

## **Kathleen L. Hawes**

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### **Education**

- B.A., Archaeology/Anthropology, The Evergreen State College, 2009
- A.A., Archaeology/Anthropology, South Puget Sound Community College, 2007

### **Certifications**

South Puget Sound Community College, Olympia, Washington

- Cultural Resources Management Certification in Archaeology 2009
- Cultural Resources Management Certification in Museum Studies 2009

### **Research Interests**

#### **Areal**

- Archaeology of the Pacific Northwest Coast of North America, Waterlogged/Wet sites

#### **Sub-Disciplines**

- Perishable Material Culture Studies; Paleoethnobotany; Environmental Studies; Archaeological Laboratory Conservation; Native American Studies; Wood Anatomy

#### **Research Focus**

- Pacific Northwest Coast of North America: Microscopic Identification by Cellular Analysis of Archaeological Wood, Plant Fiber And Charcoal; Identification of Artifacts Made from Wood and Plant Fiber; Evidence of Climate Change through Identification and Analysis of Archaeological Wood Charcoal Macro-Remains; Cultural Preferences of Wood for Fuel by Native Americans through Identification and Analysis of Archaeological Wood Charcoal Macro-Remains

### **Employment**

#### **Current:**

- Assistant Director, Pacific Northwest Archaeological Services (PNWAS-Services). January 2011 to present. Tumwater, Washington.  
(<http://www.pnwas.com> )
- Vice-President, Pacific Northwest Archaeological Society (PNWAS-Society). June 2011 to present. Tumwater, Washington.  
(<http://www.pnwas.org> )

## **Previous:**

- Teaching Team member, *TMSD364 Exhibition and Education in Tribal Museums*, Spring Quarter 2014. Northwest Indian College (NWIC), Bellingham, Washington.
- Anthropology Laboratory Director, South Puget Sound Community College (SPSCC). October 2006 to January 2012. Olympia, Washington.
- Diversity Coordinator, Campus Activities Board, SPSCC. June 2006 to December 2006. Olympia, Washington.
- Early Childhood Educator, Olympia Early Learning Center (formerly Olympia Child Care Center). November 1998 to January 2007. Olympia, Washington.

## **Research, Laboratory and Field Experience**

Applied and accepted as Field school student June-August 2006  
Qwu?gwes Field School, Olympia, Washington, Dr. Dale Croes, Director.  
Archaeological and cultural studies; laboratory procedures  
Analysis, research and presentation of woodworking debitage

Applied and accepted as Field crew member September 2006  
Sunken Village National Heritage Landmark Site 35MU4 Test Excavation, Sauvie Island,  
Oregon. Dr. Dale Croes, Director.

Offered and accepted position as Laboratory Technician 2006  
Anthropology Department, South Puget Sound Community College, Olympia,  
Washington: Employed to analyze plant material artifacts from Sunken Village 35MU4;  
document results; present findings at regional conference

Offered and accepted position as Field School Assistant June-August 2007-2009  
Qwu?gwes Field School, Olympia, Washington, Dr. Dale Croes, Director. Assisted in  
training and supervising Field School students in field and laboratory procedures

Applied and accepted as Field crew member September 2007  
Sunken Village National Heritage Landmark Site 35MU4 Site Monitoring, Sauvie Island,  
Oregon, Dr. Dale Croes, Director.

Offered and accepted position as Laboratory Co-Manager, October 2007-May 2009  
Anthropology Department, South Puget Sound Community College, Olympia,  
Washington

Teaching Assistant, Laboratory Procedures, 2007-December 2013. South Puget Sound  
Community College Anthropology Department, Olympia, Washington.

Offered and accepted position as Laboratory Director, May 2009-December 2013.  
Anthropology Department, South Puget Sound Community College, Olympia,  
Washington.

Volunteer at the Labouchere Bay Archaeological Survey, Prince of Wales Island, Alaska.  
June 16<sup>th</sup>-July 18<sup>th</sup>, 2013.

Field Supervisor for an Internship Learning Contract (ILC) through the Evergreen State  
College, for student Sarah Zeiger. Title of ILC: "From Excavation to Museum: The  
Process of Archaeological Laboratory Techniques". Faculty sponsor: Dr. Ulrike  
Krotscheck, Ph. D. Fall Quarter 2014.

Guest Lecturer at the Evergreen State College for the Bush Homestead Field School  
program. Lecture and demonstration of "Flotation procedures and identification of  
microscopic flora". August 2015.

