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EDUCATION

- 2013 **Ph.D. in Environmental and Natural Resource Science**, Washington State University, Pullman, WA.
- 2007 **MS in Environmental Science**, Washington State University, Pullman, WA
- 2003 **BLA in Landscape Architecture**, University of Idaho, Moscow, ID.
- 1996 **AS (Mechanical Engineering)**, North Idaho College, Coeur d'Alene, ID.

ACADEMIC APPOINTMENTS

2022- Present: Associate Director of Undergraduate Programs, School of the Environment

2020- Present: Assistant Professor (Scholarly Career Track), School of the Environment, Washington State University.

2021- Present: Chair, WSU Teaching Academy

2018-2022: LIFT Fellowship Trainer, CAS/CAHNRS Transformational Change Initiative (TCI).

2013-2022: First Year Focus Instructor, Washington State University.

2013-2020: Instructor. School of the Environment, Washington State University. Preparing

PROFESSIONAL APPOINTMENTS AND ASSOCIATED GRANTS

2014 – 2022 William D. Ruckelshaus Center (<http://ruckelshauscenter.wsu.edu/>) The Ruckelshaus Center is a joint effort of Washington State University and University of Washington that fosters collaborative public policy in Washington State and the surrounding region. The Center is part of WSU is administered by WSU Extension.

2022-Present: CO-Investigator “Spirit-Lake/Toutle-Cowlitz Collaborative-Phase 2”. Project Manager/PI: Chris Page. Award: In Contract Phase (~ \$90,000) Project Page: <https://ruckelshauscenter.wsu.edu/projects/current-projects/spirit-lake/>

2021-2022: “Spirit Lake/Toutle -Cowlitz Collaborative- Phase 1”. Project Manager/PI: Chris Page. Funding Agency: USDA, Forest Service Gifford Pinchot National Forest. Award: \$78,921. Project Page: <https://ruckelshauscenter.wsu.edu/projects/current-projects/spirit-lake/>

August -September 2019: “The Criminal Sentencing Legislative Task Force”. Situation Assessment prior to developing facilitation process for the Criminal Sentencing Legislative Task Force. <https://ruckelshauscenter.wsu.edu/criminal-sentencing/>

2014-2018: CO-Investigator, “Spokane River Toxics Task Force”. Project Manager/PI: Chris Page. CO-I Spokane River Toxics Task Force. William D. Ruckelshaus Center. Funding Agency: Administrative Contracting Entity for the Spokane River Regional Toxics Task Force. Award period: 7/1/2017 – 6/30/2018, \$88,310, previous awards on this project: 6/7/2016 - 6/30/2017, \$85,068; 6/1/2015 -6/30/2016, \$72,471; 7/1/2014 – 6/30/2015, \$88,481.

2017- 2018: CO-Investigator, “PFAS – Chemical Action Plan”, Agency: WA Ecology. Project Manager/PI: Chris Page. CO-I PFAS – Chemical Action Plan. Funding Agency: Washington Department of Ecology. Award period: 7/1/2017-9/30/2018, \$80,000.

2017: CO-Investigator, “Coeur d’Alene Basin Restoration Partnership” Task 1. Project Manager/PI: Chris Page. CO-I Coeur D’Alene Basin Restoration Trustee Council. William D. Ruckelshaus Center. Funding Agency: Idaho Department of Environmental Quality. Award period: 3/1/2017 – 5/19/2017, \$9,573

2016: CO-Investigator, “Coeur d’Alene Basin Restoration Partnership” Situation Assessment. Project Managers: Chris Page and Darren Nichols. (Fall 2016). Funding Agency: Idaho Department of Environmental Quality. Award period: 2/16/2017-3/31/2017, \$6,449.

OTHER APPOINTMENTS

2011- 2012 - Research Assistant, Washington State University. Grant: National Science Foundation Watershed Sustainability and Climate, “Sustainability Dynamics for Water Resources in a Rapidly Urbanizing and Climatically Sensitive Region”

2008-2013 - Teaching Assistant and Instructor (Fall, Spring and Summer Sessions), Washington State University. School of the Environment (formerly School of Earth and Environmental Science).

2008-2010- GPSA Senator and GPSA Events Committee Chair, Washington State University.

