

**Proposal for Archaeological Inventory Survey and Historic
Architecture Reconnaissance-Level Survey for TMK: (1) 2-3-
016:18, :019, and :020, Island of O‘ahu**

Prepared for:

Hawaii Ocean Plaza LP

Prepared by:

Windy Keala McElroy, PhD
Keala Pono Archaeological Consulting, LLC

30 October 2016



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Introduction

Keala Pono Archaeological Consulting is pleased to present this proposal to you and hopes that its contents meet with your satisfaction. Our staff has broad experience conducting archaeological research throughout Hawai'i and the Pacific. We have completed archaeological inventory surveys on O'ahu, Maui, Moloka'i, and Hawai'i Island, including several projects in Honolulu.

We are confident that we can provide you with the highest quality research at the best cost. Our staff is experienced, efficient, and sensitive in their work and has a strong personal interest in the preservation and long-term stewardship of cultural resources.

Mahalo for giving us the opportunity to submit a proposal for this project. We look forward to the opportunity to employ our skills and expertise on your behalf.

Windy Keala McElroy, PhD
Principal, Keala Pono Archaeological Consulting, LLC

Statement of Qualifications

Keala Pono Archaeological Consulting, LLC is a cultural resource management company specializing in archaeological inventory survey, construction monitoring, data recovery, cultural impact assessments, ethno-historical studies, Hawaiian language translation, mitigation plans, and Section 106 compliance. In the Hawaiian language, *ke ala pono* literally translates to “the path to righteousness,” or colloquially to “do the right thing.” Our company prides itself in its ethical, culturally sensitive approach and high standards of scientific archaeological research, done right the first time.

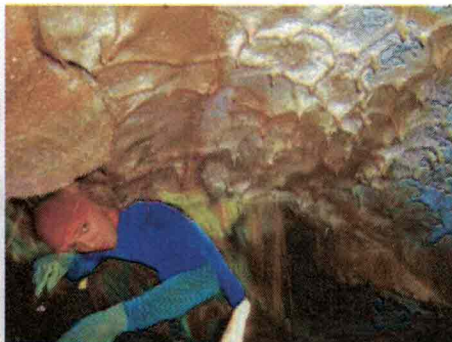
Keala Pono is a minority and woman-owned small business that is locally owned and operated by Windy Keala McElroy, PhD. We are certified as an Underutilized Disadvantaged Business Enterprise by the Hawai‘i Department of Transportation. Our company employs native Hawaiians and Hawai‘i-raised professionals. We have branches on O‘ahu, Moloka‘i, and Hawai‘i Island, and are available to work throughout Hawai‘i and the Pacific. We have a permanent staff of 15, including project managers, archaeologists, ethnographers, Hawaiian language and culture specialists, archival researchers, a GIS specialist, and an administrative assistant. We are well staffed and available to perform services in a timely manner for the long term.

Our clients include the State of Hawai‘i, Kamehameha Schools, The Department of Hawaiian Home Lands, The Office of Hawaiian Affairs, The Nature Conservancy of Hawai‘i, The Kaho‘olawe Island Reserve Commission, Alexander & Baldwin, Group 70 International, Dow Agrosiences, Ku‘iwalu, The Hawaiian Community Development Board, Honeywell Technology Solutions, Hawaiian Dredging, Road & Highway Builders, Isemoto Contracting Co., Environmental Planning Solutions, Molokai Properties, as well as smaller businesses and private landowners. We have received overwhelmingly positive feedback from our clients, community members, and others that we work with.

A sample of work that Keala Pono has completed includes: 1) Section 106 consultation for proposed windfarms on the islands of Moloka‘i, Lāna‘i, and Maui; 2) cultural impact assessments for multiple locations on Moloka‘i, Hawai‘i Island, and O‘ahu; 3) construction monitoring for improvements to the Kaunakakai Wharf on Moloka‘i; 4) archaeological inventory surveys, reconnaissance surveys, and assessments at various locations on O‘ahu, Moloka‘i, and Hawai‘i Islands; 5) authorship of reports and plans for various projects; and 6) native Hawaiian training programs and community outreach projects on O‘ahu and Hawai‘i Island. Work in progress for 2016 includes: 1) archaeological inventory surveys for Wai‘anae Elementary and Campbell High School; 2) archaeological monitoring at Punchbowl Cemetery in Honolulu; 3) archaeological monitoring at Piers 12 and 15 on O‘ahu, and 4) cultural impact assessments for Girl Scout Camps throughout the state.



