Catherine F. West

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Academic Positions

Academic Positions	
Boston University, Department of Archaeology Research Assistant Professor	2013-Present
Boston University Marine Program Affiliated Faculty	2015-Present
Boston University Biogeosciences Program Affiliated Faculty	2015-Present
University of Maine, Department of Anthropology and Climate Change Institute Assistant Professor	2011-2013
National Museum of Natural History, Smithsonian Institution Research Collaborator	2011-Present
Program in Human Ecology and Archaeobiology, Smithsonian Institution Postdoctoral Fellow	2010-2011
Department of Anthropology, University of Washington, Seattle, WA <i>Research Assistant</i>	2001-2005
Burke Museum of Natural History and Culture, Seattle, WA Research Assistant, Archaeology Public Outreach Coordinator	2000-2003
Education	
University of Washington, Seattle, WA Ph.D., Anthropology	March 2009
University of Washington, Seattle, WA M.A., Anthropology	March 2003
Bryn Mawr College, Bryn Mawr, PA B.A., History	May 1999

Archaeological Field Experience

Alutiiq Museum Community Archaeology Project and Field School, Kodiak, AK Co-Director http://www.alutiiqmuseum.org/education/programs/208-community-archaeology.html	2015
Chirikof Island, Alaska Expedition (funded by National Geographic) Principal Investigator http://sites.bu.edu/zooarchlab/research/	2013
Alutiiq Museum and Archaeological Repository Field Projects, Kodiak Island, AK Archaeologist	
Old Harbor Excavation	2013
Penguk Excavation	2010
Olga Lakes Survey	2006
Chirikof Island Survey	2005
Uganik Island Excavation	2004
Red River Survey	2004
BOAS, Inc. Archaeologist	2006-2007
San Juan Islands Archaeological Project, San Juan Islands, WA Archaeologist	2005

University of Washington Field School, Kodiak Island, Alaska

Publications

Peer Reviewed Publications

Teaching Assistant

In press **West**, Catherine F., Meghan Burchell, and C. Fred T. Andrus. Shellfish and Paleoenvironmental Reconstruction in Island and Coastal Settings: Variability, Seasonality, and Sampling. In *Zooarchaeology in Practice*, edited by Christina M. Giovas and Aaron Poteate. Springer, New York.

2001, 2003

- West, Catherine F., Courtney A. Hofman, Steve Ebbert, John Martin, Sabrina Shirazi, Samantha Dunning, and Jesus Maldonado. Integrating archaeology and ancient DNA to address invasive species colonization in the Gulf of Alaska. *Conservation Biology*, Published on-line in 2016. doi: 10.1111/cobi.12865
- West, Catherine F., Samantha M. Dunning, Steve Ebbert, Courtney A. Hofman, Patrick G. Saltonstall, and Jack Withrow. Archaeology and Invasive Species Management: The Chirikof Island Project. *Journal of Island and Coastal Archaeology*. Published on-line in 2016. doi:10.1080/15564894.2016.1172383
- West, Catherine F. and Christine A. France. Human and Canid Dietary Relationships: Comparative Stable Isotope Analysis from Kodiak Island, Alaska. *Journal of Ethnobiology* 35(3): 519-535.
- West, Catherine F. and Kayla N. Jarvis. Osteometric Variation in Domestic Dogs (*Canis familiaris*) from the Kodiak Archipelago, Alaska. *International Journal of Osteoarchaeology* 25: 289-298. Published online in 2012. doi:10.1002/oa.2293.
- West, Catherine F., Special Section Editor's Corner: Islands, Coastlines, and Stable Isotopes:
 Advances in Archaeology and Geochemistry. *Journal of Island and Coastal Archaeology* 8(2): 1-3.

- 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. *Journal of Archaeological Science* 39(10): 3277-3283.
- West, Catherine F., Stephen Wischniowski, and Christopher Johnston. 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, pp 31-44. University of Alaska Press, Fairbanks.
- West, Catherine F. A Revised Radiocarbon Sequence for New Karluk and the Implications for Kodiak Island Prehistory. *Arctic Anthropology* 48(1): 80-92.
- West, Catherine Foster. Kodiak Island's Prehistoric Fisheries: Human Dietary Response to Climate Change and Resource Availability. *Journal of Island and Coastal Archaeology* 4(2): 223-239.