2008 – 2009- Research Assistant, William D. Ruckelshaus Center - Washington State University. “Agriculture Pilots Project”. <https://ruckelshauscenter.wsu.edu/agricultural-pilots-project/>

2007- Sustainability Intern, City of Moscow, ID.

UNFUNDED GRANT PROPOSALS

2015- CO-I INFEWS/T3 System Dynamics for Nexus Innovations (SD4NEXI). NSF. Amount requested \$2,952,759 Not funded.

ACADEMIC COURSES

SOE 110 [UCORE BSCI] Environment, Human Life, and Sustainability (Pullman Campus and Global Campus).

SOE 285 The Science and Policy of Climate Change. (Pullman Campus and Global Campus)

SOE 444/544 Environmental Assessment. An upper division policy course for majors and graduate students. (Pullman Campus and Global Campus)

SOE 492 Independent Study Research Projects

SOE 495 Undergraduate Internship

SOE 477 [UCORE CAPS] Environmental Dispute Resolution and Conflict Management. (Pullman Campus and Global Campus)

STUDY ABROAD (FACULTY LED) PROGRAMS

SOE 312 Discover Ireland Exploring the History, Culture, and Environment of Ireland.. (summer 2018, summer 2019, summer 2022, summer 2023)

SOE 314 Alternative Spring Break - Service Learning in Ecuador Building Sustainable Local Solutions for Human and Environmental Health. (Spring break 2019, Spring break 2020 canceled due to pandemic)

Faculty-Led In Programs in Development:

Faculty Led New Zealand. Winter break program (December 19th, 2023 – January 7th, 2024) proposal submitted, working on budget, and recruiting.

Faculty Led Antarctica. Winter break program. (December 2024-early January 2025). This program is in development.

SERVICE (COMMITTEES, WORKING GROUPS, AND MENTORING)

SOE and University Committees

2023 Oaks Academic Technology Award Committee

2022-Current: SoE Undergraduate Studies Committee. Current Chair. (previously served on this committee 2018- May 2020).

Fall 2022-Current: Teaching and Learning Collaborative Working Group

Fall 2022-Current: CAHNRS Swantz Teaching and Learning Community

2022-Current: Native American Food Systems Faculty Search Committee

2020-Current: WSU Teaching Academy: Chair. Was Vice-Chair of the Academy for spring of 2021 and nominated to elected to serve as Chair in fall of 21. Previous served as the chair of the Teaching Academy Assessment Committee.

2022: Grants and Contracts Administrator Search Committee.

January 2021-2022: UCORE Faculty Working Group on Diversity, Equity, and Justice.

2020: Society of American Forestry (SAF) Accreditation Committee

2019- 2022: WSU Access Center Faculty Liaison. <https://accesscenter.wsu.edu/about-us/faculty-liaisons/>

2018-Current: WSU Common Reading Selection Committee.

August 2020-2022: SOE Vision and Strategy Committee.

2018-Current: SOE Communications Committee.

2019: UCORE Diversity Sub-Committee.

2019: CAS Faculty Awards Committee.

WSU Student Club Advising:

2018-Current: SOE Environmental Science Club Faculty Advisor.

2019-2020: CAHNRS International Development (ID) Club Faculty Advisor.

Graduate Student Committees

Nathan Enos, Graduate Committee Chair. Current MS Student. Research on collaborative governance and the building of sustainable collaborative community approaches to problem solving.

Mark Billings, Graduate Committee Member. PhD. "Qualitative Research and Analysis of Local Social Characteristics and Land Management Policy Related to Wildland-Urban Interface Communities Which Influence Pathways and Barriers to Wildfire Adaptation and Collective Action to Reduce Wildfire Risk." (Completed Fall of 2021)

Eli Loftis, Graduate Committee Member. MS. "Evergreen and Charcoal Black: The Institutional and Organizational Development of the Washington Department of Natural Resources in the Era of Megafires." (Completed Fall 2021)

Kayla Wakulich, Graduate Committee member. MS. "Connecting People to Community and Nature through Ecological Sense of Place: Case Study Missouri Flat Creek Restoration." (Completed Fall 2017)

Undergraduate Advising and Mentoring Experience

Fall 2021

Alissa Essig. Advisor for a 1 credit special topics research project. "The Climate Refugee. An analysis utilizing collaborative process to the multi-dispute of governmental and non-governmental stakeholders in the crisis of climate refugees".