Archaeological Monitoring



Archaeological Inventory Survey



Data Recovery

Scope of Work

This section presents Keala Pono's technical approach to meeting the requirements of the proposed work. An archaeological inventory survey (AIS) and a historic architecture reconnaissance-level survey (RLS) are proposed for this project.

Archaeological Inventory Survey

The archaeological inventory survey will identify any surface archaeological features within the project area, describe them, and map their distribution on the landscape. Keala Pono Principal Investigator, Dr. Windy McElroy will oversee all aspects of this effort, with one Keala Pono staff member serving as a field technician. It will take the team of two archaeologists one day to complete the archaeological survey. As the area is developed, no surface archaeological remains are expected.

A program of subsurface testing will be implemented to determine the presence or absence of buried archaeological features or deposits. This will take place on the same day as the surface survey. Mechanical trenches will be excavated in various locations throughout the parcels where appropriate. Trench locations will be approved by State Historic Preservation Division (SHPD) before fieldwork commences. The archaeologists will fully document testing locations, stratigraphy, and any cultural remains that might be found.

Hawaii Ocean Plaza LP will be responsible for toning the excavation areas before subsurface testing begins so that existing underground utilities are marked and can be avoided. If underground utilities are encountered in the toned areas, Hawaii Ocean Plaza LP will be responsible for any damage incurred to them during the archaeological testing. All trenches will be backfilled, compacted, and paved once the archaeological testing is completed.

If human remains are discovered during the survey, no further work will be done in the area, the remains will be protected from the sun, and Hawaii Ocean Plaza LP and SHPD will be contacted. Should human remains be identified, any additional letters or reports that may be required are beyond the scope of this proposal. If archaeological features are found that require radiocarbon dating, the associated laboratory costs are also beyond the scope of this proposal.

The results of fieldwork will be presented in draft and final AIS reports which will meet all SHPD standards. The report will include maps and descriptions of all archaeological resources, high resolution photographs of archaeological sites, significance determinations for each archaeological site, assessments of condition for each site, as well as recommendations for land management. If no archaeological resources are found, the report will include a thorough background section, an account of the work that was conducted, as well as maps and photographs of areas that were excavated, and descriptions of stratigraphy.

Reconnaissance-Level Survey

A Keala Pono archaeologist will also conduct a reconnaissance-level survey for any historic buildings that may be located on the properties. Any structures that were built more than 50 years ago could potentially have historic significance. Four historic buildings are known for the properties; they will be assessed for significance according to SHPD's RLS worksheets. It will take two archaeologists one day of fieldwork to gather the data needed for the assessment.

Project Timeline and Staffing Plan

Keala Pono Archaeological Consulting can begin library research and fieldwork for the AIS and RLS within two weeks of contract award. Drafts of the AIS report and RLS worksheets will be submitted Hawaii Ocean Plaza LP within two months following completion of fieldwork. Windy McElroy, PhD, will serve as Principal Investigator, overseeing all aspects of the project. Other Keala Pono staff members or interns will assist with AIS fieldwork and library research as needed.

Project Cost

Total fixed-fee cost, assuming inclusion of all tasks listed below, is **\$15,205**, including Hawai'i General Excise Tax. If the excavated areas need to be paved, an additional **\$7,500** will be charged. Costs for specific portions of the project are given below.

Task-Specific Breakdown

- | | | |
|----------------------------------|--|---------|
| 1) AIS Fieldwork | | |
| | <i>One day of pedestrian surface survey with two archaeologists; one day of backhoe rental with operator</i> | \$3,053 |
| 2) Paving | | |
| | <i>Compaction and paving of excavated areas</i> | \$7,500 |
| 3) AIS Report | | |
| | <i>Authorship and production of an AIS report, SHPD submittal fee</i> | \$9,187 |
| 4) RLS Assessment and Worksheets | | |
| | <i>Identification and assessment of historic buildings, completion of RLS worksheets</i> | \$2,965 |

Total Project Cost

\$22,705



11/21/2016

Payment Schedule

Zhe Fang

manager

A retainer fee of 10% of the project cost will be collected upon contract award. Thereafter, invoices shall be sent monthly. Standard payment terms are net 30 days – all payments are due 30 calendar days from the date of invoice. If payment is not received within 60 calendar days of due date, a late fee of 1% will be charged per month past due.

