Catherine F. West

5773 South Stevens Hall
University of Maine
Orono, ME 04469-5773
(207) 581-1893
catherine.west@umit.maine.edu

Current Position

University of Maine, Department of Anthropology and Climate Change Institute Present
Assistant Professor

Education

University of Washington, Seattle, WA March 2009
Ph.D., Anthropology
Dissertation Title: *Human Dietary Response to Climate Change and Resource Abundance*

University of Washington, Seattle, WA March 2003
M.A., Anthropology

Bryn Mawr College, Bryn Mawr, PA May 1999
B.A., History
Senior Thesis Title*: Quaker Activism in the Civil War*

Post-Doctoral Experience

Program in Human Ecology and Archaeobiology, Smithsonian Institution Sept 2010 - June 2011
Postdoctoral Fellow
Worked with Dr. Torben Rick at the National Museum of Natural History and Dr. Jeff Speakman at the Smithsonian's Museum Conservation Institute, pursuing a research project that employed zooarchaeological and stable isotope data to reconstruct Kodiak Island's paleoenvironment.

Teaching Experience

University of Maine, Department of Anthropology Present
Assistant Professor
Anthropology 475 Environmental Archaeology

Smithsonian Institution Internship Program Winter 2010-present
Supervisor

Northeastern University, Global Pathways Program
Lecturer
Introduction to Environmental Studies Spring 2009-Spring 2010

Boston University, College of Arts and Sciences Writing Program
Lecturer
Writing 100 and Writing 150: Readings in Archaeology Fall 2008-Fall 2009

University of Washington, Department of Anthropology
Instructor
Archaeology 320 Prehistory of the Northwest Coast Summer 2007
Archaeology 499 Undergraduate Independent Study Fall 2006

Teaching Assistant

University of Washington Archaeological Field School	Summer 2001, 2003
Archaeology 205 Archaeological Method and Theory	Fall 2003
Archaeology 490 Museum Curation	Spring 2003
Archaeology 105 World Prehistory	Winter 2003
Curation Field School	Summer 2002

Professional Development

Boston University Teaching Colloquium Series	Fall 2008
University of Washington Writing-Integrated Course Design Workshop	Spring 2007
University of Washington Teaching Portfolio Development	Spring 2007
University of Washington Preparing Future Faculty: Community College Field Trip	Spring 2007
University of Washington Teaching Workshop	Fall 2002

Research Experience

Department of Anthropology, University of Washington, Seattle, WA
Research Assistant Summer 2004 – Spring 2005
Assisted Dr. Ben Fitzhugh in researching and writing a proposed addition to the existing Bering Ecosystem Study (BEST), which addresses human-environmental interaction in the Bering Sea and emphasizes native involvement in scientific studies. Project funded by the National Science Foundation and entitled *Sustaining the Bering Sea Ecosystem: Community Driven Social Science Planning for the Bering Sea*.

Research Assistant Winter 2004 – Summer 2004
Project funded by the National Science Foundation and directed by Dr. Carol Jolles, entitled *Collaborative Research – Change and Its Impact on Culture, Economy, and Identity in Three North Bering Strait Alaskan Inupiat Societies: Little Diomede Island, King Island, Wales.* As a research assistant, was responsible for transcribing interviews with Inupiat people, preparing manuscripts to be distributed among native communities, and for preparing photographs and maps for integration into manuscripts.

Research Assistant Winter 2001
Assisted Dr. Julie Stein with the editing and publication of *Vashon Island Archaeology* (2003). Processed sediment samples from the Sba'badil Site (45-KI-51).

Community Paleontological Survey, St. George Island, Alaska September 2004
Field Assistant
Worked with the World Wildlife Fund and NOAA representative Dr. Michael Etnier to integrate science into the native community of St. George, Alaska. Surveyed and mapped paleontological site on the island, taught local people and children to use the surveying equipment, and participated in discussions about bringing science to the community.

Burke Museum of Natural History and Culture, Seattle, WA Fall 2000 – Winter 2003
Research Assistant, Archaeology Public Outreach Coordinator
Coordinated Archaeology Public Outreach Program, carried out all artifact identifications and public correspondence, participated in school visits, Archaeology Day, Artifact ID day; teaching assistant for Archaeology 490 course (collections management and curation); researched and rehoused Sba'badid Site (45-KI-51) archaeological collection using archival materials; participated in all aspects of collections management (cleaning, labeling, rehousing, stabilizing, and cataloging artifacts, condition reports); computer programs: Argus, Excel, PastPerfect, Adobe Photoshop.

