

Jennifer Andrea Chmilar, PhD

CONTACT INFORMATION

cell phone: (403) 560-4685
jachmilar@yahoo.ca or jchmilar@ucalgary.ca
jenniferchmilar.wordpress.com

EDUCATION

- ◆ PhD Anthropology, University of California, Riverside (June 2013)
Dissertation title: Ancient Maya Cultivation in a Dynamic Wetland Environment: Insights into the Functions of Anthropogenic Rock Alignments at El Eden Ecological Reserve, Quintana Roo, Mexico
- ◆ MA Anthropology, University of Cincinnati (July 2005)
Thesis title: Ancient Maya Water Storage: Archaeological Investigations at Turtle Pond, Northwestern Belize
- ◆ BSc Archaeology, University of Calgary (2002)

RESEARCH INTERESTS

Environmental archaeology, ecological anthropology, historical ecology, geoarchaeology, paleoecology, anthropogenic environmental manipulations, resource management and organization, political ecology and political economy, heterarchy, resilience and sustainability, water management, ancient agriculture, climate change, GIS, the ancient and modern Maya, Mesoamerica, Latin America.

RESEARCH EXPERIENCE

January 2009- March 2009
Graduate Student Researcher
Center for Conservation Biology
University of California, Riverside

TEACHING EXPERIENCE

Instructor
University of Calgary, Department of Anthropology
Fall 2013 - ANTH 321: Ethnographic Survey of Latin America

Associate In

University of California, Anthropology department
Summer 2009 - ANTH 010: Mysteries of the Ancient Maya
Summer 2007 - ANTH 005: Introduction to Archaeology

Teaching Assistant

2006 - 2008
University of California, Riverside, Anthropology department
ANTH 001: Introduction to Cultural Anthropology
ANTH 003: World Prehistory
ANTH 005: Introduction to Archaeology

University of California, Riverside, Ethnic Studies department
ETST 001: Introduction to Race and Ethnicity

University of California, Riverside, Sociology department
SOC 001: Introduction to Sociology

Graduate Assistant

2003 - 2005

University of Cincinnati, Anthropology department

ANTH 201: Introduction to Archaeology

ANTH 278: Old World Prehistory

ANTH 305: Maya Archaeology

ANTH 308: New World Prehistory

ANTH 315: Southwest Archaeology

ANTH 318: Origins of Agriculture

ANTH 423: Principles of Archaeological Analysis

ANTH 515: Water Management

PROFESSIONAL & FIELD EXPERIENCE

March 2010 - August 2012

Dissertation Research, Project Director

Yalahau Regional Human Ecology Project

March 2009 – June 2009

Field School Instructor

University of California, Riverside and the Yalahau Regional Human Ecology Project

June 2008 – July 2008

March 2007 - June 2007

Field Assistant

Yalahau Regional Human Ecology Project

June 2006- September 2006

Project Archaeologist

Bison Historical Services Ltd., Calgary, Alberta, Canada

◆ Directed small surveys and excavations, communicated with government bodies concerning the recommendations as to how to proceed, wrote final reports.

August 2005- September 2005

Field Assistant

Bison Historical Services Ltd., Calgary, Alberta, Canada

◆ Accompanied a senior archaeologist on numerous field surveys in southern Alberta, central Alberta, and the foothills region of west-southwest Alberta. Developed familiarity with a variety of landforms in Alberta that may have been taken advantage of by ancient people.

April 2005

Geoarchaeological Field School in Guatemala: Student

University of Cincinnati

◆ Participated in field school in San Bartolo, Guatemala that emphasized the understanding of natural and anthropogenic environmental change primarily by soil and pollen analysis but also by examining satellite images, ground survey, and excavation.

June 2004- July 2004

Project Director, Thesis Research

Programme for Belize Archaeological Project

◆ Responsible for thesis research: organized and directed an excavation in Belize at the Programme for Belize, responsible for two permanent staff, occasional workers, and recording of official field records.

June 2003- September 2003

July 2002 - November 2002

Field Assistant

Bison Historical Services Ltd., Calgary, Alberta, Canada

- ◆ Responsible for the excavation of assigned units, recording of artifacts and features, mapping of surface features, soil profiling the walls of the excavation unit, and excavating test pits at prehistoric sites.

May 2002- June 2002

Belize Archaeological Field School: Student

University of Calgary

- ◆ Participated as an advanced student in charge of excavating a Classic Maya shrine structure, including laying of units, proper recording, mapping and photography.

