



TIMOTHY M. RIETH, M.A.
Senior Archaeologist, Manager, Faunal Analyst
January 2016



Timothy Rieth is a Senior Archaeologist and Manager at International Archaeology, LLC (IA) and International Archaeological Research Institute, Inc. (IARII). He has worked for 17 years in Cultural Resources Management and academic research in Hawai'i, Guam, and the Pacific-Asia region. His experience includes project management, archaeological research, vertebrate and invertebrate faunal analysis, artifact analyses, chronological modeling, report writing, proposal preparation, and peer reviews of scientific publications. He has worked on over 60 archaeology projects involving inventory- and reconnaissance-level surveys, subsurface testing, mapping, data recovery, and monitoring in Hawai'i, Guam, Tinian, Palau, American Sāmoa, Fiji, Rapa Nui, South Korea, and Japan. Mr. Rieth's research interests include Darwinian evolutionary theory, evolutionary ecology, foraging theory, Bayesian calibration, chronology building, Hawaiian archaeology, and Oceanic prehistory.

Education and Training

- M.A. (2007), Anthropology, Univ. of Hawai'i-Mānoa (UHM)
- B.A. (1998, Highest Honors), Anthropology, Univ. of Hawai'i-Mānoa (UHM)

Professional Positions

- IA Manager/Senior Archaeologist, International Archaeology, LLC, Honolulu, 2013-present
- Senior Archaeologist/Project Manager/Faunal Specialist, IARII, Honolulu, 2010-present
- Supervisory Archaeologist, IARII, 1998-2010
- Teaching Assistant, UHM Archaeology Field School, 1998, 2006
- Instructor, UHM Archaeology Field School, Summer 2002

General Archaeological Experience Summary

- Project Manager (IARII), 20 projects in Pacific (15 in Hawai'i, 2 in Am. Sāmoa, 3 in Guam)
- Project Manager (IA), 12 projects in Pacific (10 in Hawai'i, 2 in Guam)
- Project Director (IARII), 29 projects in Pacific (26 in Hawai'i, 2 in Am. Sāmoa, 1 in Guam)
- 17 years of active research in the Pacific Region and Asia

Pacific/Asia Archaeological Projects (Selected)

- IA Project Manager, PLANETS Optical Telescope EA AIS, Maui, 2015-present
- IA Project Manager, Kā'anapali Beach Restoration CIA, Maui, 2015-present
- IA Project Manager, Ki'iki'i Stream Dredging Evaluation and CIA, O'ahu, 2015-present
- Project Manager, Maui Office Building EA AIS, Maui, 2015
- Project Manager, Koheā Loa AIS, O'ahu, 2015
- Project Manager, Manenggon Concentration Camp NRHP Nomination, Guam, 2015-2016
- IA Project Manager, NRHP Nomination for Site 66-02-1978, Guam, 2015 (2015)
- Project Manager, Punalu'u Stream Inventory Survey, O'ahu, 2014-present
- Project Manager, Navy Renewable Energy Projects, Hawai'i and Guam, 2014-present
- IA Project Manager, Dillingham Ranch Mauka Lands Survey, O'ahu, 2014-present
- Project Manager, Turtle and Shark NRHP Nomination, American Sāmoa, 2014
- Reviewer for Backlog of O'ahu CRM Reports for State Historic Preservation Division, 2014-2016
- Principal Investigator, Hawai'i SHPD GIS Legacy Project, Statewide, 2013
- Project Manager/Project Director, MCBH MV-22 Monitoring & Testing, O'ahu, 2012-2013
- Project Manager, Ka Malanai Monitoring & Emergency Data Recovery, O'ahu, 2012-present
- Project Manager/Project Director, HALE Ka'apahu Survey, Maui, 2012-present
- Project Manager/Project Director, HALE Nu'u Survey, Maui, 2012-present
- Project Manager/Project Director, Ylig Bridge Monitor & Data Recovery, Guam, 2011-present
- Project Manager/Project Director, Kalauapapa Survey, Moloka'i, 2011-2012
- Project Manager/Project Director, FEMA Housing Phase II, American Sāmoa, 2011-2012
- Project Manager/Project Director, various Navy monitoring projects, O'ahu, 2010-2012
- Project Manager/Project Director, FEMA Housing Phase I, American Sāmoa, 2010
- Project Director, Parker Ranch Connector Road Monitoring & Data Recovery, Hawai'i, 2009
- Project Director, various NPS survey & data recovery projects, PUHO, Hawai'i, 2008-2010
- Project Director, Waimea-Kawaihae Bypass Road Survey, Hawai'i Island, 2007
- Supervisory Archaeologist, Sasebo Archaeological Survey, Kyūshū, Japan, 2007
- Archaeologist, KAHO Data Recovery, Hawai'i Island, 2006



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Ability to Carry Research to Completion

Completed over 40 technical reports; published 14 articles in scholarly journals & 2 book chapters