Spring 2018-current

Undergraduate Interns for Environmental Science SOE 110 (formerly ENVR SCI 101) and SOE 285. Students who have participated include: McCall Daniels (110), Sydney Almgren (110, 285), Gabrielle Featherston (110), Yeyi Chen (110), Tatum Holstine (110 and 285), Lambert Ngenzi (285), Shannon Mackenzie (285), Eric Camacho-Roldan (110), Mackenzey Wilson (110), Emily Helenhouse (110), Adrienne Kill (285), Kayla Owens (285), Lexie Klinkhammer (110), and Isabel Luke (110).

Fall 2017 -Spring 2018

McKynzie Clark. “ Alternatives assessment for Per- and Polyfluoroalkyl Substances (PFAS), specifically aqueous film-forming foam (AFFF)”.

Fall 2016- Spring 2018

Brenden Campbell. Ignite program. “Understanding the strategies and effectiveness of education and outreach on PCB awareness and action in the Spokane River Basin”.

Fall 2017

Meghan Harris. Developed PCB outreach videos using Adobe Premiere, for the Spokane River Regional Toxics Task Force Education and Outreach work group.

Spring 2016

Ryan David Clark. “Revisions of the Washington State Department of Ecology Upland Fin-Fish Hatching and Rearing General NPDES Permit and the EPA NPDES general permit for federal aquaculture facilities and aquaculture facilities in Indian Country within the boundaries of the state of Washington”.

Fall 2014

Katherine Chin. “on The link of inadvertent PCB production and water quality specific to the Spokane River Basin”.

Honors Thesis Advisor or Reviewer

Spring 2021

Joselyn Sellers. Honors Thesis Reviewer. “Reducing the Environmental Footprint of Meat: Exploring Interactive Education as a Tool to Reduce Consumption”. Earned a Pass with Distinction (PWD), thesis advisor-Allyson King, Spring 2021.

Fall 2019 - Spring 2021

Danielle Keerbs. Honors Thesis Advisor. “Communication, Economics, and Policy: An Analysis of U.S.-Based NGO and Nonprofit Efforts to Enact Change on a Global Scale”. Earned a Pass with Distinction (PWD) Spring 2021.

Kainoa Torres. Honors Thesis Advisor. “An Analysis of Carbon Emission Levels Top Emitters as Related to The Paris Climate Agreement, From 2015-2020” Completed Spring 2021.

Fall 2019

Hillary Zuniga. Honors Thesis Reviewer. “Environmental and Economic Perspectives from Local Intag Ecuadorian Population on Development Interventions.” Thesis completed on October 28th, 2019.

Fall 2018 – Spring 2019

Hayley Lundstrom. Honors Thesis Advisor. Thesis: The impact of policy and budget decisions of the current administration on the National Park Service.

Fall 2016 -Spring 2017

Morgan DiCarlo. Honors Thesis Advisor. Thesis project “An American Plant-Based Diet: An inquiry into the feasibility and potential environmental effects of a widespread plant-derived diet”.

Spring 2017

Breanna Kelsey. Honors Thesis Reviewer. Presentation completed April 10th, 2017.

Other Mentoring

Spring 2018 -2019

Brianne Preston. Mentor (2 years) Global Citizenship Program for the College of Agriculture, Human and Natural Resource Sciences.

ACADEMIC AND PROFESSIONAL AWARDS

2019- Richard G. Law Excellence Award for Undergraduate Teaching.

2018- College of Science (CAS) Award for Excellence in Teaching by an Instructor

2018 WSU Common Reading Excellence Award

2009- Boeing Environmental Endowed Grad Fellowship, School of the Environment

2008- Robert Lane Fellowship in Environmental Science, School of the Environment

Nominated: Spring 2021 and Spring 2022 (*Nominated 2 years*) - *Excellence in Online Teaching Award*; Fall 2019-Spring 2020 (*Nominated*) - *President’s Distinguished Teaching Award for Instructors and Clinical Faculty on October 18, 2019*

