

**CULTURAL RESOURCES SURVEY REPORT  
FOR THE SAN DIEGO COUNTY WATER AUTHORITY  
MISSION TRAILS FLOW REGULATORY STRUCTURE  
(FRS) II, PIPELINE TUNNEL AND  
VENT DEMOLITION PROJECT**

**Prepared for:**

San Diego County Water Authority  
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**Prepared By:**

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Michael Baksh, PhD.

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**National Archaeological Data Base Information**

*Type of Study:* Cultural Resource Survey

*Sites:* CA-SDI-5655, CA-SDI-11280, CA-SDI-11283, CA-SDI-11284, CA-SDI-11286-88, CA-SDI-5518, CA-SDI-5656, CA-SDI-5657, CA-SDI-9244, CA-SDI-11612, CA-SDI-11281, CA-SDI-12018, CA-SDI-6660H

*USGS Quadrangle:* La Mesa 7.5'

*Area:* 200-acres

*Key Words:* County of San Diego, Cultural Resource Survey, Positive Survey, Lithic Scatter, Bedrock Milling

## **APPENDICES**

- A. Resumes of Principal Personnel (With Technical Report)
- B. Archaeological Records Searches (Confidential Appendix)
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**APPENDIX A**

**RESUMES OF PRINCIPAL PERSONNEL**

**MICHAEL G. BAKSH, PH.D.**  
**Principal Anthropologist/Archaeologist**  
**Tierra Environmental Services**

**Education**

University of California, Los Angeles, Doctor of Philosophy, Anthropology, 1984  
University of California, Los Angeles, Master of Arts, Anthropology, 1977  
San Diego State University, Bachelor of Arts, Anthropology, 1975

**Professional Experience**

1993-Present	Principal Anthropologist/Archaeologist, Tierra Environmental Services, San Diego, California
1993-Present	Adjunct Professor, Department of Anthropology, San Diego State University
1990-1993	Senior Anthropologist/Senior Archaeologist, Brian F. Mooney Associates, San Diego, California
1985-1990	Research Anthropologist, University of California, Los Angeles
1980-1985	Consulting Anthropologist, Brian F. Mooney Associates, San Diego, California
1976-1983	Research Assistant, Department of Anthropology, University of California, Los Angeles
1973-1975	Supervisory Archaeologist, San Diego State University, San Diego, California
1970-1973	Assistant Archaeologist, San Diego State University, San Diego, California

**Professional Affiliations**

Fellow, American Anthropological Association  
Member, American Ethnological Society  
Member, Association of Environmental Professionals  
Member, Society for California Archaeology  
President and Trustee, San Diego Archaeological Center  
Qualified Archaeologist, County of San Diego  
Qualified Principal Investigator, City of San Diego  
Qualified EIR Preparer, County of San Diego

**Qualifications**

Dr. Michael Baksh received his Ph.D. in Anthropology from the University of California at Los Angeles in 1984. He has been Principal Anthropologist/Archaeologist at Tierra Environmental Services for ten years, and was previously associated with Brian F. Mooney Associates as a consultant or employee for over ten years. Dr. Baksh's area of specialty is cultural resource management, and he has conducted numerous archaeological surveys, testing projects, and data recovery programs throughout southern California. He has also conducted numerous Native American consultation and ethnohistoric projects throughout the southwestern United States in compliance with Section 106 of the National Historic Preservation Act. He has established an excellent rapport with Native Americans on a wide range of cultural resource management, land use, and planning projects.

## **Relevant Projects**

**As Needed Archaeological Services For The MTDB Light Rail Project** (*Metropolitan Transit Development Board*). Dr. Baksh managed the As-Needed archaeological services for the San Diego Metropolitan Transit Development Board (MTDB) in support of construction of the Mission Valley Light Rail Project between Old Town and Fashion Valley. As-needed services included on-going construction monitoring, site testing, and data recovery activities. During the course of monitoring, a buried prehistoric archaeological site was found at a location scheduled for immediate construction. In consultation with the U.S. Army Corps of Engineers (ACOE) and the City of San Diego (City), a testing project was implemented within a matter of days and the site was determined to be significant. Dr. Baksh managed the immediate preparation of an evaluation and treatment plan (for the Heron site, CA-SDI-14,152) and coordination with the ACOE and City. The plan was approved and Dr. Baksh managed the data recovery fieldwork, which was completed in less than one month after initial discovery of the site and just prior to crucial construction deadlines. He subsequently managed all phases of data analysis and preparation of the draft and final reports.

