Testimony of
Michael Dega, Ph.D.
Scientific Consultant Services, Inc. (SCS)
SLUC Docket No. A10-787 Maui R&T Partners, LLC.

In the Matter of the Petition of Maui R&T Partners, LLC. to Amend the State Land Use District Boundary of Lands Situated at Kihei, Island of Maui, State of Hawaii, Consisting of 253.05 Acres from the Agricultural District to the Urban District, Tax Map Key Nos. (2) 2-2-024: 016 and 017, and (2) 2-2-002: 054 (por.)

My name is Michael Dega and I am a principle investigator at Scientific Consultant Services (SCS). I supervised the Archaeological Inventory Survey of Multiple Land Parcels Located within the Maui Research and Technology Park (September 2008) (included as Appendix D in the Final Environmental Impact Statement). I have 20 years of archaeological experience in the Pacific Basin and have been involved in archaeological projects at SCS since 1997. A copy of my resume is attached.

The purpose of the Archaeological Inventory Survey (AIS) was to determine the presence/absence of surface architecture, midden deposits, and/or artifact deposits on the surface of the parcels through systematic pedestrian survey, to assess site functional and temporal affiliation through recordation and excavation (where possible), and to evaluate the significance of any identified historic properties. Previous archaeological investigations have been conducted on and in close proximity to the MRTP site (Hibbard 1994; Chaffee et al. 1997; McGerty et al. 2000; Sinoto et al. 2001; Tome and Dega 2002; Dega 2003; Monahan 2004). The previous AIS work in and around the MRTP, some of which included subsurface testing, have yielded a modest amount of evidence of historical and traditional human activity.

The MRTP site is located mauka of the Piilani Highway in an area of Kihei described as the “Barren Zone”. The Barren Zone is an intermediary zone that provides access between coastline/beach areas to upland forests. Based on general archaeological and historical research, the Barren Zone was not subject to permanent or expansive population due to the lack of productive natural resources (water, soil, etc.). As such, previous work documented that architectural structures associated with permanent habitation sites and/or ceremonial sites are not often present in the area while temporary habitation-temporary use sites may be present in the Barren Zone.

We located a total of five (5) sites, three (3) on Parcel 17 and two (2) on the portion of Parcel 54. The State site identification numbers and descriptions of the sites follow below:
1. Site 50-50-10-6239: an historic modified outcropping
2. Site 50-50-10-6240: an historic modified outcropping
3. Site 50-50-10-6241: a traditional or historic boundary wall
4. Site 50-50-10-6587: an L-shaped military training feature
5. Site 50-50-10-6588: three (3) mounds which are traditional location markers

The following significance evaluations are criteria established for the State and National Register of Historic Places. These criteria are as follows:

Criterion A: Site is associated with events that have made a significant contribution to the broad patterns of our history.

Criterion B: Site is associated with the lives of persons significant to our past.

Criterion C: Site embodies the distinctive characteristics of a type, period, or method of construction; or represents the work of a master; or possesses high artistic value; or represents a significant and distinguishable entity whose components may lack individual construction.

Criterion D: Site has yielded or has the potential to yield information important in prehistory or history.

Criterion E: Site has an important traditional cultural value to the native Hawaiian people or to another ethnic group of the state due to associations with traditional cultural practices once carried out, or still carried out, at the property or due to associations with traditional beliefs, events, or oral accounts (State of Hawaii criterion only).

An archaeological site is still significant under Criterion D but should sufficient information be collected from the site during archaeological investigations, the site does not require any further mitigation.

All sites identified by the AIS have been assessed as significant under only Criterion D. Consistent with the Barren Zone model for pre-contact settlement in the Kihei area, the project’s AIS yielded a very limited number of sites and therefore no further archaeological work is recommended for this project area.

Recommendations set forth by the AIS include the following:

1. Informally preserve the entirety of Site -6241 wall or portion thereof if given the opportunity.
2. Provide an orange protective fence to be placed along Site -6241 wall on northern ridgeline boundary of Parcel 17 to protect two undocumented rock shelters occurring off site below in Waipuilani Gulch.

