

SHELBY L. ANDERSON

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Portland State University
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EDUCATION

PhD	Fall 2011	Anthropology, University of Washington, Seattle, WA
MA	Fall 2006	Anthropology, University of Washington, Seattle, WA
BA	Spring 2001	Anthropology, Western Washington University, Bellingham, WA

PROFESSIONAL APPOINTMENTS

<i>Associate Professor</i> , Portland State University	September 2017 – present
<i>Assistant Professor</i> , Portland State University	September 2011 – September 2017
<i>Director</i> , Cape Krusenstern Human-Environmental Dynamics Project, University of Washington (UW)	September 2007 – September 2012
<i>Research Assistant</i> , Kuril Islands Biocomplexity Project, UW	June 2007 – September 2007
<i>Archaeologist</i> , National Park Service (NPS) Western Arctic National Parklands	June 2006 – August 2006
<i>Research Assistant</i> , Prairies Project and San Juan Island Archaeological Project, UW	September 2005 – June 2006
<i>Archaeologist</i> , NPS Lake Clark/Katmai Cultural Studies Center	June 2005 – September 2005
<i>Archaeology Assistant</i> , Burke Museum, Archaeology Department, UW	September 2004 – June 2005
<i>Archaeologist</i> , NPS Lake Clark/Katmai Cultural Studies Center	June 2004 – September 2004
<i>Archaeologist/Field Supervisor</i> , Lummi Nation	June 2003 – June 2004
<i>Archaeological Technician</i> , Lummi Nation	October 2002 – June 2003

<i>Archaeological Technician</i> , Boas Inc.	October 2002
<i>Archaeological Technician</i> , Hanford Cultural Resources Laboratory, Pacific Northwest National Laboratory, Battelle Corporation	April 2002 – October 2002
<i>Archaeological Technician</i> , Lummi Nation	September 2001 – April 2002
<i>Archaeological Technician</i> , Historical Research Associates/Wessen and Associates, Inc.	October 2001
<i>Archaeological Technician</i> , NPS Dinosaur National Monument	June 2001 – September 2001
<i>Archaeology Intern</i> , NPS Dinosaur National Monument	June 2000 – September 2000

DISSERTATION

From Tundra to Forest: Ceramic Distribution and Social Interaction in Northwest Alaska, Fall 2011, J. Ben Fitzhugh (adviser)

REFEREED PUBLICATIONS

Articles (*Student)

Alix, C., O. K. Mason, N. H. Bigelow, S.L. Anderson, J. Rasic, and J. F. Hoffecker (2015) Archéologie du cap Espenberg ou la question du Birnirk et de l'origine du Thulé dans le nord-ouest de l'Alaska (Cape Espenberg Archaeology: the Issue of Birnirk and the Origin of Thule in Northwestern Alaska). *Les Nouvelles de l'archéologie*, Vol. 141:13-19.

Anderson, S.L., James Jordan, and Adam Freeburg (online, 2018) Human Settlement and Mid-Late Holocene Coastal Environmental Change at Cape Krusenstern, Northwest Alaska. *Quaternary International*.

Anderson, S.L., S. Tushingham, and T. Buonasera (2017) Maritime Adaptations and the Adoption of Arctic Ceramic Technology: Results of Residue Analysis. *American Antiquity*, Vol. 83(3):452-479.

Anderson, S.L. and J. Junge* (2017) Late Pre-Contact Settlement on the Northern Seward Peninsula Coast: Results from Recent Fieldwork. *Alaska Journal of Anthropology*, Vol.15 (1-2):99-125.

Anderson, S.L. (2016) Clay Source Provenance Survey in Remote Areas of Northwest Alaska: Late Holocene Ceramic Production in the Arctic. *Journal of Field Archaeology*, Vol. 41(3): 238-254.

Anderson, S.L., M. Boulanger, M. Glascock, B. Perkins (2016) Geochemical Investigation of Late Pre-Contact Ceramic Production Patterns in Northwest Alaska. *Journal of Archaeological Science Reports*, Vol. 6:200-210.

Anderson, S.L. and A. Freeburg (2014) High Latitude Coastal Settlement Patterns: Cape Krusenstern, Alaska. *Journal of Island and Coastal Archaeology*, Vol. 9(3):295-318.

Anderson, S.L. and A. Freeburg (2013) A High Resolution Chronology for the Cape Krusenstern Site Complex, Northwest Alaska. *Arctic Anthropology*, Vol. 50:49-71.

Anderson, S.L., M. Boulanger, and M. Glascock (2011) Late Prehistoric Social and Political Change in Northwest Alaska: Preliminary Results of a Ceramic Sourcing Study. *Journal of Archaeological Science*, Vol. 38:943-955.

Book Chapters, Book Reviews, Encyclopedia Entries, and Other Refereed Publications

Anderson, S.L. 2018 (online, 2019 print) High Latitude Ceramic Technology: A Northern Alaskan Case Study. In: *Circumpolar Ceramics: Hunter-Gatherer Pottery Technology and the 'Foraging Spectrum'*, Peter Jordan and Kevin Gibbs, eds. Cambridge University Press: Cambridge.

Anderson, S.L. A. Freeburg, and B. Fitzhugh (2014) Cape Krusenstern. In: *Hunter-gatherers and Middle Range Societies*, Encyclopedia of Global Archaeology. A. Prentiss, Section Editor. Springer Science + Business Media, New York.

Anderson, S.L. (2012) Book Review: The Archaeology of North Pacific Fisheries. *Journal of Island and Coastal Archaeology*. Vol. 7(3):425-427.

Anderson, S.L. (2010) *Testing a Model of Emergent Social Complexity with Ceramic Data in Northwest Alaska*. In: The VI Dikov Readings. Proceedings of the Scientific Conference in Honor of the 85th Anniversary of N.N. Dikov and the 50th Anniversary of NEISRI FEB RAS. Russian Academy of Sciences Far East Branch Northeast Scientific Center Northeast Interdisciplinary Scientific Research Institute, Magadan.