May 2001

Field Assistant

University of Calgary

- ◆ Work at St. Mary's Reservoir/ Wally's Beach, responsible for excavation of assigned units, recording of artifacts and features, and surveying the landscape for artifacts.

June- August 1999

Archaeological Field School: Student

University of Calgary

- ◆ Participated in a beginner level archaeological field school that taught basic archaeological techniques such as laying out units, excavation, recording, mapping, soil profiling, and photography.

LABORATORY EXPERIENCE

January 2005 – April 2005

Lab Analyst

University of Cincinnati, Various geophysical and soils labs

- ◆ Worked with Dr. Nick Dunning to analyze the soil cores taken from excavations at Turtle Pond, Belize for my MA thesis. Analyses included organic matter content (through loss-on-ignition) and texture (through use of a Beckman Coulter LS230 Series Laser Diffraction Particle Size Analyzer). Samples were sent away for AMS analysis and pollen analysis.

October 2002- April 2003

Lab Analyst

Bison Historical Services Ltd., Calgary, Alberta, Canada

- ◆ Responsibilities ranged from analyzing and cataloging lithics, fire broken rock, and historical artifacts to organizing the files as per Borden blocks to digitizing images to photocopying and other office tasks.

PROFESSIONAL AFFILIATIONS

- ◆ Society for American Archaeology Since 2004
- ◆ Society for Applied Anthropology Since 2009
- ◆ Chacmool Lifetime membership since 1998
- ◆ Student Association of Graduate Anthropologists, UCR Since 2005
- ◆ Graduate Student Association at UCR Since 2005
 - ◆ GSA Social Event Committee December 2006 – April 2009

PROFESSIONAL ACTIVITIES

September 2006 – February 2007

James C. Young Colloquium Organizer

University of California, Riverside

- ◆ On the lead organizing team for the 27th annual James Young Colloquium.

September 2001- May 2002

Vice President of Chacmool

University of Calgary

- ◆ Chacmool is the undergraduate archaeology club. Responsibilities included organizing the sale of edited volumes of conference proceedings, keeping editors on track and filing the necessary paperwork, helping to organize one of the largest student-run international conferences, as well as organize social events and fundraisers.

PROFESSIONAL PRESENTATIONS

- ◆ 2011. Jennifer Chmilar. Rock Alignments in Water: The Enigmatic Case at El Edén, Quintana Roo, México. Paper presented at the 44th Annual Chacmool Conference. November 9-13, 2011 University of Calgary.

- ◆ 2011. Jennifer Chmilar. Manejo del ecosistema y manipulacion del paisaje en los humedales de El Eden, Quintana Roo. Paper presented at the 3er Congreso Internacional de Cultura Maya. March 13 – 18, 2011. Merida, Yucatan, Mexico.

- ◆ 2010. Scott Fedick, **Jennifer Chmilar**, Daniel Leonard (presenter). Ancient Maya Wetland Farming and Natural Resource Management in the Yalahau Region of northern Quintana Roo, Mexico. Paper presented at the 109th Annual American Anthropological Association Meeting. November 17 – 21, 2010. New Orleans, Louisiana.

- ◆ 2010. Jennifer Chmilar. The Shifting Wetland Environment of El Edén, Quintana Roo, México. Paper presented at the 43rd Annual Chacmool Conference. November 11-14, 2010 University of Calgary.

- ◆ 2010. Scott Fedick, Daniel Leonard (presenter), **Jennifer Chmilar** (presenter), Maria de Lourdes Flores Delgadillo, Alfredo González, Sergio Palacios Mayorga, Sergey Sedov, and Elizabeth Solleiro Rebolledo. Long-term Implications for Maya Resource Use in the Pulse-Based Ecosystem of the Yalahau Wetlands, Northern Quintana Roo, Mexico. Paper presented at the 70th Annual Meeting of the Society for Applied Anthropology. March 24 – 27, 2010. Merida, Yucatan, Mexico.

- ◆ 2009. Jennifer Chmilar. The Ancient Maya of the Yalahau Region and Rock Alignments in Wetlands: Beginning to Understand this Human – Environment Interaction. Paper presented at the 29th Annual James Young Colloquium. February 14, 2009. University of California, Riverside.

- ◆ 2008. Jennifer Chmilar. Discussant in Archaeology Session at the 28th Annual James Young Colloquium. February 16, 2008. University of California, Riverside.