Other Publications

- West, Catherine F. Book Review: Applied Zooarchaeology. *The Holocene*.
- West, Catherine F. How Old Is Karluk-One? In *Kal'unek: From Karluk*, edited by Amy Steffian, Marnie Leist, Sven Haakanson, Jr., and Patrick Saltonstall, p. 61. University of Alaska Press, Fairbanks.
- West, Catherine F. Learning from Fish Bones. In *Kal'unek: From Karluk*, edited by Amy Steffian, Marnie Leist, Sven Haakanson, Jr., and Patrick Saltonstall, pp. 156-157. University of Alaska Press, Fairbanks.
- West, Catherine F. Old Harbor, KOD-478: Faunal Analysis. In *Prehistoric Settlements of the Midway Bay Peninsula, Old Harbor, Alaska*. Report prepared for Old Harbor Native Corporation, by Amy Steffian and Patrick Saltonstall, pp. 170-175. Alutiiq Museum and Archaeological Repository.
- West, Catherine F. Book Review: Keystone Nations: Indigenous Peoples and Salmon Across the North Pacific. *Alaska Journal of Anthropology* 11: 195-196.
- West, Catherine F. Bone and Antler Tools. In *Is it a House? Archaeological Excavations at English Camp, San Juan Island, Washington*, edited by Amanda K. Taylor and Julie K. Stein, pp. 95-102. University of Washington Press, Seattle.
- 2006 [West] Foster, Catherine W. Faunal Analysis. Appendix C: *The Archaeology of Horseshoe Cove: Excavations at KOD-415, Uganik Island, Kodiak Archipelago, Alaska*, edited by Patrick Saltonstall and Amy Steffian, pp. 130-134. Occasional Papers in Alaskan Field Archaeology No.1, Bureau of Indian Affairs, Alaska.

Teaching Experience

Boston University, Department of Archaeology

2013-present

Research Assistant Professor

Archaeology 450 Archaeological Method and Theory (senior capstone)

Archaeology 401/402 Work for Distinction Advising

Archaeology 382/782 Zooarchaeology

Archaeology 308 Archaeological Materials Analysis and Research Design

Archaeology 307 Archaeological Science

Archaeology 290 Human Impacts on Ancient Environments

Archaeology 283 North American Archaeology

University of Maine, Department of Anthropology

2011-2013

Assistant Professor Anthropology 414 Ethics in Archaeology Anthropology 475 Environmental Archaeology Anthropology 478 Zooarchaeology Anthropology 497 Independent Study Anthropology 492 Capstone in Anthropology Anthropology 340 Arctic and Subarctic Archaeology Anthropology 280 Northwest Coast Prehistory	
Smithsonian Institution Internship Program Supervisor	2010-2011
Northeastern University, Global Pathways Program Lecturer Introduction to Environmental Studies	2009-2010
Boston University, College of Arts and Sciences Writing Program Lecturer Writing 100 and Writing 150: Readings in Archaeology	2008-2009
University of Washington, Department of Anthropology Instructor Archaeology 320 Prehistory of the Northwest Coast Archaeology 499 Undergraduate Independent Study	2001-2007
Teaching Assistant University of Washington Archaeological Field School Archaeology 205 Archaeological Method and Theory Archaeology 490 Museum Curation Archaeology 105 World Prehistory Curation Field School	
Professional Development Boston University Graduate Mentoring Seminar University of Maine Center for Excellence in Teaching and Assessment Workshops Boston University Teaching Colloquium Series University of Washington Writing-Integrated Course Design Workshop University of Washington Teaching Portfolio Development University of Washington Preparing Future Faculty: Community College Field Trip University of Washington Teaching Workshop	2002-2015

Honors

New Generation of Polar Researchers Leadership Symposium, 2015 Selected Participant

Sponsored by the National Science Foundation, Division of Polar Programs

Most Innovative Methods Award, 2009

Breadth in Anthropological Research Conference, University of Washington

Grants and Fellowships

Boston University Office of the Provost, Assessment Mini-Grant, 2017

Assessment in Archaeological Science, \$1000

National Science Foundation, Division of Polar Programs, 2016-2019 Principal Investigator

Collaborative Research: Archaeological and Paleoenvironmental Perspectives of Climate Change in the Aleutian Islands, \$650,000

Boston University Conference Travel Award, 2014

Support for international travel, \$2000

Undergraduate Research Opportunities Program Advisor, 2014-2017

Support for undergraduate research projects and travel, \$3500

National Geographic Society Explorers Grant, 2013-2014 Principal Investigator

Archaeology, Climate Change, and Conservation in the Arctic, \$17,000

Pre-tenure Research and Creative Activity Fellowship, University of Maine, 2013 Support for grant writing, \$16,000

Center for Undergraduate Research Fellowship, University of Maine, 2013 Support for undergraduate research project, \$2000

Center for Excellence in Teaching and Assessment, University of Maine, 2012 Faculty Development Funds, \$1300