Curation Field School, Burke Museum, University of Washington, Seattle Summer 2002
Teaching Assistant
Assisted Paula Johnson (Paragon Research Associates) with Curation Field School. Students rehoused, researched, conserved, cataloged, and created database for Caples Site (45-SK-5) collection. Assisted with all collections related activities and delivered lectures.

Smithsonian Museum of American Art, Washington, D.C. Fall 1999-Spring 2000
Intern
As an intern and employee of the Renwick Gallery and SMAA, received broad training in museum operations. Researched and wrote wall text for the permanent collection. Worked with storage (framed and unframed art), packing and shipping, in-coming and out-going loans, photography, and the traveling exhibitions *Treasures to Go*. Employed by the administrative offices of the museum.

Bryn Mawr College Collection, Bryn Mawr, PA Fall 1997-Summer 1999
Collections Assistant
Rehoused collections of Native American Southwest pottery sherds using archival materials. Cataloged in-coming African art collection, and created exhibit for Bryn Mawr College library entitled *Mende Masks*.

University of Pennsylvania Museum, Philadelphia, PA Summers 1997, 1999
Intern
Worked in Registrar's office and Mediterranean section cataloging Roman coins and medals in Argus computer catalog. Packed and moved Cypriote and Babylonian collections.

Library Company of Philadelphia, Philadelphia, PA Summer 1999
Research Assistant
Used Library Company archives to research female shareholders from the eighteenth century to the present. Researched and rehoused photographs in archives.

Archaeological Field Experience

Alutiiq Museum and Archaeological Repository Field Projects, Kodiak Island, Alaska
Archaeologist

Penguk Excavation Summer 2010
Worked for the Bureau of Indian Affairs and Kodiak's Alutiiq Museum to excavate a series of previously unknown Norton-era structures on the Alaska Peninsula.

Olga Lakes Survey Spring 2006
Surveyed and tested prehistoric house pits along Olga Creek and Lower Olga Lake with the Alutiiq Museum. Tested house pits, recorded information, and collected artifacts, radiocarbon samples, and midden material. Processed these materials at the Alutiiq Museum.

Chirikof Island Survey Spring 2005
Surveyed and tested archaeological sites on Chirikof Island with the Alutiiq Museum and Donald Clark. Tested eroding prehistoric sites, recorded information, and collected artifacts, radiocarbon samples, and midden material. Processed and cataloged these materials at the Alutiiq Museum.

Uganik Island Excavation Summer 2004
Worked for the Bureau of Indian Affairs and Kodiak's Alutiiq Museum to excavate two prehistoric pit houses and two middens (KOD 415) as a mitigation project. Was responsible for sampling and analysis of all faunal material, and participated in all aspects of survey and excavation. Worked with local people as part of the Alutiiq Museum's Stewardship Program to protect and record archaeological sites.

Red River Survey Summer 2004
Surveyed and tested archaeological sites at the outlets of Kodiak's Red River and Connecticut Creek with the Alutiiq Museum and Donald Clark. Tested 130 prehistoric house pits, recorded information, and collected artifacts, radiocarbon samples, and midden material. Processed and cataloged these materials at the Alutiiq Museum.

BOAS, Inc. Winter 2006-Spring 2007
Archaeologist

Employed by Cultural Resource Management firm to test archaeological sites in Washington State in anticipation of land development. Principal Investigator: Dr. Phil LeTourneau.

San Juan Islands Archaeological Project, San Juan Islands, WA Summer 2005
Archaeologist
Worked with SJIAP archaeologists from the University of Washington to auger shell middens in the San Juan Island archipelago, and to vibra-core a marsh with the USGS on Lopez Island to gather paleoenvironmental data. Collaborated with members of the Lummi tribe to identify human remains in the samples.

University of Washington Field School, Kodiak Island, Alaska Summer 2001, 2003
Teaching Assistant
Teaching assistant for an eight week field school at the Tanginak Spring site (KOD 481) with Dr. Ben Fitzhugh. Delivered lectures and gave instruction in the field, performed excavation, operated Total Station. Was in charge of recruiting high school students from the local village of Old Harbor, AK to participate in the excavation.

Courtland Street Dig, Burke Museum, University of Washington, Seattle Fall 2002
Teaching Assistant
Participated in an excavation designed for fourth and fifth graders at Rainier Valley elementary school. Taught students to excavate, screen, identify artifacts, clean and catalog artifacts, and how to interpret their archaeological site. Gave tours to local residents about the archaeology and history of the area.

Bryn Mawr College Field School, Unalaska Island, Alaska Summer 1998
Field School Student
Worked with Dr. Richard Davis at Summer Bay prehistoric Aleut site. Learned excavation techniques in the Alaskan environment, and cleaned and sorted artifacts (bone and stone). Cataloged and entered artifacts in the Museum of the Aleutians computer system.