**San Diego Water Repurification** (*Montgomery Watson*). Dr. Baksh conducted an archaeological feasibility study for the San Diego Water Repurification Project proposed by the City of San Diego Water Utilities Department. This project included analyses of records searches and existing archaeological studies, as well as field reconnaissance studies, for several alternative pipeline conveyance corridors and Advanced Water Treatment Facilities located between the North City Water Reclamation Plant and San Vicente Reservoir.

**San Diego Pipelines 4B and 4E** (*San Diego County Water Authority*). Dr. Baksh conducted the archaeological survey studies required for these pipeline projects. The cultural resources study for Pipeline 4E included the archaeological testing of a site in Salt Creek to determine site significance. Similarly, the study for Pipeline 4B involved an archaeological test of the historic Mission Flume in Mission Gorge. Both studies involved extensive consultation with Kumeyaay Indians to determine the contemporary significance of prehistoric sites identified in the vicinity of these pipeline routes.

**Mt. Israel Reservoir and Pipelines** (*Olivenhain Municipal Water District and Bureau of Land Management*). Dr. Baksh served as Senior Archaeologist for preparation of the cultural resources study for this proposed reservoir, flood control channel, and pipeline project in San Diego County. The cultural resource study also included record search analyses and intensive surveys of four alternative access roads. Located in an area traditionally utilized by the Luiseño Indians, this project included ethnohistoric research in addition to the archaeological survey.

**Hollister Bridge Replacement** (*City of San Diego and Caltrans*). Dr. Baksh conducted the archaeological survey for a proposed bridge construction project that was required after the Tijuana River flooded in 1993 and created a new river channel. The study included a literature search, intensive archaeological field survey, and ethnohistoric research on the village of *Millejo*. As part of the Section 106 process, the study also considered the eligibility status of an existing bridge for nomination to the National Register of Historic Places. Dr. Baksh prepared a Historic Property Survey Report which was submitted by Caltrans to the State Historic Preservation Officer (SHPO) who concurred with its findings.

**SDCWA As-Needed Cultural Resources** (*San Diego County Water Authority*). Dr. Baksh recently served as the Project Ethnographer on the SDCWA As-Needed Cultural Resource Services contract.

Task orders focused on Native American consultation and ethnographic research related to an archaeological test excavation and subsequent data recovery program at the Harris Site in association with Pipeline 5.

**San Diego Pipeline 6 Ethnographic Consultation** (*Metropolitan Water District and San Diego County Water Authority*). Dr. Baksh served as Senior Anthropologist for cultural resource investigations conducted for the various alternative routes proposed between Lake Skinner in Riverside County and near Escondido in San Diego County. The project involved extensive Native American consultation, including numerous interviews with Most Likely Descendants from all Luiseño Reservations and input from Cahuilla Indians. Dr. Baksh also conducted intensive ethnohistoric archival research for the study area. Numerous archaeological, ethnohistoric, and contemporarily-significant sites were identified and documented through the Native American consultation program and ethnohistoric research. The findings contributed significantly to the planning process of eliminating and selecting potential alternative routes. Dr. Baksh is currently under contract as Principal Anthropologist for implementation of this project's Mitigation Monitoring Plan.

**Caltrans As-Needed Cultural Resource Services** (*California Department of Transportation*). Dr. Baksh serves as Principal Anthropologist on the Caltrans District 11 As-Needed Cultural Resources contract, which encompasses San Diego and Imperial Counties. He is responsible for coordinating Native American involvement and input on specific task orders issued under this contract, and is currently developing a comprehensive list of Native Americans capable of providing archaeological monitoring and/or ethnographic consultation services on future Caltrans cultural resource management projects. In consultation with over 20 reservations including Kumeyaay, Luiseño, and Quechan Indians, Dr. Baksh is preparing the list for Caltrans to draw upon during future projects and thereby help ensure compliance Section 106 of the National Historic Preservation Act and other regulations. Development of the list also involves consultation with the Native American Heritage Commission and local cultural resource management firms.