PUBLICATIONS

Billings M, Carroll M, Paveglio T, **Whitman K.** “Us versus Them;” Local Social Fragmentation and Its Potential Effects on Building Pathways to Adapting to Wildfire. *Fire*. 2021; 4(4):96.
<https://doi.org/10.3390/fire4040096> (Published)

Loftis E, Carroll M, **Whitman K.** “Evergreen and Charcoal Black: the Institutional and Organizational Development of the Washington Department of Natural Resources in the Era of Megafires”. (in Progress, submitted to *Society and Natural Resources*, Policy Review)

Whitman, K., Johnson, J. (2021). Systems Thinking: A Framework for Critical Thinking. The Best of the 2020 Teaching Professor Conference. Teaching Professor Virtual Conference. 25-32.
<https://www.magnapubs.com/wp-content/uploads/2021/02/Best-of-TPC-2020.pdf>

Beall-King, A. **Whitman K.,** Johnson, J., Wakulich, K. **2020.** Environmental Science and Sustainable Solutions Lab Manual. Fifth Edition. Great River Technologies, USA

Beall-King, A. **Whitman K.**, Johnson, J., Wakulich, K. **2018**. Environmental Science and Sustainable Solutions Lab Manual. Fourth Edition. Great River Technologies, USA

Beall-King, A. **Whitman K.**, Johnson, J., Wakulich, K. **2017**. Environmental Science and Sustainable Solutions Lab Manual. Third Edition. Great River Technologies, USA

Page, C, Nichols, D, **Whitman, K. December 9, 2016**. Situation Assessment of the Coeur d'Alene Restoration Partnership. Conducted for the Trustee Council on Behalf of the Restoration Partnership by the William D. Ruckelshaus Center.

Whitman, K., 2013. Regional sustainability assessment: improving collaboration and coordination across watershed plans in the Spokane River basin (Doctoral Dissertation). Washington State University, School of the Environment. ProQuest Dissertations and Theses at <http://search.proquest.com/docview/1418817438> UMI Number: 3587493.

Beall, A. **Whitman K.**, 2013. Environmental Science and Sustainable Solutions Lab Manual. Second Edition. Great River Technologies, USA

Beall, A. **Whitman K.**, 2012. Environmental Science and Sustainable Solutions Lab Manual. Kendall Hunt, Great River Technologies. Dubuque IA

Beall, A., Trout, K., and **Whitman, K.**, 2011. The Environment, Human Life and Sustainability: Lab, Field and Reference Manual. Pearson Publishing.

Beall, A., Hays, B., Morrison, D., Tillotson, K., Trout, K., and **Whitman, K., 2010**. Humans and the Natural Environment. Field and Laboratory Manual. Pearson Publishing.

Beall, A., Gill, R., Andrus, H., Bier, A., Greenwood, R., Hamblin-Hart, K., Pell, C., Saavedra, C., Stahl Tyson, A., Wesockes, A., and **Whitman, K., 2009**. Humans and the Natural Environment. Field and Laboratory Manual. Pearson Publishing.

Prepared by **Whitman, K.**, 2008 & 2009. Agriculture Pilots Project Interim and Final Reports (8/08, 12/08, 4/09, 10/09). William D. Ruckelshaus Center. Final Report located at <https://s3.wp.wsu.edu/uploads/sites/2180/2013/06/AgPilotsFinalReport-103009.pdf> (all other project interim reports at <http://ruckelshauscenter.wsu.edu/publications/>)

RELATED PROFESSIONAL EXPERIENCE

2020

Teaching Professor Conference May 2020, Atlanta Georgia. “Systems Thinking: A Framework for Critical Thinking and Active Learning,” (co-presenters: Kara Whitman and Jennifer Johnson), Received a “Best of the 2020 Teaching Conference” honor.

Other Group Facilitation:

2023 (upcoming)

Planning and Facilitation. Spirit Lake Toutle Cowlitz River Collaborative Technical Workshop. Tentatively scheduled for March 21 – 22 at the Cowlitz County Event Center in Longview WA.

2022

Planning, Coordination, and Facilitation. WSUTeachX 2022. Served on the Steering Committee for the first annual WSUTeachX on October 21, 2022. The committee planned, coordinated, and facilitated the event. I also served as the emcee for the event.