Hourly Rates for Additional Consulting

Principal Investigator \$88/hr
Windy McElroy, PhD

Keala Pono Senior Archaeologists \$65/hr
Joey Condit, MA Trisha Drennan, MA
Dietrix Duhaylonsod, BA Steven Eminger
Lizabeth Hauani‘o, BA Pūlama Lima, MA

GIS Specialist
Estevan Gutierrez, BA \$65/hr

Keala Pono Archaeologists \$56/hr
Lokelani Brandt, BA Lei Calingangan, BA
Tara del Fierro, BA Nate Garcia, BA
Robin Kapoi-Keli‘i, BA Jeffrey Lapinad
U‘ilani Macabio, BA Lisa Manirath, MA

Keala Pono Ethnographers \$65/hr
Dietrix Duhaylonsod, BA Pūlama Lima, MA
Manuwai Peters, MA

Hawaiian Language Translation \$56–\$65/hr
Lokelani Brandt, BA Dietrix Duhaylonsod, BA
Steven Eminger U‘ilani Macabio, BA
Manuwai Peters, MA

Client References

Patti Barbee
Project Manager, Hawaiian Community Development Board
Phone: 808.358.3633, Email: pbarbee@hawndev.org

Kristopher Maile
Construction Engineer, Hawaiian Dredging Construction Company, Inc.
Phone: 808.690.1431, Email: kmaile@hdcc.com

Kawika McKeague
Senior Planner, Group 70 International, Inc.
Phone: 808.523.5866 ext. 120, Email: kmckeague@group70.com

Edwin Misaki
Director of Moloka‘i Programs, The Nature Conservancy
Phone: 808.954.6587, Email: emisaki@TNC.org

Experience in Comparable Projects

Keala Pono has extensive experience with archaeological and architectural surveys. The following is an abbreviated list of projects that showcase the team's proficiency in these areas, as well as our O'ahu experience.

Various Surveys and Other Studies for Wai'anae Elementary School, O'ahu

A literature review and cultural impact assessment were conducted in anticipation of improvements to Wai'anae Elementary School. Information gathered from these studies was used to determine the kinds of archaeological resources that might have once occurred in the area and what might still remain beneath the surface. Most recently, a historic architecture reconnaissance documented five historic structures at the school, and an archaeological inventory survey, including excavation of nine trenches, produced no findings.

Archaeological Inventory Survey and Cultural Impact Assessment in Kalaeloa, O'ahu

A pedestrian survey of 43 acres in Kalaeloa located and assessed 17 previously-recorded archaeological features and identified ten new features. Subsurface testing was carried out in selected areas, and a cultural impact assessment interviewed four kūpuna to document their mana'o on the project area.

Archaeological Inventory Survey and Cultural Impact Assessment, Wahiawā O'ahu

Keala Pono conducted an archaeological inventory survey and cultural impact assessment for several proposed reservoirs in Wahiawā. Subsurface testing identified secondarily-deposited glass and ceramic thought to be trash from pineapple or sugarcane laborers in the early 20th century. Community consultation was conducted in the form of interviews with five key community members.

Archaeological Inventory Survey at the University of Hawai'i at Mānoa

An archaeological inventory survey at the University of Hawai'i William S. Richardson School of Law produced no findings. The archaeological survey consisted of a surface survey of the law school campus as well as excavation of several test trenches in the school's parking lot.

Archaeological Inventory Survey and Cultural Impact Assessment for Kualoa Ranch, O'ahu

An archaeological inventory survey and cultural impact assessment were done in preparation for ground disturbance associated with improvements to Kualoa Ranch. The archaeological work included a pedestrian survey over several discontinuous areas, as well as test excavations consisting of 13 trenches. Interviews of community members were also completed to gather input on the project area and history of the lands.