**La Jolla Reservation Road** (*U.S. Bureau of Indian Affairs*). Dr. Baksh conducted an archaeological study to identify any prehistoric, historic, or other cultural resources that might be affected by the construction of a 1.5-mile-long road. The study included a records search, intensive on-foot examination of the proposed project site and potential alternative sites, and Native American consultation. In compliance with Section 106 of the National Historic Preservation Act, the survey report has been submitted to the State Historic Preservation Officer (SHPO) for concurrence with its findings.

**Clean Water Program/Native American Memorandum Of Understanding** (*City of San Diego Metropolitan Waste Water Department*). Dr. Baksh prepared a Memorandum of Understanding (MOU) between the Clean Water Program (CWP; currently, Metropolitan Wastewater Department) and Native American groups in San Diego County. The MOU specifies Native American involvement in archaeological investigations and the treatment of archaeological and human remains associated with construction of CWP facilities in San Diego County. Development of the MOU fulfills part of the Programmatic Agreement among the CWP, the Environmental Protection Agency, the Advisory Council on Historic Preservation, and the California State Historical Preservation Officer.

**Pala Reservation Fire Presuppression Project** (*Pala Band of Mission Indians*). Dr. Baksh conducted archaeological surveys in support of the preparation of an EA for four fire presuppression projects

located on the Pala Reservation. The study included a literature searches and intensive archaeological field surveys. An archaeological survey report was prepared and attached to the EA prepared for the project. In compliance with Section 106 of the National Historic Preservation Act, the survey report was submitted to the State Historic Preservation Officer (SHPO) who concurred with its findings.

**Gregory Canyon Landfill Ethnohistory and Native American Consultation** (*ASM Affiliates*). Dr. Baksh conducted a comprehensive ethnohistory and Native American consultation study for the proposed 1,700-acre Gregory Canyon Landfill site in northern San Diego County. Extensive interviews were conducted with Luiseño elders, religious leaders and cultural resource specialists to document sensitive cultural resources in the project area. An extensive review of primary ethnohistoric materials was also conducted to identify cultural resources previously recorded in the area since the early 1900s. Ethnohistoric resources and ethnographic evidence compiled for the study identified a key place of extremely high cultural significance to traditional Luiseño religious beliefs and practices that may be impacted by the proposed project.

**Quien Sabe Ethnography/Ethnohistory** (*U.S. Bureau of Reclamation*). Dr. Baksh conducted an ethnographic and ethnohistoric study for the Quien Sabe/Big Maria Terrace area that borders the western side of the Colorado River in Riverside County, California. The study was undertaken for the U.S. Bureau of Reclamation as part of a comprehensive cultural resources study. The project area was previously known to contain intaglio figures or geoglyphs as well as petroglyphs, sleeping circles, trails, and other archaeological features. Dr. Baksh interviewed Quechan (Yuma) and Mohave Indians to elicit Native American knowledge about cultural resources in the project area and to document perspectives regarding the preservation of these resources. Dr. Baksh also performed a comprehensive ethnohistorical literature review in the effort to locate information recorded by anthropologists and other observers of Yuman cultures in the 1800s and early 1900s. The project yielded several important clues that help understand why specific intaglio figures, petroglyphs, and other features were made and what they meant.

**Chemgold Native American Consultation** (*U.S. Bureau of Land Management*). Dr. Baksh consulted extensively with the Fort Yuma Quechan, Colorado River Indian Tribes (CRIT), and Fort Mohave Tribe to assist the Bureau of Land Management with its Section 106 process for the proposed Chemgold Imperial County Project. The 2,300-acre project site contains numerous sites of high sensitivity to Native American values, including geoglyphs and trail systems. Dr. Baksh assisted in the identification of Native American concerns and values associates with the project area; documented current Native American knowledge about the function and/or interpretation of resources; recorded the meaning and significance of resources to Native Americans; and identified mitigation measures that Native Americans feel would be appropriate to minimize impacts to sensitive cultural resources. The Native American consultation and ethnohistory report was published as part of a joint Environmental Impact Statement/Environmental Impact Report.