Selected Projects

Project Manager, Manenggon Concentration Camp NRHP Nomination (2015-present): Provided oversight, research direction, and quality assurance for preparation of NRHP nomination for the Manenggon Concentration Camp. Fieldwork successfully completed and the draft nomination is under review. *Client: Guam Preservation Trust.*

IA Project Manager, NRHP Nomination for Site 66-02-1978 (2015): Provided oversight, research direction, and quality assurance for preparation of a NRHP nomination for Site 66-02-1978. *Client: NAVFAC Marianas.*

Project Manager, Punalu'u Habitat Bank and Stream Restoration Project (2014-2016): Provided oversight, research direction, and quality assurance for archaeological inventory surveys and subsurface testing of 444 acres within Punalu'u Valley. Extensive archaeological landscape recorded. Co-authored report. *Client: Kamehameha Schools.*

Project Manager, Navy Renewable Energy Projects on Hawaii and Guam (2014-2015): Provided oversight, research direction, and quality assurance for archaeological inventory surveys and subsurface testing of approximately 400 acres on O'ahu and 515 acres on Guam. Co-authored work plans and reports for both projects. *Client: Helber Hastert, and Fee, for the Department of the Navy.*

IA Project Manager, Dillingham Ranch Mauka Lands and Ranch House Surveys, O'ahu (2014-2015): Provided oversight, research direction, and quality assurance for an archaeological inventory survey of 79 acres for the proposed Dillingham Ranch Agricultural Subdivision. Multiple 19th century ranching walls were documented. A separate but related project was a reconnaissance survey of the historic Dillingham Ranch house and surrounding area. *Client: Dillingham Ranch Aina, LLC.*

Project Manager/Project Director, Kalaupapa National Historical Park, Moloka'i Island (2011-2013): Directed inventory-level archaeological survey, including tape-and-compass mapping, GPS recording, excavation, and data analysis. Identified and documented a significant and extensive traditional Hawaiian colluvial slope agricultural complex. *Client: National Park Service, Moloka'i.*

Project Manager/Project Director, Ylig Bridge Data Recovery, Guam (2011-ongoing): Directed areal excavation, burial recovery, stratigraphic profiling, mapping of subsurface features, laboratory analyses, and data analysis. Recorded paved Latte Period habitation floors; this is the most extensive documentation of these features within the Mariana Islands. *Client: Parsons Transportation Group, Inc., Guam.*

Project Manager/Project Director, FEMA Permanent Housing Program, Phase II, American Sāmoa (2011-2012): Directed archaeological monitoring, data recovery excavations, laboratory analyses, and report production for multiple locations across Tutuila Island. Archaeological deposits investigated during the project span approximately 2,500 years of Sāmoan history. *Client: FEMA.*

Project Director, Parker Ranch Connector Road and Pukalani Extension, Hawai'i Island (2009-2011): Directed archaeological monitoring, emergency data recovery excavations, laboratory analyses, and report production. Pre-Contact archaeological deposits from temporary habitation locales associated with the agricultural complex were documented, along with remnants of World War II Camp Tarawa. *Client: Kalai Consulting/Parker Ranch, Hawai'i.*

Project Director, Waimea-Kawaihae Bypass Road, Hawai'i Island (2007). Conducted archaeological inventory-level survey, detailed mapping, GPS recording, excavation, laboratory analyses, and report production. Surveyed approximately 1,550 acres and recorded 1,350 archaeological features, extending from the coast of Kawaihae to upper Lālāmilo. *Client: EKNA Services, Inc.*