Anderson, S.L., A. Freeburg, and B. Fitzhugh (2009) Cultural Vulnerability and Resilience in the Arctic: Preliminary Report on Archaeological Fieldwork at Cape Krusenstern, Northwest Alaska. *Alaska Park Science* 8(2):42-45.

NON-REFEREED PUBLICATIONS

Selected Reports

Anderson, S.L. and T. Cody* (in prep, final February 2019) The Western Arctic Parklands Cultural Resource Coastal Vulnerability Study: Final Project Report. Prepared by Portland State University for the National Park Service, Anchorage.

Anderson S.L., O.Mason, S. Jolivette, R.Smith, J. Junge*, and K. Braymer* 2019 Port Clarence Archaeology Project: Final Report. Prepared by Portland State University for the Bureau of Land Management, Fairbanks.

Anderson, S.L., Strawhacker, C., Presnall, A., et al. (2018). Arctic Horizons: Final Report. Washington D.C.: Jefferson Institute. [Arctic Horizons Final Report](#)

Anderson, S.L. (2016) Northern Alaska National Historic Landmark Condition and Vulnerability Assessment: Final Report. Submitted as partial fulfillment of PSU - NPS Pacific Northwest Cooperative Ecosystem Studies Unit (PNW CESU) Task Agreement #P13AC01005, August 31, 2016. Manuscript on file at the National Park Service, Anchorage.

Anderson, S.L. and J. Junge* (2015) *Climate Change and Archaeology in Northwest Alaska: Nuluk Study Final Report*. Submitted as partial fulfillment of PSU - NPS Pacific Northwest Cooperative

Ecosystem Studies Unit (PNW CESU) Task Agreement #HP12AC10761, July 16, 2015. Manuscript on file, NPS WEAR, Kotzebue.

Anderson, S.L. (2014) *Northern Alaska National Historic Landmark Condition and Vulnerability Assessment: Research Design*. Submitted as partial fulfillment of PSU - NPS PNW CESU Task Agreement #P13AC01005, March 7, 2014. Manuscript on file, NPS Alaska Regional Office, Anchorage.

Catto, L.*, M. Johnson*, R. Nims*, M. Plumer*, and S.L. Anderson (2014) *Archaeological Re-evaluation of Sites 35CLT12, 35CLT21, 35CLT23, 35CLT82, and Survey of Select Areas of Ecola State Park, Oregon*. Report to Oregon State Parks, January 19, 2014. Manuscript on file, Oregon State Historic Preservation Office, Salem.

Anderson, S.L. (2013) *Port Clarence Project: Report on Summer 2013 Fieldwork*. Submitted as partial fulfillment of PSU – Bureau of Land Management (BLM) PNW CESU Cooperative Agreement #L13AC00083, December 26, 2013. Manuscript on file, BLM, Anchorage.

Anderson, S.L. (2013) *Report on Analysis of Kotzebue Area Ceramics: OHA Collection*. Final report to Alaska State Office of History and Archaeology (OHA), September 18, 2013. Manuscript on file, OHA, Anchorage.

Anderson, S.L. (2013) *Climate Change and Archaeology in Northwest Alaska: Nuluk Study, Inventory and Monitoring Plan*. Submitted as partial fulfillment of PSU - NPS PNW CESU Task Agreement #HP12AC10761, May 12, 2013. Manuscript on file, NPS WEAR, Kotzebue.

Freeburg, A. and S.L. Anderson (2012) *Human-Environmental Dynamics at Cape Krusenstern, Two Hundred Generations: On the Beach of Their Time, Final Report*. Submitted as partial fulfillment of UW – NPS PNW CESU Cooperative Agreement # J8W07070032, September 14, 2012. Manuscript on file, NPS WEAR, Anchorage.

Anderson, S.L. (2012) *From Tundra to Forest: Ceramic Distribution and Social Interaction in Northwest Alaska, final technical report*. Submitted as partial fulfillment of grant and permit requirements, March 2012. Manuscript on file, North Alaskan Native Association, Kotzebue, and NPS WEAR, Anchorage.

Anderson, S.L. (2011) *From Tundra to Forest: Ceramic Distribution and Social Interaction in Northwest Alaska, final technical report*. Submitted as partial fulfillment of grant requirements, September 2011. Manuscript on file, National Science Foundation (NSF), Washington D.C.

A. Freeburg and S.L. Anderson (2011) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time: Phase II and III Interim Archaeological Report*. Submitted as partial fulfillment of UW – NPS PNW CESU Task Agreement # J8W07070032, May 3, 2011. Manuscript on file, NPS WEAR, Anchorage.

Anderson, S.L. (2010) *Late Prehistoric Social Change in Northwest Alaska: Results of a Pilot Ceramic Sourcing Study*. Submitted as partial fulfillment of fellowship requirements, February 11, 2010. Manuscript on file, University of Alaska Museum, Fairbanks.

Freeburg, A. and S.L. Anderson (2010) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time: Report on Archaeological Fieldwork, Summer 2010*. Submitted to private allotment owners as partial fulfillment

of UW – NPS PNW CESU Task Agreement # J8W07070032, December 16, 2010. Manuscripts on file, NPS WEAR, Anchorage.

Anderson, S.L. and A. Freeburg (2010) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time: 2010 Phase II Interim Archaeological Report*. Submitted as partial fulfillment of UW – NPS PNW CESU Task Agreement # J8W07070032, May 2, 2010. Manuscript on file, NPS WEAR, Anchorage.

Anderson, S.L. (2009a) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time: Report on Archaeological Fieldwork, Summer 2009*. Submitted to private allotment owners as partial fulfillment of UW – NPS PNW CESU Task Agreement # J8W07070032, January 14, 2009. Manuscripts on file, NPS WEAR, Anchorage.