In a letter dated October 27, 2008 the State Historic Preservation Division determined that the AIS was acceptable and recommended that Site -6241 should be bordered by a protective orange construction fencing prior to ground altering disturbance within TMK: (2) 2-2-024:017. Furthermore in letters dated August 27, 2012 and December 6, 2012 the State Historic Preservation Division determined that no historic properties will be affected by the proposed project.
MICHAEL F. DEGA
Curriculum Vitae

SUMMARY OF ARCHAEOLOGICAL EXPERIENCE
Twenty years of archaeological experience in the Pacific Basin
(Hawaiian Islands, Micronesia) SE Asia (Cambodia), S. Asia (India). Ph.D.: Prehistoric Circular Earthworks in Cambodia. Focus on archaeological methods, human-environmental interactions, soil and human dynamics, and historical ecology.

ACADEMIC TRAINING

2001 Ph.D. in Anthropology, University of Hawai‘i-Manoa
1995 M.A. in Anthropology, University of Hawai‘i-Manoa
1989 Italian Language Cert., Florida St. University in Florence, Italy
1989 B.A. University of Puget Sound, Tacoma, WA

RECENT IN PRESS AND SELECTED PUBLICATIONS


2010 The Social and Ecological Trajectory of Prehistoric Cambodian Earthworks in Understanding Diverse Landscapes: Historical Ecology and Archaeology in Mainland Southeast Asia. (In publication)

2008 The Archaeology of Kula, Maui (manuscript in production)


1997 An Evaluation of Circular Earthworks in Kampong Cham, Cambodia. International Southeast Asian Archaeology Newsletter, ed. by Laura L. Junker, Vanderbilt University, Nashville, TN.


TECHNICAL PUBLICATIONS
Over 500 Publications of Cultural Resource Management and Archaeological Reports within the Hawaiian Islands (Oahu, Maui, Kauai, Hawaii, Molokai) and Micronesia (Guam, Saipan). Includes Archaeological Inventory Survey, Data Recovery, Burial Treatment Plan, Preservation Plan, Archaeological Monitoring Plan. Experienced with Section 106, NAGPRA, NEPA, ARPA, and other Federal requirements.

