



SOPHIE A. MILLER, M.A.
Archaeologist and Laboratory Technician
January 2016



Sophie Miller is an Archaeologist at International Archaeology, LLC (IA) and International Archaeological Research Institute, Inc. (IARII). Ms. Miller graduated with an M.A. in Anthropology from the University of Auckland, New Zealand. She has several years of research and field experience working throughout the Pacific region, primarily in New Zealand, but also the Southern Cook Islands, Hawai'i, and Tokelau. Ms. Miller has worked on data recovery and monitoring projects for IA and IARII, as well as laboratory analysis for several projects for New Zealand-based companies. She specializes in zooarchaeology, human osteology, and dental anthropology, and her interests include examining human-animal relationships to address questions of diet and health in both past and present human and non-human populations to better understand human paleoecology and environmental impacts. Her Master's thesis addressed issues of identification in highly fragmented human and non-human remains using bone histology with specific application to the Pacific. She also volunteers at Bernice Pauahi Bishop Museum as a research assistant to the Anthropology Department.

Education

M.A., Anthropology, University of Auckland, Auckland, New Zealand, 2015
B.A., Anthropology, University of Auckland, Auckland, New Zealand, 2013
ArcGIS Training, University of Auckland, 2013; IARII-IA, 2015
Human Osteology and Dental Remains Identification, University of Auckland, 2014
Landscape Survey (GPS, Theodolite, Laser Scanner) Training, Univ. of Auckland, 2012-2013

Professional Positions

Archaeologist, International Archaeology LLC, Honolulu, 2015-present
Archaeologist, IARII, Honolulu, 2015-present
Laboratory Technician, Tokelau Science, Education, and Research Project, Tokelau, 2015-present
Research Assistant, Dept. of Anthropology, B. P. Bishop Museum, Honolulu, HI, 2015-present
Research Assistant, Dept. of Anthropology, University of Auckland, Auckland, 2014
Laboratory Technician, Archaeologist Materials Analysis LTD, Auckland, 2014
Graduate Teaching Assistant, University of Auckland, Auckland, 2014
Teaching Assistant, University of Auckland, Auckland, 2013
Field Technician, Dept. of Anthropology, University of Auckland, Auckland, 2013
Laboratory Technician, Dept. of Anthropology, University of Auckland, Auckland 2012-2013
Archaeologist, Clough and Associates, Auckland, New Zealand 2012
Archaeologist, Geometria, Auckland, New Zealand 2012
Research Assistant, Dept. of Anthro., CA Academy of Sciences, San Francisco, CA, 2011-2012

General Archaeological Experience

Archaeologist for two projects on O'ahu
Participation in twelve archaeological projects in the Pacific region
4 years of experience in New Zealand, Hawai'i, Tokelau and the Southern Cook Islands

Recent Pacific Archaeological Experience

Field Technician, Kawānanakoa Monitoring Project, O'ahu, 2015-present
Draftsperson, Ka'a'awa Data Recovery Project, O'ahu, 2015
Draftsperson, University of Hawai'i Elevator Modernization Project, O'ahu, 2015
Field and Laboratory Technician, Ka'a'awa Data Recovery Project, O'ahu, 2015
Laboratory Technician, Tokelau Science, Education, and Research Project, Tokelau, 2015-present
Field and Laboratory Technician, National Geographic Science Polynesian Voyaging Project, Aitutaki, Southern Cook Islands, 2014
Laboratory Technician, Ameti Data Recovery Project, Auckland, New Zealand, 2014
Laboratory Technician, OSHR Data Recovery Project, Auckland, New Zealand, 2014
Laboratory Technician, Ruakaka Data Recovery Project, Northland, New Zealand, 2014



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Recent Pacific Archaeological Experience (Continued)

Field Technician, Masonic Tavern Project, Auckland, New Zealand, 2013

Teaching Assistant, Field and Laboratory Technician, Great Mercury Island/Ahuahu Project and Field School, Great Mercury Island, New Zealand, 2011-2013

Field Technician, Opito Bay Project, Coromandel Peninsular, New Zealand, 2012

Field Technician, Stone Fields Project, Auckland, New Zealand, 2012

Ability to Carry Research to Completion

Completed M.A. thesis and Bachelor of Honors dissertation.

Relevant Projects

Field Technician, Kawānanakoa Waterline Board of Water Supply Monitoring, Nuʻuanu, Oʻahu Island (2015-present): Archaeological monitor for ongoing construction of the Kawānanakoa waterline. *Client: Lyon Island Engineering.*

Laboratory Technician, Tokelau Science, Education, and Research Project, Tokelau and Oʻahu (2015-present): Completed sorting and taxonomic identifications of invertebrate faunal remains recovered from archaeological excavations. *Independent academic research.*

Field and Laboratory Technician, and Draftsperson, Kaʻaʻawa Data Recovery, Kaʻaʻawa, Oʻahu Island (2015): Conducted archaeological data recovery and laboratory analyses for an extensive pre-Contact cultural deposit located in Kaʻaʻawa. *Client: Hawaiʻi Department of Transportation.*

Laboratory Director, M.A. Thesis Research, Auckland, New Zealand (2015): Osteological and histological analysis of modern and archaeological pig, dog, and human remains. Entailed thin section slide preparation, microscopy, and SEM analyses. *University of Auckland.*

Laboratory Technician, Ameti Data Recovery Project, Auckland, New Zealand (2014): Completed sorting of invertebrate and vertebrate faunal remains and taxonomic identifications of the invertebrate midden.

Laboratory Technician, OSHR Data Recovery Project, Auckland, New Zealand (2014): Completed sorting of invertebrate and vertebrate faunal remains and taxonomic identifications of the invertebrate midden.

Laboratory Technician, Ruakaka Data Recovery Project, Northland, New Zealand (2014): Completed sorting of invertebrate and vertebrate faunal remains and taxonomic identifications of the invertebrate midden.

Laboratory Technician, B.A. Honors Dissertation, Auckland, New Zealand (2014): Taxonomic and element identification of pig, dog, and human dental remains from the Cook Islands with analysis of defects/pathologies. Trained using archaeological materials from the Marquesas. *University of Auckland.*



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Academic Publications

Miller, Sophie

- 2015 *Whose Bone is it anyway? Differentiating Pig, Dog and Human Bone using Histological Methods with Archaeological Applications.* Masters of Arts Thesis. Department of Anthropology, University of Auckland.
- 2014 *Oral pathologies in the Southern Cook Islands: A study of diet and health in Sus scrofa on prehistoric Aitutaki.* Bachelor of Arts (Honors) Dissertation. Department of Anthropology, University of Auckland.