Center for Excellence in Teaching and Assessment, University of Maine, 2012 Active Student Learning Micro-Grant, \$700

National Science Foundation ADVANCE Research Seed Grant, 2012

Collaborative Research on Arctic Paleoenvironmental Reconstruction, \$7,300

Smithsonian Institution Postdoctoral Fellowship, 2010-2011

National Museum of Natural History and Museum Conservation Institute, \$35,000

National Science Foundation Dissertation Improvement Grant, 2006-2007

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

Museum Exhibits

- 2007 500 Years of Fishing, Alutiiq Museum and Archaeological Repository, Kodiak, Alaska.
- 2004 Prehistoric Coastal Alaska: Artifacts that Reflect a Way of Life, Burke Museum of Natural History and Culture, University of Washington.
- 1999 *African Mende Masks*, Bryn Mawr College Libraries (http://www.brynmawr.edu/collections/Exhibitions/exh-mende.shtml).

Invited Talks

- West, Catherine F. Applied Archaeology? Zooarchaeology, Genetics, and Landscape Reconstruction in the Arctic. University of Massachusetts, Department of Environmental Conservation.
- West, Catherine F. Archaeology, Historical Ecology, and Climate Change: 5000 Years in the Gulf of Alaska. San Diego State University, Department of Anthropology.
- West, Catherine F. A View from the North: Human Responses to Resource Abundance and Climate Change. University of Connecticut, Department of Anthropology.
- West, Catherine F., C. Fred T. Andrus, Meghan Buchell, and Michael Etnier. *Abrupt Climate Change in the Aleutian Islands*. Symposium entitled "The Archaeological Record as a Paleoclimatic and Paleoenvironmental Archive," organized by D. Sandweiss and A. Kelley, Geological Society of America, Vancouver.
- West, Catherine F., Meghan Burchell, and C. Fred T. Andrus. Shellfish and Paleoenvironmental Reconstruction in Island and Coastal Settings: Variability, Seasonality, and Sampling.

 Symposium entitled "Current Issues in Zooarchaeological Sampling and Methodology," organized by C. Giovas and A. Poteate, Society for American Archaeology, Austin, TX.
- West, Catherine F. *Ukamak: Archaeology and Ecology on Chirikof Island*. September Science Series, Alutiq Museum and Archaeological Repository, Kodiak, Alaska.
- West, Catherine F. and C. Fred T. Andrus. *High Resolution Sampling of Saxidomus gigantea in the Kodiak Archipelago, Alaska*. Symposium entitled "Small Samples, Big Questions: New Methods and Applications in Biomolecular Archaeology," organized by A. Henry, C. Hofman, and C. Warinner, Society for American Archaeology, Honolulu, HI.
- West, Catherine F. and C. Fred T. Andrus. *Paleoenvironmental Reconstruction in the Kodiak Archipelago: A Perspective from Arctic Archaeology*. Symposium entitled "Advances in Sclerochronology," organized by F. Andrus and D. Surge, Geological Society of America, Charlotte, NC.
- West, Catherine F. and Torben C. Rick. A View from the Coast: Stable Isotope and Zooarchaeological Analyses of Canid and Human Diets. Symposium entitled "Beyond Domestication: The Archaeology of the Human/Dog Relationship," organized by J. Koster and A. Perri, Society for American Archaeology, Memphis, TN.
- West, Catherine F. *Hunter-Gatherers, Climate Change, and Resource Availability in the Gulf of Alaska*. University of Maine Interdepartmental graduate seminar (INT 500), Orono, ME.

- West, Catherine F. *Archaeology at the Museum Conservation Institute: Stable Isotopes in Historical Ecology.* The 4th Annual Conservation Conference, Smithsonian Institution, Washington, D.C.
- West, Catherine F. *Paleoenvironmental Reconstruction in Alaska's Kodiak Archipelago*. Kodiak Area Marine Sciences Symposium, Kodiak, AK.
- 2010 West, Catherine F. Fishing in the Little Ice Age. Department of Anthropology, Oberlin College.
- West, Catherine F. Cod, Culture, or Climate? Variability in Kodiak Island's Prehistoric Fisheries. Symposium entitled "From Field to Table: Historical Ecology of Regional Subsistence Strategies." Department of Anthropology, University of South Carolina.
- 2008 **West**, Catherine Foster *Little Ice Age Climate: Gadus macrocephalus otoliths as a measure of local variability.* Symposium entitled "The Archaeology of North Pacific Fisheries", organized by M. Moss and A. Cannon, Society for American Archaeology, Vancouver, British Columbia.
- West, Catherine Foster *500 Years of Fishing*. Alutiiq Museum and Archaeological Repository September Science Series, Kodiak, AK.
- 2007 [West] Foster, Catherine W. Fishing in the Little Ice Age: Human Dietary Response to Climate Change and Resource Availability. First Thursday Archaeology Lecture Series, Portland State University.
- 2006 [West] Foster, Catherine W. Kodiak Island's Prehistoric Fisheries: Human Dietary Response to Climate Change and Resource Availability. Symposium entitled "Island Zooarchaeology: Synergy and Synthesis", Society for American Archaeology, Austin, TX.
- 2006 [West] Foster, Catherine W. Kodiak Island's Prehistoric Fisheries: Human Dietary Response to Climate Change and Resource Availability. Symposium entitled "Papers in Honor of Donald W. Clark", Alaska Anthropological Association, Kodiak, AK.