Anderson, S.L. (2009b) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time: Report on Archaeological Fieldwork, Summer 2006 and 2008*. Submitted to private allotment owners as partial fulfillment of UW – NPS PNW CESU Task Agreement # J8W07070032, January 14, 2009. Manuscript on file, NPS WEAR, Anchorage.

Anderson, S.L. and A. Freeburg (2009) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time: 2009 Phase II Interim Archaeological Report*. Submitted as partial fulfillment of UW – NPS PNW CESU Task Agreement # J8W07070032, May 8, 2009. Manuscript on file, NPS WEAR, Anchorage.

Freeburg, A.K., S.L. Anderson and B. Fitzhugh (2008) *Human and Environmental Dynamics at Cape Krusenstern National Monument, Two Hundred Generations: On the Beach of Their Time, Phase I Report*. Submitted as partial fulfillment of UW – NPS PNW CESU Task Agreement # J8W07070032, May 21, 2008. Manuscript on file, NPS WEAR, Anchorage.

Anderson, S.L. and W. Brown (2007) *Analysis of Ceramics From The Kukulik Site, St. Lawrence Island*. Submitted to University of Alaska Museum in fulfillment of loan requirements, June 27, 2007. Report on file, University of Alaska Museum, Fairbanks.

Stein, J.K., S.L. Anderson and J. Fisher (2006) *Report on the Ebey's Prairie Depositional History*. Submitted in partial fulfillment of PNW CESU Cooperative Agreement, March 2006. Manuscript on file, NPS North Cascades, Sedro-Woolley.

Anderson, S.L., S. Campbell, and C. Alvis (2004) *Northwest Indian College Kwina Estate Project Report on Archaeological Survey and Assessment Activities (CCSD#2003-016)*. Prepared for the Northwest Indian College, April 2, 2004. Report on file with the Washington State Department of Archaeology and Historic Preservation (DAHP), Olympia.

Alvis, C., S.L. Anderson, and S. Campbell (2004a) *Lummi Water District Pipeline Improvement Project Report on Archaeological Survey and Assessment Activities (#2003-012)*. Submitted March 2004. Report on file with the Washington State DAHP Olympia.

Alvis, C., S.L. Anderson, and S. Campbell (2004b) *Report on Archaeological Survey Activities at the Higgins Property, 219 Bayview Drive, Point Roberts, Washington (#2004-001)*. Submitted February 2004. Report on file with the Washington State DAHP, Olympia.

Smith, R., S.L. Anderson, S. Campbell, and A.S. Johnnie (2004) *The Results of the Recovery Project Conducted at the Meikle Property, 2168 Garth Road, Point Roberts, Washington*. Submitted May 6, 2004. Report on file with the Washington State DAHP, Olympia.

Anderson, S.L. and S. Campbell (2003a) *Results of the Cultural Resources Survey for the Loe et al CREP Project (#2003-014)*. Submitted September 2003. Report on file with the Washington State DAHP, Olympia.

Anderson, S.L. and S. Campbell (2003b) *Lummi Shore Road Project, Phase II: Report on Archaeological Survey and Assessment Activities*. Submitted February 2003. Report on file with the Lummi Cultural Contract Services Department, Bellingham.

Anderson, S.L. and G. Wessen (2003a) *A'le'le Drayton Hillside Phase II and III Cultural Resource Management Plan*. Prepared for the Trillium Corporation. Report on file with the Washington State DAHP, Olympia.

Anderson, S.L. and G. Wessen (2003b) *Report on Archaeological Monitoring Activities Conducted at the Miller Property, Eliza Island, Washington*. Submitted September 2003. Report on file with the Washington State DAHP, Olympia.

Anderson, S.L. and G. Wessen (2003c) *Report on Archaeological Monitoring Conducted at the Drayton Harbor Hillside Phase II Development, Blaine, Washington*. Submitted December 2003. Report on file with the Washington State DAHP, Olympia.

Smith, R., S.L. Anderson, and G. Wessen (2003) *Results of Archaeological Testing at 45WH547, Lots 1 and 2 of Drayton Hillside Phase II Development, Blaine, Washington*. Submitted July 2003. Report on file with the Washington State DAHP, Olympia.

Anderson, S.L. and R. Smith (2002) *Report on the Reinternment of a Partially Disturbed Burial and Recording Activities conducted at Tsi'Litch, 45WH216, Blaine, WA*. Report on file with the Washington State DAHP, Olympia.

Other Non-Refereed Publications

Anderson, S.L. (2014) Climate Change and Archaeology. *Witness the Arctic*. 18(1).
<http://www.arcus.org/witness-the-arctic/2014/1/article/20437>

Anderson, S.L. (2001) *Sediment Analysis of Two Archaeological Sites in the Deception Pass Area, Fidalgo Island, Washington*. Senior Honor's Thesis, Western Washington University, Bellingham.

PRESENTATIONS

Invited Speaker

Anderson, S.L. *Sauvie Island: Landscapes Through Time*. Paper presented to the Sauvie Island community meeting, February 15, 2018, Portland, Oregon.

Anderson, S.L., Virginia Butler, Michael Etnier, Andrey N. Petroc, Aaron Presnall, Stacy Rasmus, Kevin Smith, Colleen Strawhacker, Sveta Yamin-Pasternak. *Arctic Horizons: Forging Priorities for Arctic Social Sciences and NSF Funding*. Webinar presented to the Interagency Arctic Research Policy Committee, July 17, 2017.

Anderson, S.L. *Arctic Ceramic Traditions and Late Holocene Social Interaction: Revisiting Giddings' Arctic Woodland Culture*. Paper presented in an invited session (Symposium Envisioning and Re-

Envisioning Arctic Archaeology: the Enduring Legacies of J. Louis Giddings (1909-1964)) at the 81st Annual Society for American Archaeology Meetings, April 5-10, 2016, Orlando.