Archaeological Inventory Survey of the Oahu Club Maunaloa, O'ahu

Keala Pono completed an archaeological inventory survey of 1.8 acres to identify historic properties in an area slated for expansion of the Oahu Club in Hawaii Kai. The two sites located within the project area were documented in full and recommended for preservation. Another three sites were observed just outside the project boundaries.

Archaeological Inventory Survey for St. Rita's Church, Nānākuli, O'ahu

Archaeological inventory survey was conducted in anticipation of improvements to St. Rita's Church. Pedestrian survey and subsurface testing in the 1.81-acre church grounds produced no findings, although the church structure itself is a historic building.

Resume of Principal Investigator

Windy Keala McElroy

Principal Investigator, Keala Pono Archaeological Consulting
Telephone: (808) 381-2361 E-mail: wkm@keala-pono.com
Websites: <http://RkealaG.com>, <http://keala-pono.com>

Academic Background

2007

Doctor of Philosophy Degree
University of Hawai'i at Mānoa, College of Arts and Sciences- Anthropology
Dissertation title: *Development of Irrigated Agriculture in Wailau Valley, Moloka'i, Hawai'i*

2001

Master of Arts Degree
University of Hawai'i at Mānoa, College of Arts and Sciences- Anthropology
Thesis title: *Variability in Poi Pounders from Kaua'i Island, Hawai'i*

1998

Bachelor of Arts Degree with Distinction
University of Hawai'i at Mānoa, College of Arts and Sciences- Anthropology

1994

Associate in Arts Degree, Windward Community College, Kāne'ohe, Hawai'i

Selected Honors and Awards

- 2006 National Science Foundation Doctoral Dissertation Improvement Grant
- 2006 Arts & Sciences Advisory Council Award, University of Hawai'i at Mānoa
- 2005 Graduate Student Organization Travel Award, University of Hawai'i at Mānoa
- 2004 Graduate Student Organization Travel Award, University of Hawai'i at Mānoa
- 2003 Hawai'i Council for the Humanities Preservation Grant (with Michael Graves)
- 2001 Three-year Ford Foundation Predoctoral Fellowship Award
- 2000 The University of Hawai'i Foundation Rodney P. Santos Scholarship

Selected Memberships

Register of Professional Archaeologists
Society for American Archaeology
Indo-Pacific Prehistory Association
Society for Hawaiian Archaeology, Publications Chair/Journal Editor 2010–2014
Society for Hawaiian Archaeology, Communications Secretary/Webmaster 2008–2010

Selected Academic Publications

- 2015 "Modified Coral from Nu'alolo Kai." In *Abundance and Resilience: Farming and Foraging in Ancient Kaua'i*. Edited by Julie S. Field and Michael W. Graves.
- 2012 "Approaches to Dating Wetland Agricultural Features: An Example from Wailau Valley, Moloka'i Island, Hawai'i." In *Irrigated Taro (Colocasia esculenta) in the Indo-Pacific*. Edited by Matthew Spriggs, David Addison, and Peter J. Matthews. *Senri Ethnological Studies*.
- 2011 Anatomy of an Unfinished *Lo'i* System: The Ku'ele West Complex in Wailau Valley, Moloka'i. With Steven Eminger. *Hawaiian Archaeology* 12:47-64.
- 2010 Geochemical Sourcing of Basalt Artifacts from Kaua'i Island, Hawai'i. With P. Mills, S. Lundblad, J. Field, A. Carpenter, and P. Rossi. *Journal of Archaeological Science* 37:3385–3393.

- 2009 “Archaeological Sites of Moloka‘i.” With Steven Eminger. In *Archaeology in America An Encyclopedia*, edited by Francis P. McManamon, Linda Cordell, Kent Lightfoot, and George Milner. Preston, CT: Greenwood Publishing Group.
- 2005 “An Analysis of Coral, Basalt, and Sea Urchin Spine Abrading Tools from Nu‘alolo Kai, Kaua‘i.” With Cyril Calugay. In *Na Mea Kahiko O Kaua‘i: Archaeological Studies in Kaua‘i*, edited by Mike Carson and Michael Graves, pp. 212-235. Society for Hawaiian Archaeology Special Publication 2. Honolulu: Society for Hawaiian Archaeology.
- 2005 “Hawaiian Fishhook Classification, Identification, and Analysis, Nu‘alolo Kai (Site 50-30-01-196), Kaua‘i.” With Michael Graves. In *Na Mea Kahiko O Kaua‘i: Archaeological Studies in Kaua‘i*, edited by Mike Carson and Michael Graves, pp. 188-211. Society for Hawaiian Archaeology Special Publication 2. Honolulu: Society for Hawaiian Archaeology.
- 2003 Rethinking the Traditional Classification of Hawaiian Poi Pounders. *Rapa Nui Journal*. 17(2): 85-93.