Awards

National Science Foundation Dissertation Improvement Grant
Human Dietary Response to Climate Change and Resource Availability $19,800

Prince William Sound Oil Spill Recovery Institute Graduate Research Fellowship, 2006-2007
Human Dietary Response to Climate Change and Resource Availability $33,333

Prince William Sound Oil Spill Recovery Institute Graduate Research Fellowship, 2005-2006
Human Dietary Response to Climate Change and Resource Availability $33,333

Jim VanStone Advanced Graduate Student Scholarship, Alaska Anthropological Association
Support for dissertation research in Alaska. $750

Quaternary Research Center Dissertation Funding, University of Washington
Support for dissertation research and travel. $960

SEARCH Open Science Meeting Student Scholar
Support for students participating in the *Study of Environmental Arctic Change* conference $250

James Fellowship, University of Washington
Fellowship for students of high academic standards studying Pacific Northwest Anthropology. $4,000

Olson Fellowship, University of Washington
Fellowship for academically outstanding student with Northwest Native American interests. $1,400

Most Innovative Methods Award
Breadth in Anthropological Research Conference, University of Washington

Publications

West, Catherine F., Stephen Wischniowski, and Christopher Johnston *Pacific Cod (Gadus macrocephalus) Otoliths as a Paleothermometer: Otolith Oxygen Isotope Reconstruction in the Gulf of Alaska.* In review.

West, Catherine F. Cod, Culture, or Climate? Variability in Kodiak Island's Prehistoric Fisheries. *From Field to Table: Historical Ecology of Regional Subsistence Strategies*, edited by David Goldstein. White Paper Contribution. University of South Carolina, Columbia. In review.

West, Catherine F., Stephen Wischniowski, and Christopher Johnston. 2011 Little Ice Age Climate: *Gadus macrocephalus* otoliths as a measure of local variability. In *The Archaeology of North Pacific Fisheries*, edited by Madonna Moss and Aubrey Cannon. University of Alaska Press, Fairbanks. In press.

West, Catherine F. Bone and Antler Tools. 2011 In *Is it a House? Archaeological Excavations at English Camp, San Juan Island, Washington*, edited by Amanda K. Taylor and Julie K. Stein. University of Washington Press, Seattle. In press.

West, Catherine F. 2011 A Revised Radiocarbon Sequence for New Karluk and the Implications for Kodiak Island Prehistory. *Arctic Anthropology* 48(1). In press.

West, Catherine Foster 2009 Kodiak Island's Prehistoric Fisheries: Human Dietary Response to Climate Change and Resource Availability. *Journal of Island and Coastal Archaeology* 4(2): 223-239.

Foster, Catherine W. 2006 Faunal Analysis. *The Archaeology of Horseshoe Cove: Excavations at KOD-415, Uganik Island, Kodiak Archipelago, Alaska,* edited by Patrick Saltonstall and Amy Steffian. Occasional Papers in Alaskan Field Archaeology No.1, Bureau of Indian Affairs, Alaska Region.

Fitzhugh, Ben, Henry Huntington, Mary Pete, and Catherine Foster *Sustaining the Bering Ecosystem: A Social Science Research Plan for the Bering Sea.* National Science Foundation.

Museum Exhibits

500 Years of Fishing, Alutiiq Museum and Archaeological Repository, Kodiak, Alaska. September-December 2007.

Prehistoric Coastal Alaska: Artifacts that Reflect a Way of Life, Burke Museum of Natural History and Culture, University of Washington, November 2003-February 2004.

Research Assistant. *Entwined With Life, Native American Basketry,* Burke Museum of Natural History and Culture, University of Washington, October 2000 – May 2001.

African Mende Masks, Bryn Mawr College Libraries, January - September 1999.

Invited Talks

West, Catherine F. *Archaeology at the Museum Conservation Institute: Stable Isotopes in Historical Ecology*. Paper presented at the 4th Annual Conservation Conference, Smithsonian Institution, June 16, 2011.

West, Catherine F. *Paleoenvironmental Reconstruction in Alaska's Kodiak Archipelago.* Paper presented at the Kodiak Area Marine Sciences Symposium. Kodiak, Alaska, April 9-12, 2011.

West, Catherine F. *Fishing in the Little Ice Age*. Invited talk presented at Oberlin College, November 5, 2010.

West, Catherine F. Cod, Culture, or Climate? Variability in Kodiak Island's Prehistoric Fisheries. *From Field to Table: Historical Ecology of Regional Subsistence Strategies*, University of South Carolina, Columbia, March 19-20, 2010.