Selected Academic Publications and Technical Reports

Hawai'i

- Athens, J. Stephen, Timothy M. Rieth, and Thomas S. Dye
2014 A Paleoenvironmental and Archaeological Model-based Age Estimate for the Colonization of Hawaii. *American Antiquity* 79:144-155.
- Filimoehala, Christopher W., Myra J. Tomonari-Tuggle, and Timothy M. Rieth
2014 *Archaeological Inventory Survey for the Punalu'u Habitat Bank and Stream Restoration Project, Makaua, Punalu'u, and Wai'ono Ahupua'a, Ko'olaupoko Moku, O'ahu*. Prepared for Kamehameha Schools. IARII, Honolulu.
- Kahn, Jennifer G., Timothy M. Rieth, Patrick V. Kirch, J. Stephen Athens, and Gail Murakami
2014 Redating of the Kuli'ou'ou Rockshelter, O'ahu, Hawai'i: Location of the First Radiocarbon Date from the Pacific Islands. *Journal of the Polynesian Society* 123:67-90.
- McCoy, Mark D., Peter R. Mills, Steven Lundblad, Timothy M. Rieth, Jennifer G. Kahn, and Rowan Gard
2011 A Cost Surface Model of Volcanic Glass Quarrying and Exchange in Hawaii. *Journal of Archaeological Science*: 38:2547-2560.
- Rieth, Timothy M., and J. Stephen Athens
2013 Suggested Best Practices for the Application of Radiocarbon Dating to Hawaiian Archaeology. *Hawaiian Archaeology* 13:3-29.
- Rieth, Timothy M., and Christopher W. Filimoehala
2015 *Remnants of a Traditional Hawaiian Village on Mōkapu Peninsula: Archaeological Investigations at Site 50-80-11-7411, Marine Corps Base Hawaii, Kaneohe Bay, O'ahu, Hawai'i*. Prepared for Dept. of the Navy under contract to Helber Hastert and Fee. IARII, Honolulu.
- Rieth, Timothy M., Terry L. Hunt, Carl Lipo, and Janet M. Wilmshurst
2011 The 13th Century Polynesian Colonization of Hawai'i Island. *Journal of Archaeological Science* 38:2740-2749.
- Rieth, Timothy M., Peter R. Mills, Steven P. Lundblad, Alex E. Morrison, and Adam Johnson
2013 Variation in Lithic Sources Utilized by Late Pre-Contact Elites in Kona, Hawai'i Island. *Hawaiian Archaeology* 13:103-130.
- Rieth, Timothy M., Robert Pacheco, Myra J. Tomonari-Tuggle, and Trevor Duarte
2014 *Archaeological Inventory Survey in Support of the Ka Malanai Phase 2 Residential Project, Kailua, Island of O'ahu*. Prepared for D.R. Horton. IARII, Honolulu.
- Rieth, Timothy M., Christopher Roos, and David J. Welch
2004 *Phase I Cultural Resources Survey of the Kamehameha Schools Kapālama Campus*. Prepared for Kamehameha Schools. IARII, Honolulu.
- Rieth, Timothy M., and Myra J. Tomonari-Tuggle
2013 *Anything But Hardscrabble: An Archeological Inventory Survey of a Colluvial Slope Agricultural Complex; Kalaupapa Pali Trail Survey, Kalaupapa National Historical Park, Kalaupapa Ahupua'a, Ko'olau District, Moloka'i*. Prepared for National Park Service. IARII, Honolulu.



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Micronesia (Guam, Northern Mariana Islands, and Republic of Palau)

Cochrane, Ethan E., and Timothy M. Rieth

- 2015 *Pre-Construction Archaeological Testing Associated with Replacement of the Ylig Bridge, Yona, Guam.* Prepared for Parsons Transportation Group. IARII, Honolulu.

Dixon, B., Tina Mangieri, Ephraim McDowell, C. Kanani Paraso, and Timothy Rieth

- 2006 Prehistoric Chamorro household activities and refuse disposal patterns on the Micronesian Island of Tinian, Commonwealth of the Northern Mariana Islands. *Micronesica* 39:55-71.

Liston, Jolie, and Timothy M. Rieth

- 2010 Palau's Petroglyphs: Archaeology, Oral History, and Iconography. *Journal of the Polynesian Society* 119:401-414.

Rieth, Timothy M., and Jolie Liston

- 2001 *Archaeological Data Recovery at Ngermereues Ridge, Ngesaol, Koror, Republic of Palau.* Prepared for Winzler and Kelly. IARII, Honolulu.

Sāmoa

Cochrane, Ethan E., Timothy M. Rieth, and William R. Dickinson

- 2013 An Analysis of Sāmoan Plainware Ceramics from Tula, Tutuila with Insights into Ceramic Chronology, Cultural Transmission, and Selection among Colonizing Populations. *Journal of Anthropological Archaeology* 32:499-510.

Rieth, Timothy M., and Ethan E. Cochrane

- 2012 *Archaeological Monitoring and Data Recovery in Support of the Federal Emergency Management Agency Permanent Housing Construction Program, Tutuila Island, American Sāmoa.* Prepared for Department of Homeland Security, Federal Emergency Management Agency. IARII, Honolulu.

Rieth, Timothy M., and Terry L. Hunt

- 2008 A Radiocarbon Chronology for Sāmoan Prehistory. *Journal of Archaeological Science*: 35:1901-1927.

Rieth, Timothy M., Alex Morrison, and David J. Addison

- 2008 The Temporal and Spatial Patterning of the Initial Settlement of Sāmoa. *Journal of Island and Coastal Archaeology* 3:214-239.

Other Selected Publications

Hunt, Terry L., Karen F. Aronson, Ethan E. Cochrane, Julie S. Field, Lisa Humphrey, and Timothy M. Rieth

- 1999 A Preliminary Report on Archaeological Research in the Yasawa Islands, Fiji. *Domodomo: A Scholarly Journal of the Fiji Museum* 12:6-43.

Rieth, Timothy M., and Ethan E. Cochrane

- In press The Chronology of Colonization in Remote Oceania. In *The Oxford Handbook of Prehistoric Oceania*, ed. By Ethan E. Cochrane and Terry L. Hunt. Oxford University Press USA, New York.