Selected Technical Reports (see <http://www.Keala-Pono.com> for a full list of Keala Pono reports)

- 2105 *Archaeological Monitoring Report for Revegetation Efforts at the Hakioawa Watershed, Kaho‘olawe, Hawai‘i*. With Dietrix Duhaylonsod. Prepared for the Kaho‘olawe Island Reserve Commission. Kaneohe: Keala Pono Archaeological Consulting, LLC.
- 2014 *Archaeological Monitoring for Kaunakakai Wharf Improvements, Kaunakakai Ahupua‘a, Kona District, Island of Moloka‘i*. With Mina Elison. Prepared for Hawaiian Dredging Construction Company, Inc. Kaneohe: Keala Pono Archaeological Consulting, LLC.
- 2014 *Archaeological Assessment for 30 Pu‘u in Hawai‘i Volcanoes National Park, Kahuku, Kapāpala, Ka‘ohe Mauka, and Humu‘ula Ahupua‘a, Ka‘ū, Hāmākua, and Hilo Districts, Island of Hawai‘i*. Prepared for The Carnegie Institution of Washington, D.C. Kaneohe: Keala Pono Archaeological Consulting, LLC.
- 2013 *Archaeological Inventory Survey for a Proposed Solar Farm in Kalaeloa, Honouliuli Ahupua‘a, ‘Ewa District, Island of O‘ahu*. With Mina Elison. Prepared for Mana Elua. Kaneohe: Keala Pono Archaeological Consulting, LLC.
- 2012 *Archaeological Inventory Survey for a Proposed Solar Farm in Kalaeloa, Honouliuli Ahupua‘a, ‘Ewa District, Island of O‘ahu*. Prepared for Mana Elua. Hau‘ula: Keala Pono Archaeological Consulting, LLC.
- 2012 *Archaeological Monitoring Report for Construction of an A-Side Remote Block Change Antenna at Kaena Point Satellite Tracking Station, Ka‘ena Ahupua‘a, Waiālua District and Keawa‘ula Ahupua‘a, Wai‘anae District, Island of O‘ahu, Hawai‘i*. Prepared for Honeywell Technology Solutions, Inc. Hau‘ula: Keala Pono Archaeological Consulting, LLC.
- 2011 *Cultural Impact Assessment for Kaka‘ako, Ahupua‘a of Waikīkī, Kona District, Island of O‘ahu, Hawai‘i*. With Mina Elison. Prepared for Kewalo Development, LLC. Hau‘ula: Keala Pono Archaeological Consulting, LLC.
- 2011 *Archaeological Inventory Survey in Hōnaunau, South Kona District, Island of Hawai‘i* With Teresa Davan. Prepared for Kamehameha Schools. Hau‘ula: Keala Pono Archaeological Consulting, LLC.
- 2010 *Archaeological Inventory Survey of the Glass House Property, Mapulehu Ahupua‘a, Kona District, Island of Moloka‘i TMK (2) 5-7-008:076*. Prepared for New West Land Company, Inc. Kailua: Garcia and Associates.
- 2009 *Archaeological Inventory Survey of Fiber Optic Cable Corridor, Spencer Beach, Kawaihae 2 Ahupua‘a, South Kohala District, Island of Hawai‘i. TMK (3) 6-2-002:008*. Prepared for AMEC Earth and Environmental, Inc. Kailua: Garcia and Associates.
- 2008 *Archaeological Monitoring Report for the Sandwich Isles Communication’s Fiber Optic Duct Lines Project, Maunaloa and Waimānalo Ahupua‘a, Kona and Ko‘olaupoko Districts, Island of O‘ahu, Hawai‘i*. Prepared for Ku‘iwalu LLC. Kailua: Garcia and Associates.
- 2008 *Cultural Impact Assessment for Pelekunu Valley, Ko‘olau District, Moloka‘i Island*. With Steven Eminger. Prepared for The Nature Conservancy. Kailua: Garcia and Associates.