Mason, O.K. J.W. Jordan and S.L. Anderson *The Giddings' Legacy of Beach Ridge Archaeology in Alaska: A Proxy Record of Late Holocene Climate*. Paper presented in an invited session (Symposium Envisioning and Re-Envisioning Arctic Archaeology: the Enduring Legacies of J. Louis Giddings (1909-1964)) at the 81st Annual Society for American Archaeology Meetings, April 5-10, 2016, Orlando.

Devenport, Dael and S.L. Anderson *GIS Predictive Modeling to Identify Archeological Vulnerability Along the Coasts of Western Arctic National Parklands in Alaska*. Paper presented in an invited session (Global Change Threats to the Archaeological and Paleoecological Record) at the 81st Annual Society for American Archaeology Meetings, April 5-10, 2016, Orlando.

Anderson, S.L., T.J. Brown, J. Junge, and J. Duels *Refining the Chronology for the Development and Spread of Arctic Maritime Traditions through Bayesian Radiocarbon Analysis*. Paper presented in invited session (Current Research in Alaskan Coastal Anthropology) at the 43th Annual Alaska Anthropological Association Meetings, March 2-5, 2016, Sitka.

Brown, T.J., J. Duels, S.L. Anderson, and J. Junge *Bayesian Radiocarbon Analysis Methods for Refining Demography and Chronologies*. Paper presented in invited session (Current Research in Alaskan Coastal Anthropology) at the 43th Annual Alaska Anthropological Association Meetings, March 2-5, 2016, Sitka.

Braymer, K. and S.L. Anderson *Studying Gendered Use of Space through Intrasite Ceramic Spatial Analysis at Cape Espenberg*. Paper presented in invited session (Current Research in Alaskan Coastal Anthropology) at the 43th Annual Alaska Anthropological Association Meetings, March 2-5, 2016, Sitka.

Junge, J. and S. L. Anderson *Using GIS to Evaluate Models of Late Holocene Settlement Patterns in Northwest Alaska*. Paper presented in invited session (Current Research in Alaskan Coastal Anthropology) at the 43th Annual Alaska Anthropological Association Meetings, March 2-5, 2016, Sitka.

Anderson, S.L. *Archaeology and Climate Change in Northwest Alaska*. Paper presented in an invited forum (Resilience, Archaeology and Global Warming: What We Can Learn from Past Human Responses to Climate Change That Can Help Us Today) at the 80th Annual Society for American Archaeology Meetings, April 15-19, 2015, San Francisco.

Anderson, S.L. S. Tushingham, C. Yarnes, and T. Buonasera *Maritime Adaptations and the Adoption of Arctic Ceramic Technology: Results of Residue Analysis*. Paper presented in an invited session (Current Problems in Arctic Research) at the 80th Annual Society for American Archaeology Meetings, April 15-19, 2015, San Francisco.

Anderson, S.L. *Archaeology and Climate Change in Northwest Alaska*. Invited paper presented as part of the NPS Archeology Webinar Program, November 20, 2014.

Anderson, S.L. *Archaeology and Climate Change in Northwest Alaska*. Invited paper presented as part of University of Oregon Department of Anthropology colloquium series, January 17, 2014, Eugene, Oregon.

Anderson, S.L. *Ceramics and Social Networks*. Invited paper presented as part of Simon Fraser University Department of Archaeology colloquium series, Nov 21, 2013, Burnaby, British Columbia

Anderson, S.L. *Pre-18th Century Clay and Ceramic Technology in the Pacific Northwest*. Invited paper presented as part of Clark County Historical Society colloquium series, October 3, 2013, Vancouver, Washington.

Anderson, S.L. *Challenges in the Study of Hunter-Gatherer Ceramics: A Northern Alaskan Case Study*. Paper presented in an invited session (Northern Hunter-Gatherers, Pottery Technology and the 'Foraging Spectrum') at the 78th Annual Society for American Archaeology Meetings, April 3-7, 2013, Honolulu.

Anderson, S.L. *Archaeology and Climate Change in Northwest Alaska*. Invited paper presented for Oregon Archaeological Society Speaker Series, November 6, 2012, Portland, Oregon.

Anderson, S.L. *Ceramic Sourcing and Social Networks in Northwest Alaska*. Invited paper presented for PSU Systems Science lecture series, May 11, 2012, Portland, Oregon.

Anderson, S.L. *From 48 to 66 Degrees North: 200 Generations of Human-Environmental Interactions*. Keynote speaker at Western Washington University Anthropology Department Career Week, May 20, 2011, Bellingham, Washington.

Anderson, S.L. *Late Holocene Social Change in Northwest Alaska: a Study of Pottery Production and Distribution in the Arctic*. Invited paper presented at PSU First Thursday Archaeology Lecture Series, November 4, 2010, Portland, Oregon.

Other Presentations

Cody, Tia, and Shelby Anderson LiDAR Predictive Modeling of Kalapuya Mound Sites in the Calapooia Watershed, Oregon. Poster presented at the 71st Annual Northwest Anthropological Conference, March 28-31, 2018, Boise.

Cody, Tia, and Shelby Anderson In Search of Mounds: Development of a LiDAR and Remote Sensing Predictive Model within the Calapooia Watershed, Oregon. Poster presented at the 70th Annual Northwest Anthropological Conference, March 12-15, 2017, Spokane.

Anderson, Shelby L., Thomas Brown, Justin Junge, and Jonathan Duels. *Exploring the Development and Spread of Arctic Maritime Traditions through Bayesian Radiocarbon Analysis*. Poster presented at the 82nd Annual Society for American Archaeology Meetings, March 29-April 2, 2017, Vancouver, Canada.

Jolivet, Stephanie, Ross Smith, and Shelby Anderson. *Subsistence and Seasonality during the Thule Phase at Point Spencer, Alaska (ca. 1000 BP to Contact Era)*. Poster presented at the 82nd Annual Society for American Archaeology Meetings, March 29-April 2, 2017, Vancouver, Canada.