SELECTED CONFERENCE PAPERS
April, 2012 The Social and Ecological Trajectory of Prehistoric Cambodian Earthworks. In the Symposium: "Landscape Archaeology in Southeast Asia." Society for American Archaeology, Memphis, TN.
October, 2011 A Tale of Two Hetau: Maui and Hawaii Island. Paper to be Presented at the 24th meeting of the Society for Hawaiian Archaeology, Maui, Hawaii (October 1, 2011).
October, 2010 From Pre-Contact to Polo Matches: A Case Study from Waipouli, Kauai. Paper Presented at the 23rd meeting of the Society for Hawaiian Archaeology, Kauai Island, Hawaii.
October 2009 "Southeast Asia: Current Issues" Society for Hawaiian Archaeology, Honolulu, Hawaii.
October, 2005 Society for Hawaiian Archaeology, Lihue, Hawai‘i. Chair: Professionalism in Hawaiian Archaeology.
January, 2005 Center for Khmer Studies, Siem Reap, Cambodia (with M. Vannary and B. Davis). Excavations at Chamcar Andong, Kampong Cham.
January, 2005 Center for Khmer Studies, Siem Reap, Cambodia (with multiple authors). Overview of the East Cambodia Archaeological Survey.
November, 2004 Society for Hawaiian Archaeology, Hawai‘i Island. Chair: Professionalism in Hawaiian Archaeology II.
April, 2004 Society for American Archaeology, Montreal, Canada (with M. Vannary and B. Davis). Investigation of a Late Prehistoric Habitation Mound Site, Chamcar Andong Rubber Plantation, Kampong Cham, Cambodia.
April, 2004 Society for American Archaeology, Montreal, Canada (with D. Kyle Latinis). Chair: Late Prehistory and Early History in Cambodia.
October, 2003 Society for Hawaiian Archaeology, O‘ahu, Hawai‘i. Chair: Professionalism in Hawaiian Archaeology.
September, 2002 Indo-Pacific Prehistory Association, "Prehistoric Community-level Adaptations: A Cambodia Case Study." Taipei, Taiwan, ROC.
September, 2002 Indo-Pacific Prehistory Association, Co-Chair with Joyce White, "The Missing Millenia in Southeast Asia" Taipei, Taiwan, ROC.
October, 2001 Society for Hawaiian Archaeology Chair, Archaeological Methods Symposium, Maui, Hawaii.
October, 2001 Society for Hawaiian Archaeology (with A. Buffum), Maui, Hawaii. Formation Processes in Coastal Settings: Characterizing a Buried Hawaiian Site.
October, 2001 Society for Hawaiian Archaeology Chair, Greater Pacific Basin Symposium, Maui, Hawaii.
November, 1999 Circular Earthwork Conference, Phnom Penh, Cambodia (with P. Bionn Griffin).
April, 1999 Society for Hawaiian Archaeology, Honolulu Hawaii. Geomorphological and Palynological Investigations on Kagman Peninsula, Saipan, Commonwealth of the Northern Mariana Islands.
April, 1996 Society for American Archaeology Meetings, New Orleans, LA. "Recent Archaeological Investigations in the Lower Mekong of Cambodia" in Old World Archaeology symposium.
April, 1996 Annual East Asian Archaeology Network Meeting, Honolulu, HI. "A Brief Introduction to Funan and the Material Culture of Angkor Borei" in Archaeology of the Lower Mekong symposium.
April, 1996 Annual East Asian Archaeology Network Meeting Honolulu, HI. Co-author "Funan as Center or Funan as Periphery? Explaining State Formation in Mainland Southeast Asia" in Centers and Peripheries in East and Southeast Asia symposium.

SAMPLE OF GRANTS, SCHOLARSHIPS, AND AWARDS
2009-present US Army Garrison, Hawaii: Book, Video, Brochure ($500,000)
2004 Soil Science-Geomorphology Grant, National University of Singapore ($2,000)
2003 Teaching Grant for Khmer Archaeological Research ($15,000)
2002 Center for Khmer Studies-Rockefeller Foundation Fieldwork Grant ($20,000)
2002 Center for Khmer Studies-Rockefeller Foundation Workshop Grant ($3,000)
2001 SCS Grant for Fieldwork, Kampong Cham and Kratie, Cambodia ($20,000)
1999 SCS Radiocarbon Award for Fieldwork in Southeast Asia ($3,000 Stipend)
1998 College of Arts and Sciences Advisory Council Award, IPPA Malaysia
1997 Graduate Assistantship/Teaching Assistant, Univ. Of Hawaii‘i and East-West Center
1997 College of Arts and Sciences Advisory Council Award-Cambodian Research
1996 GSO Travel Grant Award, University of Hawaii-Manoa
1996 College of Arts and Sciences Advisory Council Award-Cambodian Research
1995-96 Univ. of Hawaii‘i Foreign Language Area Scholarship, SE Asian Studies
1995-96 Graduate Assistantship, Univ. of Hawaii‘i/East-West Center
1994 Research Fellowship, American Institute of Indian Studies, New Delhi, India
PROFESSIONAL MEMBERSHIP
Society for Hawaiian Archaeology (SHA), Former Standards and Ethics Committee Chairman; Society for American Archaeology (SAA), Indo-Pacific Prehistory Association (IPPA), Center for Southeast Asian Studies, (Univ of Hawaii), Bernice Pauahi Bishop Museum, Historic Preservation Society, Kaua‘i Museum.

LANGUAGES
English (native language); Med. Cambodian (Khmer), Med. French