- 2007 *Historic Architectural Building Survey and Phase I Cultural Resource Survey for Military Housing and Privatization Actions at Schofield Barracks, Island of O'ahu, Hawai'i.* With Cassidy DeBaker, Carole Denardo, and Mike Desilets. Prepared for Tetra Tech, Inc. Kailua: Garcia and Associates.
- 2006 *Archaeological and Cultural Monitoring Plan for the Helemano Trail Construction Activities for the Stryker Brigade Combat Team, O'ahu Island, Hawai'i.* With Michael Desilets. Prepared for the U.S. Army Engineer District, Honolulu. Kailua: Garcia and Associates.
- 2006 *Archaeological Monitoring and Investigations During Installation of Leach Fields at Bellows Air Force Station and Hickam Air Force Base, Waimānalo, Ko'olaupoko, and Moanalua, Kona, O'ahu.* With Thomas S. Dye and Elaine H.R. Jourdane. Prepared for Shaw Environmental, Inc. Honolulu: T.S. Dye & Colleagues, Archaeologists, Inc.
- 2005 *Reinterment Report for Burials of Site 50-80-02-1878 at TMK:5-8-9:41 Wainiha, Halele'a, Kaua'i.* Prepared for T. Matthew Hunter. Honolulu: T.S. Dye & Colleagues, Archaeologists, Inc.
- 2005 *Archaeological Monitoring Plan for the Waikiki Beach Walk Project, Waikī Ahupua'a, Kona District, Island of O'ahu (TMK:2-6-002, 003, 004).* Prepared for Group 70 International. Honolulu: T.S. Dye & Colleagues, Archaeologists, Inc.
- 2004 *Archaeological Investigation of Kaliuwa'a (Sacred Falls), Kaluanui Ahupua'a, Ko'olaupoko, O'ahu.* Prepared for Oceanit Laboratories, Inc. Honolulu: T.S. Dye & Colleagues, Archaeologists, Inc.
- 2003 *Archaeological Monitoring for the Installment of Communication Lines at Hickam Air Force Station, Hawai'i.* Prepared for Henkels and McCoy. Honolulu: T.S. Dye & Colleagues, Archaeologists, Inc.

Selected Presentations at Professional Meetings

- 2012 *Lawa Pono 'o Hālawā, (Hālawā is adequately supplied): The ahupua'a model demonstrated through stone tool economies of East Moloka'i, Hawai'i.* With L. Brandt, P. Lima, P. Mills, and S. Lundblad. Presented at the 25th Annual Society for Hawaiian Archaeology Conference in Keauhou, Hawai'i, October 20, 2012.
- 2010 *Mohala Pono Ka 'Ike (Knowledge that is Rightfully Gained): Community Outreach and Educational Opportunities for the Next Generation of Hawaiian Archaeologists.* With Kelley Uyeoka. Session organized at the 23rd Annual Society for Hawaiian Archaeology Conference in Kapa'a, Hawai'i, October 15, 2010.
- 2010 *Incorporating Student Training in the Cultural Resource Management Industry: An Example from Ahu a 'Umi.* Presented at the 23rd Annual Society for Hawaiian Archaeology Conference in Kapa'a, Hawai'i, October 15, 2010.
- 2009 *Approaches to Dating Wetland Agricultural Features: An Example from Wailau Valley, Moloka'i Island, Hawai'i.* Presented at the 19th Congress of the Indo-Pacific Prehistory Association in Hanoi, Vietnam, December 5, 2009.
- 2008 *The Development of Wetland Agriculture in a Windward Hawaiian Valley: Evaluating Factors of Risk, Effort, and Production Output in Wailau, Moloka'i.* Presented at the 73rd Annual Society for American Archaeology Meeting in Vancouver, BC, March 27, 2008.
- 2006 *Teaching Applied Archaeology in the Community: The Moloka'i Archaeological Training Program.* With C. Calugay. Presented at the 19th Annual Society for Hawaiian Archaeology Conference in Kahului, Maui, October 8, 2006.
- 2005 *Making the Most of Museum Collections: Analyses of Kaua'i Poi Pounders and Artifacts from Nu'alolo Kai.* Presented at the Annual Meeting of the Kaua'i Historical Society in Līhu'e, Hawai'i, 19 May, 2005.
- 2004 *Advancing Archaeological Classification of Fish Hooks from Hawai'i: A Case Study from Nu'alolo Kai, Kaua'i.* With Michael Graves. Presented at the 17th Annual Society for Hawaiian Archaeology Conference in Kona, Hawai'i, 14 November, 2004.
- 2004 *Variability in Poi Pounders of Kaua'i Island, Hawai'i.* Poster presented at the 69th Annual Society for American Archaeology Conference in Montreal, Canada. 1 April 2004.