## **PATRICK M. MCGINNIS, M.A.**

**Senior Archaeologist**

**Tierra Environmental Services**

### **Education**

M.A. Archaeology and Heritage Management , University of Leicester, England,

B.A., Anthropology with a concentration in Archaeology, with honors, University of California, San Diego,

Certificate in Archaeology, San Diego City College

### **Professional Affiliations**

Society for California Archaeology

San Diego County Archaeological Society (Past Secretary)

San Diego Historical Society

Wheelwright Museum of the American Indian

Archaeological Conservancy

National Trust for Historic Preservation

### **Qualifications**

Mr. McGinnis has more than nine years experience in prehistoric and historic archaeology in southern California and the Southwest. He serves as supervisor and crew for fieldwork including survey, testing, data recovery, monitoring, site recording, in addition to supervising lab analysis, and collections management. He has training in GPS/GIS mapping and spatial analysis and has surveyed and monitored for endangered biological resources including Quino checkerspot butterfly, least Bell's vireo, and California gnatcatcher. He has received training in compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (NHPA) of 1966. His duties also include report writing and historical research projects.

### **Professional Experience**

2002-present	Senior Archaeologist, Tierra Environmental Services, Inc.
2002	Archaeologist/Environmental Tech, Anteon Corporation, California
1997 - 2002	Archaeologist, Mooney & Associates, San Diego, California.
1997	Archaeological field and lab crew, Center for Spanish Colonial Archaeology, San Diego, California.
1996 - 1997	Archaeology Field School, Rancho Peñasquitos site, with San Diego City College.

### **Relevant Projects**

#### **Friendship March Restoration Project**

Mr. McGinnis served as project archaeologist for a survey and test of 500-acres of land in the Tijuana Estuary for the restoration of the marsh habitat of the area. The survey required permitting and interaction with both State and Federal agencies. Project duties also included directing the excavation of 49 backhoe trenches to locate potentially buried archaeological deposits as index for the project area in general. The survey resulted in the location of ten prehistoric and historic archaeological sites. Sites included prehistoric shell middens



and lithic scatters in addition to historic sites; including features related to the use of the area as a naval base during WWII, and historic structures and features related to the period of rural when the area was dominated by ranching and farming. Mr. McGinnis was responsible for the laboratory analysis of the artifacts recovered from the project and directed the cleaning and curation of the assemblages from the identified sites. Mr. McGinnis is serving as report co-author of the NEPA and CEQA compliant document which is in progress.

#### **Pine Valley Estates**

Mr. McGinnis directed a survey of 38-acres for a proposed subdivision in the Pine Valley area of San Diego County. The survey resulted in recording seven prehistoric cultural resources. The sites were mostly large bedrock milling sites with multiple loci. Mr. McGinnis also served as report author for a County and CEQA compliant technical report.

#### **Manzanita Reservation Hazardous Fuels Reduction Project**

Mr. McGinnis served as project archaeologist for a survey of 1,000-acres of fee-land for the Manzanita Band of Mission Indians. The survey covered an area proposed for hazardous fuels reduction via prescribed burning and firebreak construction. The project resulted in the discovery of over 40 previously unrecorded archaeological sites and isolated artifacts. These were dominated by lithic scatters, rock cairns, habitation sites, and included rock rooms. Duties also included site recording and report authorship.

#### **Los Coyotes Reservation-Pines Fire Archaeological Survey and Data Recovery Project**

Mr. McGinnis served as Project Archaeologist and directed the survey of over 100 miles of bulldozer cuts in addition to directing the data recovery effort at two National Register eligible sites, CA-SDI-12,006 and CA-SDI-16,834. Duties also included site recording of eight unrecorded cultural resources, historical and archival research and report authorship.