Junge, Justin A. and S.L. Anderson *Using GIS to Evaluate Models of Late Holocene Settlement Patterns in Northwest Alaska*. Poster presented at the 81st Annual Society for American Archaeology Meetings, April 5-10, 2016, Orlando.

Callanan, M. and S.L. Anderson. *Disappearing Frozen Heritage: Studies from Scandinavia and North America*. Paper presented at the Arctic Observing Open Science Meeting, November 17-19, 2015, Seattle.

Anderson, S.L. *Report on Recent Kotzebue Sound Fieldwork*. Poster presented at the 42nd Annual Alaska Anthropological Association Meetings, March 4-7, 2015, Anchorage.

Anderson, S.L. *Assessing Climate Change Impacts to Arctic Archaeological Sites*. Paper presented at the 42nd Annual Alaska Anthropological Association Meetings, March 4-7, 2015, Anchorage.

J.D. Reuther, J.B. Coltrain, O.K. Mason, S.L. Anderson, A. Freeburg, S. Shirar, and P.M. Bowers *Exploring Differences in Radiocarbon Ages of Seals and Caribou: A Case Study from Kotzebue Sound*. Paper presented at the 42nd Annual Alaska Anthropological Association Meetings, March 4-7, 2015, Anchorage.

Anderson, S.L. *Port Clarence Archaeology Project: A Study of Bering Strait Socio-Economic Organization*. Paper presented at the 41st Annual Alaska Anthropological Association Meetings, March 5-8, 2014, Fairbanks.

Anderson, S.L. *Climate Change and Archaeology in Northwest Alaska*. Paper presented at the 66th Annual Northwest Anthropological Conference, March 27-30, 2013, Portland.

Anderson, S.L. and D. Woolsey *Clay and Ceramic Technologies of the Pacific Northwest: A Pilot Study*. Poster presented at the 66th Annual Northwest Anthropological Conference, March 27-30, 2013, Portland.

Anderson, S.L. *Challenges in the Study of Hunter-Gatherer Ceramics: A Northern Alaskan Case Study*. Paper presented at the 40th Annual Alaska Anthropological Association Meetings, March 13-16, 2013, Anchorage.

Anderson, S.L. and A. Freeburg *Re-evaluating Past Coastal Settlement Patterns at Cape Krusenstern, Northwest Alaska, ca. 4000 BP to Present*. Poster presented at the International Polar Year Meetings, April 22-27, 2012, Montreal.

A. Freeburg and S.L. Anderson *From Research to Common Knowledge: Training Graduate Students in Public Information Distribution*. Poster presented at the International Polar Year Meetings, April 22-27, 2012, Montreal.

Anderson, S.L. *Social Networks and Ceramic Circulation in Northwest Alaska, ca.1000-200 BP*. Paper presented at the 77th Annual Society for American Archaeology Annual Meeting, April 18-22, 2012, Memphis.

Anderson, S.L. *Ceramic Sourcing and Social Networks in Northwest Alaska*. Paper presented at the 39th Annual Alaska Anthropological Association Meetings, February 29-March 3, 2012, Seattle.

Anderson, S.L., A. Freeburg, and J. Jordan. *5000 Years of Human Environmental Dynamics at Cape Krusenstern, Alaska*. Paper presented at the 76th Annual Society for American Archaeology Annual Meeting, March 30-April 3, 2011, Sacramento.

A. Freeburg and S.L. Anderson. *Cape Krusenstern Revisited*. Paper presented at the 76th Annual Society for American Archaeology Annual Meeting, March 30-April 3, 2011, Sacramento.

A. Freeburg and S.L. Anderson. *Human-Environmental Dynamics at Cape Krusenstern: Results of the 2010 Field Season*. Paper presented at the 38th Annual Alaska Anthropological Association Meetings, March 24-27, 2011, Fairbanks.

Freeburg, A. and S.L. Anderson *Incorporating Legacy Data in Cultural Resource Research and Management: an example from Cape Krusenstern National Monument*. Poster presented at the 2010 NPS Resource Information Management Conference. April 19-22, 2010, Fort Collins.

Anderson, S.L., M. Boulanger, and M. Glascock *Late Prehistoric Social and Political Change in Northwest Alaska: Preliminary Results of a Ceramic Sourcing Study*. Paper presented at the 37th Annual Alaska Anthropological Association Meetings. March 24-27, 2010, Anchorage, Alaska.

Anderson, S.L. and A. Freeburg *Human-Environmental Dynamics at Cape Krusenstern: Report on the 2009 Field Season*. Paper presented at the 17th Annual Arctic Conference. November 12-14, 2009, Boulder.

Freeburg, A., S.L. Anderson and C. Young *Building High Resolution Paleoenvironmental and Archaeological Data Sets: an Application of GPS and GIS Technology at Cape Krusenstern*. Paper presented at the Washington State Urban and Regional Information Systems Association Meeting. May 4-6, 2009, Bellevue.

Anderson, S.L. *Late Prehistoric Interaction Networks in Northwest Alaska: a Study of Arctic Hunter-Gatherer Ceramics*. Paper presented at the 36th Annual Alaska Anthropological Association Meetings. March 11-14, 2009, Juneau.

Anderson, S.L. and A. Freeburg *Shifting Shores: Reconsidering Settlement Patterns at Cape Krusenstern*. Paper presented at the 36th Annual Alaska Anthropological Association Meetings. March 11-14, 2009, Juneau.

Freeburg, A., S.L. Anderson and C. Young *Building High Resolution Paleoenvironmental and Archaeological Data Sets: an Application of GPS and GIS Technology at Cape Krusenstern*. Paper presented at the 36th Annual Alaska Anthropological Association Meetings. March 11-14, 2009, Juneau.