Guest Lecturer at the Evergreen State College for the program "Time Past: Archaeology  
and Geology". Faculty: Dr. Ulrike Krotscheck and Dr. Kenneth Tabbutt.  
Lecture topic: "Lecture and demonstration of cellular analysis and identification of  
archaeological wood and plant materials". 4 February 2016.

## **Professional Conference Attendance and Presentations**

59th Annual Northwest Anthropological Conference, Seattle, Washington, March 2006

***Woodworking Debitage: Woodchips, Adzes and Experimental Archaeology.*** Co-  
authored with Tyler Graham. Presented to the 60th Annual Northwest Anthropological  
Conference, Pullman, Washington, March 15<sup>th</sup>, 2007

***Plant Material Artifact Identification: Cellular Analysis.*** Presented to the 60th Annual  
Northwest Anthropological Conference, Pullman, Washington, March 15<sup>th</sup>, 2007

***Artifact Plant Material and Charcoal Identification: Cellular Analysis.*** Presented by  
invitation to the Oregon Archaeological Society, Oregon Museum of Science and  
Industry, Portland, Oregon, November 1<sup>st</sup>, 2007

***Archaeological Plant Material and Charcoal Identification: Cellular Analysis.***  
Presented by invitation to the Archaeology Club, Simon Fraser University, Burnaby, BC  
Canada, January 24<sup>th</sup>, 2008

***Archaeological Plant Material and Charcoal Identification: Cellular Analysis.***  
Presented to the Pacific Northwest Archaeological Society, REI Building, Seattle,  
Washington, February 29<sup>th</sup>, 2008

***Artifact Plant Material and Charcoal Identification at Wet Sites: Cellular Analysis.***  
Presented at Panorama City Retirement Community, Olympia, Washington, March 20<sup>th</sup>, 2008.

***Qwu?gwes Cultural Site: Wood and Charcoal Identification by Cellular Analysis.***  
Presented to the Pacific Northwest Archaeological Society, Seattle, Washington, March 21<sup>st</sup>, 2008

***Artifact Plant Material and Charcoal Identification at Wet Sites: Cellular Analysis.***  
Presented to the 73rd Annual Meeting of the Society for American Archaeology, Vancouver, BC Canada, March 28<sup>th</sup>, 2008.

Symposium co-Chair, "Sunken Village National Historic Landmark Wet Site (35MU4), Explorations with Japanese Archaeologists, Fall 2007, Portland, Oregon". 61<sup>st</sup> Annual Northwest Anthropological Conference, Victoria, BC, April 25<sup>th</sup>, 2008.

***Artifact Plant Material and Archaeological Charcoal Identification—Cellular Analysis.*** Sunken Village National Historic Landmark Wet Site (35MU4), Explorations with Japanese Archaeologists, Fall 2007, Portland, Oregon. Presented to the 61<sup>st</sup> Annual Northwest Anthropological Conference, Victoria, BC, April 25<sup>th</sup>, 2008.

***Artifact Plant Material and Charcoal Identification at Wet Sites: Cellular Analysis.***  
Presented by invitation at Portland State University, Portland, Oregon, May 2<sup>nd</sup>, 2008.

***Artifact Plant Material and Charcoal Identification at Wet Sites by Cellular Analysis: Sunken Village 35MU4: "Exploration of the National Historic Landmark Sunken Village Wet Site".*** Presented by invitation at the Cathlapotle Plankhouse, Ridgefield, Washington, September 14<sup>th</sup> 2008.

14th Annual Gathering Northwest Native American Basketweavers Association, Ocean Shores, Washington, October 2008

***Weaving Traditions and Places on the Columbia River.*** Presented on behalf of Pat Courtney Gold at the American Society for Ethnohistory Annual Meeting, Eugene, Oregon, November 13<sup>th</sup>, 2008.

***Ancient Wood use by Species for Baskets, Wooden Artifacts, and Fuel Woods (Charcoal).*** Presented by invitation to The National Research Institute for Cultural Properties, Nara, Japan, April 4<sup>th</sup>, 2009.

***Artifact Plant Material and Charcoal Identification by Cellular Analysis: Wet Site Archaeology.*** Presented by invitation to the University of Washington Extension Program (OSHER), Seattle, Washington May 22<sup>nd</sup>, 2009.