West, Catherine Foster *Little Ice Age Climate: Gadus macrocephalus otoliths as a measure of local variability.* Invited paper in symposium entitled "The Archaeology of North Pacific Fisheries", organized by Madonna Moss and Aubrey Cannon, presented at the 2008 meeting of the Society for American Archaeology, Vancouver, British Columbia.

West, Catherine Foster *500 Years of Fishing.* Invited talk presented at the Alutiiq Museum and Archaeological Repository, Kodiak, Alaska, September Science Series, September 29, 2007.

Foster, Catherine W. *Fishing in the Little Ice Age: Human Dietary Response to Climate Change and Resource Availability*. Invited talk presented at Portland State University, First Thursday Archaeology Lecture Series, May 2007.

Foster, Catherine W. *Kodiak Island's Prehistoric Fisheries: Human Dietary Response to Climate Change and Resource Availability.* Invited Paper in symposium entitled "Island Zooarchaeology: Synergy and Synthesis", presented at the 2007 meeting of the Society for American Archaeology, Austin, Texas.

Foster, Catherine W. *Kodiak Island's Prehistoric Fisheries: Human Dietary Response to Climate Change and Resource Availability*. Invited Paper in symposium entitled "Papers in Honor of Donald W. Clark", presented at the 2006 meeting of the Alaska Anthropological Association, Kodiak.

Conference Proceedings

West, Catherine F., Torben C. Rick, and Christine M. France. *Stable Isotopes in Historical Ecology, Kodiak Island, Alaska.* Poster presented at the 2011 meeting of the Society for American Archaeology. Sacramento, California.

Gregory-Eaves, Irene, Daniel Selbie, Guangjie Chen, Bruce Finney, Catherine Foster **West**, Daniel Schindler, and P. Leavitt *What can long-term paleolimnological records of sockeye salmon dynamics tell us?* Paper presented at the Ecological Society of America/Society for Ecological Reconstruction Joint Meeting, San Jose, California, 2007.

Foster, Catherine W. *Prehistoric Fisheries in the Gulf of Alaska: Human Dietary Response to Climate Change and Resource Availability.* Poster presented at the 2006 meeting of the International Council for Archaeozoology, Mexico City.

Foster, Catherine W. *Fluctuating Resource Abundance and Prehistoric Fisheries.* Paper presented at BAR: Breadth in Anthropological Research Conference, University of Washington, Seattle, 2006.

Foster, Catherine W. and Justin M. Hays *Preliminary Analyses of an Early Kachemak Midden at Horseshoe Cove, Kodiak Island***.** Paper presented at the 2005 meeting of the Alaska Anthropological Association, Anchorage

Deo, Jennie N., Catherine W. **Foster**, Margaret R. Berger, and Ben Fitzhugh *Shaking up the Neighborhood: Historic Perspective on Resilience and Vulnerability in the Gulf of Alaska.* Poster presented at the SEARCH Open Science Meeting, Seattle, Oct. 27-30, 2003 and the 11th Annual Arctic Conference, Seattle, November 7-8, 2003.

Fitzhugh, Ben, Jennie N. Deo, Catherine W. **Foster**, and Margaret R. Berger *The Tanginak Spring Site: Updating the Ocean Bay.* Paper presented at the 11th Annual Arctic Conference, Seattle, November 7-8, 2003.

Professional Service

Referee 2010-present
University of Utah Press
Journal of Island and Coastal Archaeology

Geoarchaeology
BAR International Series

Committee Member

University of Washington Department of Anthropology Faculty Search	2006
Boston University Writing Center Resources and Review Committee	2009

Professional Memberships

Society for American Archaeology
Alaska Anthropological Association
Alaska Consortium of Zooarchaeologists
International Council for Archaeozoology

References

Dr. Donald Grayson (Ph.D. committee chair)
Department of Anthropology
University of Washington
Box 353100
Seattle, WA 98195
E-mail: grayson@u.washington.edu
Phone: (206) 543-5587
Fax: (206) 543-3285

Dr. Torben Rick (Post-doctoral supervisor)
Curator and Research Scientist
Director, Archaeobiology Program
Department of Anthropology
National Museum of Natural History
Smithsonian Institution
Washington D.C. 20013-7012
E-mail: rickt@si.edu
Phone: (202) 633-1890
Fax: (202) 357-2208

Dr. Ben Fitzhugh
Department of Anthropology
University of Washington
Box 353100
Seattle, WA 98195
E-mail: fitzhugh@u.washington.edu
Phone: (206) 543-9604
Fax: (206) 543-3285

Dr. Julie Stein
Director, Burke Museum of Natural History and Culture
University of Washington
Box 353010
Seattle, WA 98196
E-mail: jkstein@u.washington.edu
Phone: (206) 543-2784
Fax: (206) 685-3039