Anderson, S.L., A. Freeburg, and B. Fitzhugh *Cultural Vulnerability and Resilience in the Arctic: Preliminary Report on Archaeological Fieldwork at Cape Krusenstern National Monument, Northwest Alaska*. Paper presented at the Park Science/Beringia Days Conference. October 14-16, 2008, Fairbanks.

Anderson, S.L. and A. Freeburg *Human and Environmental Dynamics at Cape Krusenstern*. Poster presented at the 73rd Annual Society for American Archaeology Meeting. March 26-30, 2008, Vancouver.

Anderson, S.L. *Sediment Analysis at Archaeological Site 45-SK-46, Fidalgo Island, WA*. Poster presented at the 54th Annual Northwest Anthropological Meeting. March 29-31, 2001, Moscow.

HONORS, GRANTS, AND FELLOWSHIPS

Grants

PI, Past Beringian Cultural Exchange and Interaction: A Study of Ceramic Technology. NPS Fall 2018-present

<i>PI</i> , Diet, Food Processing, and the Development of Arctic Aquatic Adaptations. NSF	Fall 2018-present
<i>PI</i> , Social Networks and Information Exchange in Pre-Contact Northwest Alaska: A Study of Archaeological Ceramics, PSU Faculty Enhancement Grant	Summer 2017
<i>PI</i> , Climate Change and Archaeology in Northwest Alaska: Phase II NPS	September 2017-present
<i>PI</i> , Walakpa Archaeology Rapid Response Project. NSF	June 2016-present
<i>PI</i> , Collaborative Research: Arctic Horizons: Social Science and the High North. NSF	December 2015 to March 2018
<i>PI</i> , Collaborative Research: People, Landscape and Narratives in time - Birnirk and Later Cultural Developments in Northern Seward Peninsula NSF	December 2015 to present
<i>PI</i> , Analysis, Summary, and Public Archaeology Outreach of Artifacts from an Archaeological Field School at Fort Vancouver National Historic Site. NPS	September 2015 to Present
<i>PI</i> , Port Clarence Archaeology Project BLM	June 2013 - Present
<i>PI</i> , Bering Strait Socio-Economic Organization, ca. 2000 – 200 BP: A View from Port Clarence, Alaska NSF	June 2013 – Present
<i>PI</i> , Northern Alaska National Historic Landmark Condition and Vulnerability Assessment. NPS	Sept 2013 – September 2016
<i>PI</i> , Climate Change and Archaeology: Nuluk Study, Bering Land Bridge National Preserve. NPS	April 2012 – September 2015
<i>PI</i> , Clay Technologies and Past Foodways in the Pacific Northwest PSU Faculty Enhancement Grant	March 2012 – Present
<i>PI</i> , Cape Krusenstern Human-Environmental Dynamics Project: Two Hundred Generations On the Beach of Their Time. Sub-contract	March 2012 – June 2012
<i>Co-author</i> , Archaeology Lab Equipment, UW Student Tech Fee Grant	April 2010

<i>Co-PI/Author</i> , Doctoral Dissertation Improvement Grant: Late Prehistoric Socio-economic Organization in Northwest Alaska: a Study of Pottery Production and Distribution in the Arctic NSF	September 2009
<i>Ceramic Specialist</i> , IPY: Human Response to Climate Change at Cape Espenberg AD800 to AD1400 Project NSF, Consultant/collaborator	January 2009 – present
<i>PI</i> , Late Prehistoric Socio-economic Organization in Northwest Alaska: a Study of Pottery Production and Distribution in the Arctic UW Department of Anthropology Pre-Dissertation Research Funding	May 2008
<i>Director</i> , Cape Krusenstern Human-Environmental Dynamics Project: Two Hundred Generations On the Beach of Their Time. NPS	September 2007 – September 2012
<i>Co-author</i> , Archaeology Field Survey Equipment UW Student Tech Fee Grant	April 2006
<i>Co-author</i> , Learning for Leadership Council Grant UW	January 2006

Honors and Awards

2016 Recipient of the Portland State University College of Liberal Arts and Sciences 19th Annual John Eliot Allen Outstanding Teach Award, Anthropology

2015 Recipient (with Adam Freeburg) *John L. Cotter Award for Excellence In National Park Service Archeology*

May 2009 *Runner –up*, Student paper competition, Washington State Urban and Regional Information Systems conference

Golden Key Honors Society Member (Spring 2001-present)

Fellowships and Scholarships

<i>Niles Dissertation Writing Fellowship</i> , UW	Fall 2010 – Spring 2011
<i>Murie Center Science and Learning Fellowship</i> , NPS	Spring 2010 – Spring 2011
<i>James W. VanStone Advanced Graduate Student Scholarship</i> , Alaska Anthropological Association	Spring 2010
<i>Collections Research Fellowship</i> , University of Alaska Museum of the North-BLM	Winter 2008 – Winter 2010

Foreign Language and Area Studies Fellowship, UW Jackson School of International Studies, Russian, East European and Central Asian Studies Program

Fall 2007 – Spring 2008

James Fellowship, UW

Fall 2005 – Spring 2006

Olson Fellowship, UW

Fall 2004 – Spring 2005

TEACHING, MENTORING, AND CURRICULAR ACHIEVEMENTS

Developed and taught four new classes:

- Archaeology in Pop Culture (Anth 357/357U)
- Archaeological Lab Practicum (Anth 410)
- Past Human-Environment Interactions (Anth 458/558)
- Advanced Archaeological Lab Methods (Anth 461/561)

Taught four additional classes already part of PSU curriculum:

- Introduction to Archaeology (Anth 102)
- Archaeological Method and Theory (Anth 350U)
- Archaeological Field Methods (Anth 453/553)
- Core Seminar in Archaeology (Anth 550)

Taught overload courses:

- *Archaeological Lab Research* (Anth 401/404)
- *Graduate Thesis Preparation, Readings and Conferences*
- Honors Student (Hon 401)
- Cooperative Education Internship (Anth 504)

Mentoring

Primary Adviser (9 Students):

Current

Caelie Butler, MS Fall 2018-present: *Food Processing and Ceramic Technology in the Western Arctic* (draft title)

Patrick Reed, MS Fall 2014-present: *Archaeological Feature Identification through Geochemical Analysis of Arctic Sediments from Cape Krusenstern National Monument, Northwest Alaska* (draft title)

Katie Tipton, MS Fall 2015-present: *Archaeologists, the Public, and Collectors: Establishing a Regional Database of Archaeological Sites on Private Land and Collections with a Process for Professional-Public Archaeological Research in the Portland Basin.*

Completed

Katelyn Braymer, MS Fall 2014-Fall 2017: *A Spatial Analysis of Ceramics in Northwestern Alaska: Studying Pre-Contact Gendered Use of Space.*

Tia Cody, MS Fall 2015-present (Winter 2019): *LiDAR Predictive Modeling of Kalapuya Mound Sites in the Calapooia Watershed, Oregon*

Jonathan Duelks, undergraduate Honors student, Spring 2014-Spring 2015; *Determining Initial Firing Temperatures of Thule Era (1000-250 ya) Pottery from Two Northwest Alaskan Archaeological Sites*

Justin Junge, MS Fall 2012-Spring 2017: *Using GIS to Evaluate Models of Late Holocene Settlement Patterns in Northwest Alaska*

Kelley Martinez, MS Fall 2015-Winter 2019: *Examining Human Behavior and Tool Use through Experimental Replications and a Technological Analysis of Ground Stone in the Lower Columbia*

Martin Plumer, MS Fall 2013-Spring 2018: *Can Community Engagement in the Local Past and Systematic Archaeology be Mutually Beneficial? A Case Study in Community Archaeology from Sauvie Island, Oregon*

Committee Member (14 Students):

Current

Lisa Catto, Spring 2015-present: *Developing an Archaeologically Literate Citizenry through Public Archaeology: a Proposal for a Guidebook to Creating and Assessing Websites*

Michelle North, MS Fall 2015-present: *Weirs as a Window into Aquaculture and Human Ecosystem Engineering: Feature Specific Testing of a Backwater Wetland Archaeological Site in the Lower Columbia*

Patrick Rennaker, Spring 2015 to present: *A Study of Cod Remains from the Tse-whit-zen site (45CA523): A Conservation Biology Approach*

Completed

Thomas Brown, winter 2014-Winter 2016: *Demography and the Evolution of Logistic Organization on the Northern Northwest Coast between 11,000 and 5,000 cal BP*

Josh Dinwiddie, Winter 2012-Spring 2014: *The Ground Slate Transition on the Northwest Coast: Establishing a Chronological Framework*

Kristen Fuld, MA Fall 2011: *The Technological Role of Bone and Antler on the Lower Columbia: A Comparison of Two Contact Period Sites*

Bonnie Harvey, Spring 2015-Winter 2016: *"Stewarding Our Mountains: A Program Evaluation of Place-Based Service Learning on the Appalachian Trail"*

Rachel Lahoff, Spring 2013-Fall 2013: *The Search for Interpretation Sovereignty: Accommodating Nuwuvi (Southern Paiute) Voice in Protected Area Interpretation*

Katie Mohlenhoff, Spring 2013: *Tracking Fish And Human Response To Abrupt Environmental Change At Tse-Whit-Zen: A Large Native American Village On The Olympic Peninsula, Washington State*

Reno Nims, Spring 2015-Winter 2016: *Explaining Sablefish (Anoplopoma fimbria) Representation in Northwest Coast Archaeological Sites*

Shoshanna Rosenburg, Winter 2015: *Study of Prestige and Resource Control Using Fish Remains from Cathlapotle, a Plankhouse Village on the Lower Columbia River*

Emily Shepard, Fall 2013: *Building and Maintaining Plankhouses at Two Village Sites on the Southern Northwest Coast of North America*

Stephanie Simmons, Winter 2014: *Exploring Colonization and Ethnogenesis through an Analysis of the Flaked Glass Tools of the Lower Columbia Chinook*

Laura Syvertson, Winter 2015-Spring 2017: *Sampling Fish: A Case Study from the Tse-whit-zen Site, Northwest Washington*

Katie Wynia, Spring 2013: *The Spatial Distribution of Tobacco Pipe Fragments at the Hudson's Bay Company Fort Vancouver Village Site: Smoking as a Shared and Social Practice*

COMMUNITY OUTREACH ACHIEVEMENTS

Research-Related

Current and recent research projects:

- On-going community engagement (meetings and presentations) in several Alaskan (Shishmaref, Wales, Nome, Shaktoolik, Kotzebue, Barrow) and Oregon (Sauvie Island) communities
- Developed project outreach materials (posters, flyers, reports) for local communities
- Participated in various radio and web interview opportunities. Recent examples include:
 - Archaeology Magazine, 2016, vol 20, No. 1 *Artifacts for Sale* – interviewed for article on the problem of looting/subsistence digging in the Arctic
 - PSU News – [PSU Archaeology Students and Faculty Study Archaeological Sites on the Oregon Coast](#)
 - National Public Radio Interview– [Archaeologists Race Against Time in Warming Arctic Coasts](#)
 - Polar Field Services Blog – [Reconstructing Ancient Populations in Alaska](#)
 - KNOM Radio Story - [Archaeology and Climate Change in Northwest Alaska](#)
 - Bering Land Bridge NPS Audio Story - [The Presence of the Past](#)
- Outreach to the Arctic research community through the *ARCUS Witness the Arctic Newsletter*: <https://www.arcus.org/witness-the-arctic/2014/1/article/20437>
- Maintain a website and blog (<http://shelbylanderson.com/>) for the purpose of sharing research results and project updates with Alaskan communities and the general public
- Open access publication of papers and reports via PDX Scholar when copyright allows: http://works.bepress.com/shelby_anderson/