***Microscopic Identification by Cellular Analysis: A Comparison of Artifact Plant Material from Wet-Sites on the Northwest Coast of North America.*** Presented to the 63<sup>rd</sup> Annual Northwest Anthropological Conference, Ellensburg, Washington, March 25<sup>th</sup>, 2010

***Ancient Diamond Plaited Flat Bag from Sunken Village Wet Site, Portland, OR (35MU4)—“Lucy of Basketry?”.*** Co-Presented with Dale Croes and Eirik Thorsgard to the 63<sup>rd</sup> Annual Northwest Anthropological Conference, Ellensburg, Washington, March 27<sup>th</sup>, 2010.

***Environmental Reconstruction and Climate Change through Analysis of Archaeological Wood Charcoal Macro-Remains.*** Presented to the 64<sup>th</sup> Annual Northwest Anthropological Conference, Moscow, Idaho, April 23<sup>rd</sup>, 2011.

***Analysis and Interpretation of Archaeological Wood Charcoal Macro-Remains from the Pacific Northwest Coast.*** Presented to the 39<sup>th</sup> Annual Conference of the Alaska Anthropological Association, Seattle, Washington, March 2<sup>nd</sup>, 2012.

***After the Railroad: the Double-Cola Test Site.*** Co-Presented with Tracey Arnold and Aloura McDanel to the 65<sup>th</sup> Annual Northwest Anthropological Conference, Pendleton, Oregon, March 16<sup>th</sup>, 2012.

***Identification, Analysis and Conservation of Wood Artifacts from Triquet Island (EkTb-9).*** Presented to the Canadian Archaeological Society Annual Meeting, Whistler, British Columbia, Canada, May 16<sup>th</sup>, 2013.

***Early and Mid-Holocene Waterlogged Materials from the Triquet Island Site on the Central Coast of B.C.*** Co-authored with Duncan McLaren (University of Victoria and Hakai Beach Institute). Presented to the 67<sup>th</sup> Annual Northwest Anthropological Conference, Bellingham, Washington, March 28<sup>th</sup>, 2014.

***Basics of Wood Identification: Cellular Identification of Wood and Plant Fiber.*** Presented to the 20th Annual Gathering Northwest Native American Basketweavers Association, Squaxin Island, Washington. October 4<sup>th</sup> 2014.

***Re-Awakening a 2,000 Year Old Salish Sea Basketry Tradition: Cellular Analysis and Identification of the Biderbost Wet-Site Basketry Collection.*** Presented to the 69<sup>th</sup> Annual Northwest Anthropological Conference, Tacoma, Washington, March 24<sup>th</sup> 2016.

***Reawakening a 2000-Year-Old Salish Sea Basketry Tradition: Sharing 100 Generations of Cultural Knowledge with the Northwest Native Community, Archaeologists, and the Ainu of Hokkaido, Japan.*** Co-presented with Dr. Dale R. Croes and Ed Carriere to the 9<sup>th</sup> Annual Cultural Resource Protection Summit, Suquamish, Washington, May 26<sup>th</sup> 2016.

Tribal Cultural Resources Summit, Squaxin Island, Washington, June 7<sup>th</sup> 2016.

***45GH179/45GH180 Fish Weir Stake Restoration Project.*** Co-presented with Justine James, Jr., Quinault Tribal Fish and Wildlife Cultural Specialist and Dale Fishel, Community Volunteer to the 2016 Tribal Curation Gathering, Ocean Shores, Washington, November 2<sup>nd</sup> 2016.