- 2000 *Expanding the Role of Artifact Analysis in Hawaiian Archaeology: A Comparison of Coral and Basalt Artifacts of Nu'alolo Kai, Kaua'i*. Presented at the 13th Annual Society for Hawaiian Archaeology Conference in Hilo, Hawai'i, 7 October, 2000.

Selected Community Presentations

- 2014 *Careers in Archaeology*. Presented to Mina Alison's class of 7th to 10th graders in the Hui Mālama O Ke Kai program in Waimānalo, O'ahu, 17 April, 2014.
- 2012 *Getting to the Top: Lessons Learned from the Himalayas and Kilimanjaro*. Presented at Windward Community College, March 15, 2012 for Women's History Month.
- 2010 *Merging Archaeology with the Local Community: The Moloka'i Archaeological Training Program and Wailau Research Project, Moloka'i Island, Hawai'i*. Presented at the University of Hawai'i at Mānoa Department of Anthropology Spring 2010 Colloquium Series, March 11, 2010.
- 2008 *Wailau, Moloka'i*. Episode aired on the television series *Pacific Clues*. PBS Hawai'i, 25 November, 2008.
- 2008 *Wailau, Moloka'i and Pacific Clues*. Interview with Kehau Fernandez on *Aha'i 'Olelo Ola*, on Sunrise on KGMB 9 News. 15 October, 2008.
- 2007 *Lo'i Agriculture in a Remote Valley: Results of the Wailau Archaeological Research Project, Moloka'i Island, Hawai'i*. Presented at the Bernice Pauahi Bishop Museum, Honolulu, April 5, 2007.
- 2005 *Poi Pounders of Kaua'i*. Poster displayed as part of an archaeology exhibit at the Kaua'i Museum, Līhu'e, Hawai'i. January-December 2005.
- 2004 *Archaeology of Bellows Air Force Station*. Presented at the Environmental Justice Workshop, sponsored by the 15th Airlift Wing, Hickam Air Force Base Environmental Restoration Program. Held at Bellows Air Force Station, Waimānalo, Hawai'i, 13 May 2004.
- 2004 *Soil Characterization in Archaeology*. Presented to Nalani Naluai's fifth grade class at Kamehameha Elementary School, Honolulu, Hawai'i. 5 February 2004.
- 2003 *History of Bellows Site O-18*. Presented to the Waimānalo community and the University of Hawai'i West O'ahu Anthropology Club at Bellows Air Force Station, Waimānalo, Hawai'i, 25 January 2003.
- 2001 *GPS Mapping the Kohala Field System*. Presented to Susan Fushikoshi's third grade class at Kamehameha Elementary School, Honolulu, Hawai'i, 27 September 2001.

Training

- Spring 2009 National Preservation Institute NEPA Compliance and Cultural Resources Seminar.
- Spring 2006, Spring 2008, Spring 2010 Comprehensive Basic Life Support course. Certified in adult CPR, child and infant CPR, emergency basic first aid, and cognitive AED skills.
- Spring 2004, Spring 2005, Spring 2006, Spring 2007, Spring 2008, Spring 2009, Spring 2010 Hazardous Waste Operations and Emergency Response (HAZWOPER) 8-hour refresher course. A yearly review of material covered in the 40-hour course.
- Spring 2003 Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour training course. Focused on identifying and working safely around hazardous materials.
- Summer 2000 University of Arizona Archaeological Field Training Program. Five weeks of excavation, survey, mapping, artifact processing, lectures, and field trips. Excavations were conducted in east-central Arizona at the Bryant Ranch Site, a pueblo occupied between ca. AD 1250 and 1300.
- Summer 1999 University of Hawai'i Archaeological Field School at Kaniakapupu in Nu'uau Valley. Six weeks of fieldwork included archival research, mapping, photography, profiling, survey and excavation of the 19th century summer estate of King Kamehameha III.