#### **Morongo Reservation Wastewater Treatment Facility and Section 8 Master Plan**

As Project Archaeologist, Mr. McGinnis directed a survey of approximately 700-acres on the Morongo Indian Reservation in association with a master plan and proposed wastewater treatment facility for the Morongo Band of Mission Indians. Duties included site recording and authorship of the report.

#### **Rincon Reservation Road Improvements**

Mr. McGinnis directed test and evaluation of a historic/prehistoric site in association with proposed road improvements on the Rincon Indian Reservation in northern San Diego County. Duties included survey, mapping, excavation, laboratory analysis of recovered artifacts and report authorship.

#### **Jacumba Water System Rehabilitation Project**

Mr. McGinnis directed a survey of over 8,500 linear feet for the project. The survey resulted in the recording of four historic and prehistoric archaeological sites including a turn-of-the-century stone house, 1920s hotel, and prehistoric habitation sites. Information from the survey was used to direct the planning effort in order to avoid sensitive cultural resources. Mr. McGinnis also authored the report.

#### **Port of San Diego, Harbor Police Facility**

Performed archival research and documentation for the historic Port of San Diego, Harbor Police Facility, designed by famed architect William Templeton Johnson including biographical research, title search, architectural assessment and co-authoring the report.

#### **Hartman Residence**

Mr. McGinnis conducted a historical assessment of the Hartman Residence in Encinitas, California. The residence is an early-20th century log-house and associated garage. Duties included completion of Department of Parks and Recreation forms for the resource and authorship of the report.

### **Bureau of Land Management Lawsuit Compliance**

Manager for multiple projects for the BLM under this task. Duties included hiring, contract writing, proposal writing and cost estimating. Responsible for multiple employees, data collection, inter-agency communication and coordination, database management and development, and providing the client with weekly and monthly status reports for the project. Subtasks under the contract included monitoring of public land closures for the Ridgecrest and Needles BLM offices, a socio-economic study for a desert conservation area management plan, Saltcedar removal in highly impacted areas, Off-highway vehicle grant writing, construction and soil restoration monitoring and management plans and plant-water studies in the Death Valley Junction area.

### **Ramona Unified School District**

Performed multiple archaeological surveys of school sites for the Ramona Unified School District. Tasks included historic and archival research of the site locations in addition to leading the surveys and co-authoring the reports of the field investigations.

### **San Diego Unified School District**

Conducted field surveys and historic and archival research in association with planned expansion of Lincoln High School in South San Diego. Duties included inventorying and assessment of over 200 homes located within the proposed expansion areas and completion of State Historic Preservation Office forms for the historic resources located within the project area, in addition to contributing to the report.

### **Metromedia Fiber Optic Network**

Coordinated numerous site record and literature searches for extensive fiber optic line construction covering the San Francisco Bay Area, Sacramento, Solano, Yolo, Los Angeles, Orange, and San Diego Counties in addition to directing surveys and monitoring; participating in field excavation, and site recording.

### **Campo Promise Land Ranch**

Directed Phase II survey and archaeological test excavation of 13 historic and prehistoric sites in southern San Diego County. Performed site record, literature, and historic research including tax assessor records, title searches, and biography, for multiple historic cultural resources within the property boundaries. Completed necessary California Department of Parks and Recreation forms for submittal to the State Historic Preservation Office. Contributed to authorship of the report.

**Department of the Navy, Southwest Division.** Participated in the Phase II testing of two prehistoric sites, monitored grading activities, and participated in NAGPRA compliant excavation and analysis of human remains for the MILCON project on northern Camp Pendleton. Participated in the Phase II and Phase III data recovery excavation on the Naval Submarine Base on Point Loma and laboratory analysis. Performed Phase I survey and historical resources inventory for the Cabrillo Heights Naval Housing Project. Conducted oral interviews with project architect, tax and title searches, and prehistoric land use research. Completed necessary California Department of Parks and Recreation forms for submittal to the State Historic Preservation Office and contributed to authorship of the report.