Cape Krusenstern project (September 2007-September 2012):

- Presented to northwest Alaskan communities multiple times (Kotzebue, Kobuk Village, Nome, Noatak, Shishmaref, and Wales)
- Developed and carried out mini-presentations and classroom activities for middle and high school students (Kotzebue, Noatak)
- Created public poster and fact sheet to share research results with public audience
- Worked with Burke Museum, as well as Kotzebue teachers and educators, in developing a portable curriculum kit for use in northwest Alaskan middle and high school science and social studies classes

Pre-Dissertation and Dissertation related research (Winter 2008-Spring 2012)

- Presented to Kotzebue community
- Created fact sheet to share research results with public audience
- Distributed public-oriented final project report

General Community Outreach

- *Archaeology Roadshow Planning Committee Member*, Fall 2013 to present
- *Archaeology Roadshow Volunteer*, June 2012, 2013, 2014, 2015
- *Mentor*, Portland Area High School Student Senior Capstone, Winter 2012 (4 hours), Winter 2014 (3 hours)
- *Invited Speaker*, five Portland-area community talks since Fall 2011

DEPARTMENT AND UNIVERSITY SERVICE

Curricular Development

- Working with archaeology faculty to develop undergraduate certificate program in archaeology
- Updated archaeology course descriptions, 2012 to 2014
- Developed PSU archaeology track guidelines in cooperation with other archaeology faculty, Spring 2012

Committee Member

- *University Committee – Undergraduate Research*, Fall 2018-present
- *Anthropology Department Space Committee*, Winter-Spring 2017
- *Anthropology Department Anthropology Adjunct Review*, Winter 2017
- *Anthropology Department Carstens Promotion and Tenure committee*, Winter 2017
- *Anthropology Department Sterling Promotion and Tenure committee*, Spring 2016, 2017
- *Anthropology Department Vasey Promotion and Tenure committee*, Fall 2013
- *Anthropology Department Applied MA Program Development Sub-committee*, Fall 2013 to present
- *Anthropology Lab Renovation Sub-committee*, 2013-2014 academic year
- *Anthropology Department Spoon Promotion and Tenure Committee*, Spring 2012
- *Anthropology Department Graduate Review Committee*, 2011-present
- *Anthropology Department Graduate Admissions Committee*, 2011-present
- *Anthropology Department Teaching Assessment Committee*, 2011-present

Other

- Revised Departmental By-Laws, Spring 2017
- Graduate Admissions Chair, Winter-Spring 2017
- *Collaborator*, Anthropology Department display, Spring 2016
- *McNair Scholar Adviser*, 2015-present
- *Honors Project Adviser*, 2014-2015
- *Editor*, departmental newsletter, Spring 2014
- *Collaborator*, reorganization of departmental archaeology teaching collections, 2013-present
- *Co-Organizer*, department advising event “Getting into Graduate School”, Fall 2015
- *Occasional Organizer*, Archaeology First Thursday Events
- *Panel Member*, student organized event “How to Get a Job in Anthropology”, Winter 2012.
- *Co-Author*, written guide to getting an anthropology job, Winter 2012
- *Substitute Faculty Senator*, November 2011, Spring 2012
- *Organizer*, Claudio Aporta talk and lunch, “*Inuit Horizons: Reflections on the Concepts of Region and Network*”, April 2012
- *Undergraduate Adviser*, 2011-present

- *Manager*, archaeology teaching equipment

PROFESSIONAL SERVICE

- *PSU PI/Steering Committee Member Arctic Horizons Project*: Working with a national team of social scientists to re-envision the next 10-15 of arctic social science research. Co-organizing a PSU workshop and participating in synthesis workshop and final report production.
- *Session Co-Organizer/Co-Chair*, Alaska Anthropological Association Annual Conference, Current Research in Alaskan Coastal Archaeology, March 2015
- *National Science Foundation Reviewer/Panel Participant*, two panels in 2017, and a third panel in 2018. Reviewed multiple proposals and served on panels.
- *Board Member*, Alaska Anthropological Society, Spring 2015 to Spring 2019: Working on improving student access to scholarships, liaison for association publication issues, assisting with regional conference organization, aiding in general administration of the association.
- *Reviewer*: Reviewed 20 articles for publication in peer-reviewed journals, books, or reports, and reviewed three NSF research proposals and one Missouri Research Reactor proposal: American Anthropology (2017), Society for American Archaeology Press Book (2016), NSF Archaeology Proposals (2015, 2012), NSF Arctic Social Sciences Proposals (2017), Journal of Field Archaeology (2015, 2017), Journal of Archaeological Science (2014, 2011), Quaternary Research (2017), Arctic Anthropology (2018, 2014), Union of Concerned Sciences National Landmarks at Risk Report (2014), Journal of Island and Coastal Archaeology (2015, 2013), Alaska Journal of Anthropology (2013, 2 articles in 2012), Point Hope Edited Volume (2012), Human Ecology (2012, 2016), North American Archaeologist (2010), Missouri Research Reactor Research Proposal (2017).
- *Organizer and Judge*, Northwest Anthropological Conference student paper competition, April 2013
- *Session Organizer and Chair*, Society for American Archaeology Symposium, Inlands to Islands: the Role of Social Networks and the Development of Maritime Adaptations, April 2012
- *Judge*, Northwest Anthropological Conference student paper competition, March 2012
- *Committee Member*, Alaska Anthropology Association Seattle Meeting Organizing Committee, Fall 2010-Winter 2012

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Alaska Anthropological Association (Akaa)
 Association for Washington Archaeologists (AWA)
 Association of Oregon Archaeologists (AOA)
 Canadian Archaeological Association (CAA)
 Society for American Archaeologists (SAA)