## **Reports and Surveys**

- 2017 Allyn and Victor Shellfish Farms Cultural Resource Assessment. Report prepared by Kathleen Hawes, Assistant Director, PNWAS; for Taylor Shellfish Farms, Inc. Dr. Dale Croes, Principal Investigator.
- 2016 Zeller Trowbridge Peters Shellfish Farm Cultural Resource Assessment. Report prepared by Kathleen Hawes, Assistant Director, PNWAS; for Taylor Shellfish Farms, Inc. Dr. Dale Croes, Principal Investigator.
- 2016 Mazanti North Bay Shellfish Farm Cultural Resource Assessment. Report prepared by Kathleen Hawes, Assistant Director, PNWAS; for Taylor Shellfish Farms, Inc. Dr. Dale Croes, Principal Investigator.
- 2015 Tideland Cultural Resource Survey. Report prepared for Alice Helker, Manager, Set & Drift LLC. Dr. Dale Croes, Principal Investigator
- 2015 Kerbaugh Street Property Cultural Resource Survey. Report prepared by Kathleen Hawes, Assistant Director, PNWAS; for Andrew Kovach, Principal Architect, Kovach Architects, Inc. P.S. Dr. Dale Croes, Principal Investigator
- 2015 Burley Lagoon Tideland Cultural Resource Survey. Report prepared by Kathleen Hawes and Bryce Allyn for Taylor Shellfish Farms, Inc. Dr. Dale Croes, Principal Investigator
- 2014 Tideland Cultural Resource Survey. Report prepared by Kathleen Hawes for Hui Xia, Vice-President, Henderson Shellfish Inc. Dr. Dale Croes, Principal Investigator.
- 2014 Tideland Cultural Resource Survey. Report prepared by Kathleen Hawes for Matt Smith, President, Trident Marine Services Inc. Dr. Dale Croes, Principal Investigator.
- 2013 Cellular Analysis of Wood Material from the Little John Site (Kdvo-6). Report prepared by Kathleen Hawes for Norman Alexander Easton, Anthropologist, Yukon Territory, Canada.

- 2013 Archaeological Analysis and Conservation of Organic Wood, Charcoal and Artifacts: Triquet Island Archaeological Site (EkTb-9). Draft report prepared by Kathleen Hawes, with contributions by Tracey Arnold for Duncan McLaren, Ph.D. University of Victoria Department of Anthropology, B.C., Canada. Dr. Dale Croes, Principal Investigator.
- 2013 Mason County Public Utility District No. 1: Water Main Replacement Project Cultural Resource Survey. Report prepared by Kathleen Hawes for Mason County PUD No. 1, Shelton, Washington. Dr. Dale Croes, Principal Investigator.
- 2013 Kalakala Investigations Project 45TN434:Cultural Resource Survey Draft Report. Report prepared by Kathleen Hawes, with the Nisqually Indian Tribe and contributions by Bryce Allyn and Tracey Arnold, PNWAS for the Nisqually Indian Tribe, Washington. Dr. Dale Croes, Principal Investigator.
- 2011 Clallam Bay Site: Cultural Resources Survey. Report prepared by Kathleen Hawes for Clallam County Parks, Fair and Facilities Department, Port Angeles, Washington. Dr. Dale Croes, Principal Investigator.
- 2011 Hood Canal Communications Underground Broadband Fiber Optic Installation: Cultural Resource Records Search. Report prepared by Kathleen Hawes for Rural Utilities Service (RUS), United States Department of Agriculture (USDA) and Hood Canal Communications, Union, Washington. Dr. Dale Croes, Principal Investigator.
- 2011 Quileute Tribe Transit Shelter Project: Cultural Resource Survey. Report prepared by Kathleen Hawes for the Bureau of Indian Affairs (BIA) and the Quileute Indian Tribe, La Push, Washington. Dr. Dale Croes, Principal Investigator.
- 2011 Allison Springs Restoration Project: Cultural Resources Survey. Report prepared by Kathleen Hawes, Bryce Allyn, Laurel Zickler-Martin, Tyler Graham, and Jason Channel for the South Puget Sound Salmon Enhancement Group, Olympia, Washington. Dr. Dale Croes, Principal Investigator.
- 2010 Cellular Analysis of Charcoal and Wood Material. Report prepared by Kathleen Hawes for Scott Shirar, University of Alaska Museum of the North, Fairbanks, Alaska.
- 2010 Mason County PUD #3 Water Main Installation Project: Cultural Resources Survey. Report prepared by Kathleen Hawes for the Mason County Public Utility District #3, Shelton, Washington. Dr. Dale Croes, Principal Investigator.
- 2010 City of Shelton Fire Station Renovation Project: Cultural Resources Survey Field Summary. Report prepared by Kathleen Hawes for the United States Department of Agriculture (USDA) and the City of Shelton, Washington. Dr. Dale Croes, Principal Investigator.



