historic Nisenan neighborhood at North Bloomfield, identifying ethnographic Nisenan sites, and more.



Photo left to right: Linda Jack (left) and David Bard (far right) of the Nevada County Historical Society give the award to Mark Selverston (center). Chris Ward was not available to attend the ceremony.

HONORS





SONOMA STATE UNIVERSITY

ANTHROPOLOGICAL STUDIES CENTER

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