Experience

Fall 2009-Present: *Principal*, Keala Pono Archaeological Consulting, LLC

Experienced in fieldwork, laboratory work, and report writing for cultural resource management projects. Keala Pono is a small business, woman owned business and minority owned business that emphasizes community outreach and training. We have had federal, state, and private contracts.

Spring 2013-Summer 2015: *Assistant Professor*, University of Hawai'i at Mānoa

Responsible for leading an archaeological field training program every Saturday on the North Shore of O'ahu. This program was unique in that it involved high levels of community engagement, with community members participating in many of the activities.

Spring 2006-2011: *Senior Archaeologist*, Garcia and Associates

Field supervisor, project manager, and principal investigator experienced in archaeological inventory survey, monitoring, data recovery, laboratory work, and report writing. Worked continuously on federal projects for approximately four of the six years with this firm.

Summer 2010: *Field School Director*, University of Hawai'i at Hilo

Directed the first ever cultural resource management internship program, co-sponsored by the University of Hawai'i at Hilo and Kamehameha Schools. Three weeks of fieldwork were conducted at the 5,200-ft. elevation ceremonial site of Ahu a 'Umi on Hawai'i Island. Trained Native Hawaiian interns in survey, mapping, and excavation, and mentored the interns with individual research projects.

Summer 2010: *Field Technician*, Uxbenká Archaeological Project

Three weeks of excavation at Uxbenká, a Maya polity dating from 1900-1200 BP in the tropical lowlands of Belize. Conducted excavations at a mountain shrine complex, Mayan tombs, and an elite residential group.

Spring 2003-Fall 2005: *Supervisory Archaeologist*, T.S. Dye & Colleagues, Archaeologists, Inc.

Directed archaeological inventory survey, data recovery, and burial relocation projects throughout the state of Hawai'i. Worked on federal projects throughout my tenure.

Summer 2005: *Field School Director*, University of Hawai'i Maui Community College

Ran an archaeological field training program in the remote valley of Wailau on Moloka'i. Eight weeks of fieldwork consisted of survey, mapping, and excavation of wetland agricultural complexes and historic habitation sites. Trained 17 students and volunteers in archaeological field methods.

Spring 2005: *Lecturer*, University of Hawai'i Maui Community College

Instructor for Anthropology 290 (Heritage Sites in Archaeology) taught on Moloka'i Island. This 3-credit course consisted of classroom lectures that focus on issues germane to practicing archaeology in Hawai'i and has a fieldwork component that includes survey and mapping in Kamalō Ahupua'a.

Spring 2002-2004: *Archaeology Lab Supervisor*, University of Hawai'i at Mānoa

Laboratory supervisor of students enrolled in Anthropology 210 (Introduction to Archaeology). Duties include teaching students to catalog, photograph, and classify artifacts from Nu'alolo Kai, Kaua'i.

Summer 2003: *Field Technician*, Huahine Project, French Polynesia

Three weeks of fieldwork included excavation and plane table and alidade mapping of *marae* on Mata'ire'a Hill, Huahine.

Spring 2002: *Field Technician*, Sigatoka, Fiji

Two weeks of fieldwork assisting Julie S. Field on her dissertation research on ring ditch fortifications in the Sigatoka Valley. Conducted survey, excavation, photography, and auto level mapping.

Summer 2001: *Field Technician*, Kohala, Hawai'i

Assisted Dr. Michael Graves with a GPS survey of the extensive Kohala field system, an area in excess of 20 square miles which contains some of the best evidence of ancient dry land agriculture in Hawai'i. Four weeks of fieldwork included survey, excavation, and GPS mapping.

Fall 1998-Spring 2000: *Volunteer*, University of Hawai'i Archaeology Lab

Helped with the analysis of artifacts from the Nu'alolo Kai collection. Completed a paper each semester on this research.