- 2010 Archaeological Site DhRp-52: Cellular Analysis of Organic Plant Material. Report prepared by Kathleen Hawes for Amy Homan, Wetlab Supervisor and Senior Archaeologist, Katzie Development Corporation on behalf of the Katzie First Nations of British Columbia, Canada. Dr. Dale Croes, Principal Investigator.
- 2010 Historic Cemetery Cellular Analysis of Organic Plant Material. Report prepared by Kathleen Hawes for Fennelle DeForest Miller Consultants, Ellensburg, Washington. Dr. Dale Croes, Principal Investigator.
- 2009 Montgomery Creek Fish Weir (35LNC78): Conservation and Cellular Analysis. Report prepared by Kathleen Hawes, Olivia Ness and Dr. Dale Croes for Byram Archaeological Consulting, LLC of Eugene, Oregon. Dr. Dale Croes, Principal Investigator.
- 2008 City of Shelton Fire Station Renovation Project: Cultural Resources Survey (Field Summary). Report prepared by Kathleen Hawes and Olivia Ness for the United States Department of Agriculture (USDA) and the City of Shelton, Washington. Dr. Dale Croes, Principal Investigator.

## **Publications**

- 2007 “Artifact Plant Material Identification—Cellular Analysis” and “Woodworking Debitage: Woodchip Analysis (TU4)” in Croes, Dale R., John L. Fagan and Maureen M. Zehendner (editors) 2006 *Testing the National Historic Landmark Wet Site, 35MU4, The Sunken Village Archaeological Site, Multnomah County, Oregon*. Prepared for Sauvie Island Drainage Improvement Company, Portland, OR., Report No. 4, Department of Anthropology, South Puget Sound Community College and Archaeological Investigations Northwest, Inc.
- 2008 Contributing author in *A Field Report from the Sunken Village Wet Site (35MU4) The Midden: Publication of the Archaeological Society of British Columbia*, Vol. 40, No. 1-2008.
- 2008 “Woodworking Debitage: Woodchip Analysis (TU4)” with Tyler Graham, “Artifact Plant Material Identification—Cellular Analysis” and “Charcoal Cellular Identification and Distribution” in Croes, Dale R., John L. Fagan and Maureen M. Zehendner (editors) 2007a *A U.S. National Historic Landmark Wet Site, the Sunken Village Site (35MU4), Portland, Oregon—the First Explorations*, Report No. 5, Department of Anthropology, South Puget Sound Community College and Archaeological Investigations Northwest, Inc. Submitted as 2007 report to the Oregon State Historic Preservation Office.



- 2009 “Woodchip Analysis from TU4” co-authored with Tyler Graham in Croes, Dale R., John L. Fagan and Maureen Newman Zehendner: *Sunken Village, Sauvie Island, Oregon, USA A Report on the 2006–2007 Investigations of National Historic Landmark Wet Site 35MU4*. *Journal of Wetland Archaeology* 9, 2009, Bryony Coles (managing editor), University of Exeter, UK.
- 2009 “Cellular Analysis of Artifact Plant Material and Charcoal” in Croes, Dale R., John L. Fagan and Maureen Newman Zehendner: *Sunken Village, Sauvie Island, Oregon, USA A Report on the 2006–2007 Investigations of National Historic Landmark Wet Site 35MU4*. *Journal of Wetland Archaeology* 9, 2009, Bryony Coles (managing editor), University of Exeter, UK.
- 2013 “Cellular Identification of Wood/Fiber Artifacts and Fuelwoods” co-authored with Daniel Rowley in Croes, Dale R., Larry Ross and Rhonda Foster: *Qwu?gwes: The Qwu?gwes Archaeological Site (45TN240), Fish Trap, and Homestead. Comprehensive Eleven-Year Scientific Descriptive and Cultural Explanatory Report* .
- 2013 "Plant Technology in Archaeology: From the Ancient Past into the Future" co-authored with Dale R. Croes in Turner, Nancy J. and Dana Lepofsky, (editors) *Ethnobotany in British Columbia: Plants and People in a Changing World*. Special issue, *BC Studies* 179.
- 2013 "Exploring Ancient Wood and Fiber Technologies Along the Northwest Coast of North America" co-authored with Dale R. Croes. *Journal of Northwest Anthropology* Fall 2013 Vol. 47 No. 2.

## **Volunteer Experience**

- SPSCC Anthropology Club, South Puget Sound Community College 2005-2013: Coordinated and maintained records of Club Meetings and events; Maintained current membership information; Prepared and filed paperwork for travel and related expenses; Coordinated fund raising events
- Participant in *New Designs for Learning...for Life Library—Student Services—eLearning* Planning Team at South Puget Sound Community College September-December 2008
- Secretary for the Native American Heritage Celebration Sub-Committee South Puget Sound Community College 2007-2014
- *Expanding Your Horizons* Conference workshop Mentor, South Puget Sound Community College 2008-2014