Conference Proceedings

Conferences and Sessions

- 2016 Stable Isotopes in Zooarchaeology conference organized by S. Pilaar-Birch and C. West, Stable Isotope Working Group, International Council of Archaeozoology, Athens, Georgia.
- 2015 Northeast Environmental Archaeology Network annual meeting organized by J. Marston and C. West, Boston University.
- 2015 *Islands and Invasions* session organized by C. Hofman and C. **West**, Society for American Archaeology, San Francisco, California.
- 2014 Northeast Environmental Archaeology Network annual meeting organized by J. Marston, C. **West**, and A. Smith, Boston University.
- Molluscs as a Record of Human-Environment Relationships session organized by C. Giovas, Z. Antipushina, and C. **West**, International Council of Archaeozoology, San Rafael, Argentina.

Papers

2016 Fitzhugh, Ben, George Hambrecht, Michael Etnier, and Catherine West. Human Ecodynamics of Subarctic Islands of the North Atlantic and North Pacific in Comparative Perspective. Symposium entitled "Model Environments: Human Ecodynamics on Islands" organized by R. DiNapoli and T. Leppard, Society for American Archaeology, Orlando.

- 2016 Bassett*, Christine, Fred Andrus, and Catherine **West**. Clams and Climate: Implications for Reconstructing Past Environments in Southern Alaska. Stable Isotope Working Group Meeting, International Council of Archaeozoology. *first author is a student
- 2016 Bassett, Christine*, C. Fred T, Andrus, Catherine **West**, and Michael Etnier. *Clams and Climate: Implications for reconstructing paleoseasonality in the North Pacific.* Paper presented at the 4th International Sclerochronology Conference, Bar Harbor, Maine. *first author is a student
- West, Catherine F., Courtney A. Hofman, and Steve Ebbert. *Invasive or endemic? Management implications of archaeological data in the Alaska Maritime National Wildlife Refuge*. Symposium entitled "Islands and Invasions," organized by C. Hofman and C. West, Society for American Archaeology, San Francisco, California.
- West, Catherine F., C. Fred T. Andrus, and Michael Etnier. *Abrupt Climate Change in the Aleutian Islands*. Symposium entitled "Molluscs as a Record of Human-Environment Relationships," organized by C. Giovas, Z. Antipushina, and C. West, International Council of Archaeozoology, San Rafael, Argentina.
- Dunning, Samantha*, Catherine F. **West**, and Courtney Hofman. *Genetic Continuity in Chirikof Island Ground Squirrels: Evidence from Ancient DNA*. Alaska Anthropological Association, Fairbanks, AK. *first author is a student
- West, Catherine F. *Zooarchaeology and Conservation Biology in the Gulf of Alaska*. Borns Symposium, Climate Change Institute, University of Maine.
- 2007 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?* Ecological Society of America/Society for Ecological Reconstruction Joint Meeting, San Jose, CA.
- 2006 [West] Foster, Catherine W. *Fluctuating Resource Abundance and Prehistoric Fisheries*. Breadth in Anthropological Research Conference, University of Washington, Seattle.
- 2005 [West] Foster, Catherine W. and Justin M. Hays *Preliminary Analyses of an Early Kachemak Midden at Horseshoe Cove, Kodiak Island.* Alaska Anthropological Association, Anchorage
- Fitzhugh, Ben, Jennie N. Deo, Catherine W. Foster [West], and Margaret R. Berger *The Tanginak Spring Site: Updating the Ocean Bay.* 11th Annual Arctic Conference, Seattle.