- ◆ 2006. Jennifer Chmilar. Ancient Maya Water Management at Turtle Pond, Belize. Paper presented at the 71st Annual Meeting for the Society for American Archaeology. April 26-30, 2006. San Juan, Puerto Rico.

- ◆ 2006. Nicholas P. Dunning (presenter), John G. Jones, **Jennifer Chmilar**, and John Mark Blevins. Paleoenvironmental Investigations Near San Bartolo, Peten, Guatemala: 2005. Paper presented at the 71st Annual Meeting for the Society for American Archaeology. April 26-30, 2006. San Juan, Puerto Rico

- ◆ 2006. Jennifer Chmilar. Heterarchy, Hierarchy, and Landscape at the Ancient Maya Site of La Milpa, Northwestern Belize. Paper presented at the 26th Annual James Young Colloquium. February 11, 2006. University of California, Riverside.

- ◆ 2005. Jennifer Chmilar. Ancient Maya Water Storage: Geoarchaeological Analysis of Turtle Pond. Paper presented at the 38th Annual Chacmool Conference entitled Tools of the Trade: Methods, Techniques, and Innovative Approaches in Archaeology. November 10-13, 2005. University of Calgary.
- ◆ 2005. Jennifer Chmilar. Ancient Maya Water Storage: Excavations of the Reservoir at Turtle Pond. Paper presented at the 28th Annual Midwest Conference on Mesoamerican Archaeology and Ethnohistory, March 4-5 2005. University of Indiana, Bloomington.

PUBLICATIONS

Solleiro-Rebolledo, Elizabeth, Hector Victor Cabadas Baez, Teresa Pi Puig, Alfredo González del Ángel, Scott L. Fedick, **Jennifer Chmilar**, and Daniel Leonard
2011 Genesis of hydromorphic Calcisols in wetlands of northeast Yucatan Peninsula, Mexico.
Geomorphology 105: 322-331.

Chmilar, Jennifer

2005 Ancient Maya Water Storage: Archaeological Investigations at Turtle Pond, Northwestern Belize. MA Thesis, University of Cincinnati. http://rave.ohiolink.edu/etdc/view?acc_num=ucin1121358311

Dunning, Nicholas, **Jennifer Chmilar**, Mark Blevins, and John Jones

2005 Investigaciones Geoarqueológicas y del Medio Ambiente en los Alrededores de San Bartolo, Peten. In *Informe Entregado a la Dirección de Patrimonio Cultural y Natural de Guatemala*, edited by Mónica Urquizú and William Saturno, pp. 610-624. Proyecto Arqueológico San Bartolo: Informe Preliminar No. 4, Cuarta Temporada 2005.

ACADEMIC AWARDS

Graduate Division Dissertation Research Grant, \$500
5/2011 by: University of California, Riverside, Graduate Division

UC MEXUS Doctoral Dissertation Grant, \$11, 991
7/2009 by: University of California, Riverside, UC MEXUS

GSA Mini-grant (variable, conference expenses)
4/2008 by: University of California, Riverside, Graduate Student Association
5/2005 by: University of California, Riverside, Graduate Student Association
12/2005 by: University of California, Riverside, Graduate Student Association

UCR Scholarship
9/2005- 6/2006 by: University of California, Riverside

Graduate Assistantship
9/2003- 6/2005 by: University of Cincinnati

University Graduate Scholarship – 100%
9/2003- 6/2005 by: University of Cincinnati

Taft Graduate Enrichment Award
3/2005 by the Taft Fund at the University of Cincinnati

Taft Graduate Travel Grant
2/2005 by the Taft Fund at the University of Cincinnati

Taft Graduate Enrichment Award
6/2004 by the Taft Fund of the University of Cincinnati

Travel Bursary
6/2002 by: University of Calgary travel services

Academic Merit Award
11/2001 by: University of Calgary
Outstanding academic achievement

Nova Bursary/ Trans Canada Pipeline Bursary (formerly the Nova Bursary)
Annual from 4/1998- 4/2000 by Nova
Annual from 4/2001- 4/2002 by: TCPL

Encal Scholarship/ Calpine Scholarship (formerly the Encal Scholarship)
Each semester from 9/1998- 1/2001 by: Encal Energy Ltd.
Each semester from 9/2001-1/2002 by: Calpine Canada

Alexander Rutherford Scholarship
10/1998 by: Alberta Government
Outstanding high school academic achievement