### **Sycuan Hazardous Fuels Reduction**

Mr. McGinnis served as project archaeologist for a survey of 14-acres of fee-land for the Sycuan Band of Mission Indians. The survey covered an area proposed for hazardous fuels reduction via and firebreak construction. The project resulted in the discovery of a previously unrecorded archaeological sites. Duties included site recording and report authorship.

**Gregory Mountain Traditional Cultural Place**

Completed National Register Nomination forms for Gregory Mountain as a traditional cultural place for the Luiseño Native American community, including archival research and co-authoring the report.

**County of San Diego Water Authority**

Conducted site record and literature searches for multiple projects throughout the county. Directed multiple Phase I surveys and contributed or co-authored multiple reports.

**City of San Diego, San Pasqual Valley Leaseholds.** Participated in cultural resource surveys of City-owned parcels in the San Pasqual Valley and subsequently participated in the Phase II archaeological testing of prehistoric sites located within the project area. Performed site record, literature, and historic research including tax assessor records, title searches, oral history and biography, for multiple historic cultural resources within the leaseholds in the valley. Completed necessary California Department of Parks and Recreation forms for submittal to the State Historic Preservation Office. Contributed to authorship of the report.

**San Diego Wild Animal Park.** Participated in the survey, Phase II testing, Phase III data recovery, and lab analysis for multiple sites within the Wild Animal Park leasehold. Contributed to site analyses and final report.

**City of San Diego Water and Wastewater Facilities Department.** Provided monitoring services for cultural resources during construction trenching operations in several locations for multiple sewer and water pipeline group jobs.

**City of Azusa.** Performed historic research and inventory of 120 historic properties for evaluation by the City of Azusa. Tasks included, photography, architectural style identification, and archival literature searches.

**Barona Indian Reservation.** Carried out archival research documenting the history of the Barona Band of Kumeyaay Indians. Covering the period just prior to the eviction from their traditional home at El Capitan to the establishment of the Barona and Viejas reservations. Performed laboratory analysis and cataloguing of extensive collection of prehistoric and historic artifacts purchased for the Barona Museum and Cultural Center.

**Ramona Municipal Water District, Mount Woodson Pipeline.** Directed Phase I and Phase II testing and evaluation of site in Ramona, CA. Assisted in the laboratory analysis of artifacts. Performed site record and literature research for project's prehistoric and historic components, in addition to historic research of the property. Conducted historic research, including oral interviews, literature searches, and tax and title searches to determine past land use. Completed necessary California Department of Parks and Recreation forms for submittal to the State Historic Preservation Office. Co-authored report.

**Campo Reservation Health Clinic**

Surveyed and authored the report for the proposed health clinic for the Campo Band Kumeyaay Indians.

**Jenney House.** Supervised and monitored removal of a 19<sup>th</sup> century historic home from the Jenney property in Alpine, CA. Conducted shovel test scrapes of area after removal of the building.

**Calvary Lutheran Church.** Served as crew chief and excavator for Phase III data recovery of ten units in Del Mar, CA. Performed site record and literature search in addition to assisting in the laboratory analysis of artifacts.

**Friery Property.** Directed Phase II test and evaluation of a site in Ramona, CA. Performed historic research and coauthored report.

**San Diego Presidio Archaeology Project.** Participated in field excavation and laboratory analysis of Spanish and Mexican period historic artifacts at the San Diego Presidio site, Old Town. Assisted with public education and outreach projects at the excavation.

**Santa Barbara Mission.** Performed as crew during survey, field excavation, site recording and laboratory analysis of lithic artifacts from the neophyte village at Santa Barbara Mission, Santa Barbara, CA. Participated in recording the historic crypt located beneath the mission. Conducted research using Spanish period records from Mission Santa Barbara archives.

**Tubac Presidio Site Field.** Performed as crew for excavation and laboratory analysis of prehistoric Hohokam and Spanish Colonial artifacts at the Tubac Presidio site, Tubac, Arizona.

**APPENDIX B**

**ARCHAEOLOGICAL RECORD SEARCH**

(See Confidential Appendix)

**APPENDIX C**

**SITE FORMS**

(See Confidential Appendix)

**APPENDIX D**

**CONFIDENTIAL FIGURE**

(See Confidential Appendix)