Posters

- Cunningham, Samantha*, Catherine F. **West**, and Courtney Hofman. Genetic Continuity in Chirikof Island Ground Squirrels: Evidence from Ancient DNA. Center for Undergraduate Research Showcase, University of Maine. *first author is a student
- Bird, Kendra D. and Catherine F. **West**. *Zooarchaeology and Conservation Biology in the Gulf of Alaska*. Center for Undergraduate Research Showcase, University of Maine. **CLAS Dean's award for best student poster**. *first author is a student
- West, Catherine F., Torben C. Rick, and Christine M. France. *Stable Isotopes in Historical Ecology, Kodiak Island, Alaska*. Society for American Archaeology, Sacramento, California.
- 2006 [West] 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.

Deo, Jennie N., Catherine W. Foster [**West**], 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 and the 11th Annual Arctic Conference, Seattle.

Professional Service

Workshops 2014-present

East Coast Arctic Horizons Workshop Invitee, NSF Arctic Social Sciences Program Northeast Environmental Archaeology Network Organizer

Committees 2014-present

SAA Island and Coastal Interest Group Symposium Sponsorship, Committee Member ICAZ Stable Isotope Working Group, Co-Chair

Referee 2010-present

Cambridge University Press
University of Utah Press
Environmental Archaeology
Journal of Archaeological Science
Journal of Archaeological Science, Reports
Journal of Archaeological Method and Theory
Journal of Field Archaeology
Alaska Journal of Anthropology
Journal of Island and Coastal Archaeology
Geoarchaeology
Science Reports, Nature Publishing Group
BAR International Series
PLOS ONE

University Service

Boston University, College of Arts and Sciences Social Sciences Curriculum Committee	Present
Boston University, Department of Archaeology Graduate Studies Committee	Present
Boston University, Department of Archaeology Undergraduate Studies Committee	Present
Boston University, Department of Archaeology Laboratory Committee	Present
Boston University, Department of Archaeology, Merit Review Committee	2014-2015
Boston University, Office of Sponsored Programs Committee	2014
University of Maine, Quaternary and Climate Sciences Program, Graduate Coordinator	2012-2013
University of Maine, IGERT Graduate Admissions Committee	2012-2013
University of Maine, IGERT Faculty Associate	2012-2013
University of Maine, Anthropology Department, Chair Search Committee	2013
University of Maine, Anthropology Department, Administrator Search Committee	2013
University of Maine, Cultural Affairs Committee	2011-2013
Boston University, Writing Center, Resources and Review Committee	2009
University of Washington, Department of Anthropology Faculty Search Committee	2006

Public Outreach and Press

Press Release: https://www.eurekalert.org/pub_releases/2016-12/uoo-oba121516.php

Bones, Bones! Bloghttp://blogs.bu.edu/cfwest/

National Geographic Interview 2016

Alutiiq Museum Newsletter https://alutiiqmuseum.org/images/stories/news/Newsletters/Spring2016Web.pdf	2014-present
Alutiiq Museum Community Archaeology Project http://www.alutiiqmuseum.org/education/programs/208-community-archaeology.html	2015
Frontiers, KTVA Alaska http://www.ktva.com/kodiak-community-digs-deeper-into-alutiiq-history-717/	2015
Aleutian Islands Working Group Blog https://aleutianislandsworkinggroup.wordpress.com/tag/chirikof-island/	2015
SciGals Blog https://scigals.wordpress.com/2013/10/03/catherine-west-approaches- climate-change-in-a-new-way/	2014
BU Today http://www.bu.edu/today/2014/what-ancient-dinners-tell-us-about-climate-change/	2014
Kodiak Daily Mirror Features	2013-2015
Burke Museum Archaeology Public Outreach Program Coordinator	2000-2003

Professional Memberships

Society for American Archaeology (SAA)
SAA Island and Coastal Interest Group
SAA Zooarchaeology Interest Group
SAA Women in Zooarchaeology Interest Group
Alaska Anthropological Association (aaa)
Alaska Consortium of Zooarchaeologists (ACZ)
International Council for Archaeozoology (ICAZ)

Advisees

Current Graduate Students:

Laura Masur Co-advisor, Ph.D., Boston University, Department of Archaeology

Sky Heller Committee member, Ph.D., University of Maine, Department of Anthropology

Christine Bassett Committee member, M.S. and Ph.D., University of Alabama, Department of Geosciences

Completed Graduate Students:

Demetruis Brellas Committee member, Boston University, Department of Archaeology, Ph.D. 2016
Alicia Sawyer Committee member, Boston University, Department of Archaeology, M.A. 2016

Melyssa Huston Committee member, University of New Mexico, Public Archaeology Program, M.A. 2016

Undergraduate Students:

Christine Mikeska Honors thesis advisor, Boston University, Department of Archaeology, BA 2016 Katherine Martinez Honors thesis advisor, Boston University, Department of Archaeology, BA 2017