<https://provost.wsu.edu/teaching-academy/teachxwsu-2022/>

2019

Planning and Facilitation: Inadvertently Produced PCBs in Inks and Pigments Workshop. Assisted Lisa Dally Wilson (Dally Environmental) and Lauren Heine et.al. (Northwest Green Chemistry) in facilitation of two-day workshop on October 8th-9th, 2019 at the Spokane Convention Center. http://srtrtf.org/?page_id=10745

Facilitation: UCORE DIVR Workshop. Assisted Lisa Guerrero, Clif Stratton, and Ashley Boyd in the facilitation of the workshop for faculty on September 14, 2019, at the Elson S. Floyd Cultural Center.

Planning and Facilitation: Spokane River Regional Toxics Task Force Data Synthesis Workshop. Assisted Lisa Dally Wilson (Dally Environmental) and Ben and Lara Floyd (White Bluffs Consulting) in the facilitation of a two-day workshop on May 30 and 31st, 2019 at WSU Spokane. <http://srtrtf.org/?p=10388>

2017

Facilitation: Moderator at the Spokane River Forum 2017 Conference in Coeur d'Alene, Idaho November 15-16. Moderator of the session "Spokane River Toxics Monitoring Results" and "Creating a Vision for Toxics Reduction with Public Outreach".

2016

Planning and Facilitation: Spokane River Toxics Technical Workshop. Coordinated the planning and implementation of the 3-day workshop. February 9th -11th, Spokane Convention Center, Spokane, WA.

2015

Planning and Facilitation: Spokane River Toxics Technical Workshop. Coordinated the planning and implementation of the 2-day workshop. January 13th and 14th, 2015 at CenterPlace Regional Event Center, Spokane Valley, WA

ACADEMIC AND PROFESSIONAL DEVELOPMENT

2022-2023

Provost Leadership Academy (PLA). August 22, 2022 – April 2023. The Provost Leadership Academy provides the chance and training for faculty to "practice and develop self and social awareness and responsibility, including leadership skills.

Learning Innovations Faculty Fellows. Fall Semester 2022-2023. This program will begin in fall of 2022. Fellows will develop VR, AR and related media to enhance a specific activity or learning moment in each invitees identified course of interest.

2022

AOI VR in the Classroom Seminar Series. Spring Semester 2022. A semester long working group investigating Virtual, Extended, and Augmented Reality technologies as pedagogical

tools.

2021

Washington State University Community & Equity Certificate Program for Faculty & Staff

Completed on December 9, 2021. To complete this certificate I participated following trainings each approximately 3 hours long (total of approximately 30 hours of training):

- Community and Equity 101: Defining and Cultivating Inclusive Excellence at WSU (COMPLETED ON 2/10/21)
- Building Coalitions Across Great Divides (COMPLETED ON 2/22/21)
- Disability Allyship, Advocacy, and Activism (COMPLETED ON 4/30/21)
- Conversations on Implicit Bias (COMPLETED ON 5/20/21)
- Community and Equity 102: Who are You? Fostering Critical Self Awareness to Engage Across Difference (COMPLETED ON 6/10/21)
- UndocuAlly Training (COMPLETED ON 6/16/21)
- International Cultures and Teams (COMPLETED ON 6/25/21)
- LGBTQ+ Ally Training (COMPLETED ON 7/26/21)
- Community and Equity 103: Moving from Equality Towards Equity (COMPLETED ON 9/16/21)
- Building a Community of Respect (COMPLETED ON 11/18/21)

Word, Faculty Fellows Program Division of Academic Engagement and Student Achievement (COMPLETED Fall 2021)

2019

The Teaching Professor Pre-Conference on Creating a Faculty Learning Community on Inclusive Pedagogy. June 7, 2019. New Orleans.

The Teaching Professor Conference. June 7-9, 2019. Sheraton New Orleans Hotel, 500 Canal St, New Orleans, LA 70130.

Greg Walton's Keynote Lecture and Workshop. April 5th, 2019. "Psychologically 'Wise' Interventions to Bolster Belonging and Reduce Inequality in College. AOE Outreach & Innovation Workshops

AOI Teaching Innovation Workshops. "Making Teaching Matter" and "Teaching Today's Students" February 18, 2019, 9:00 - 3:00 p.m. Spark 212. AOE Outreach & Innovation

2017

CAS/CAHNRS Transformational Change Initiative (TCI). LIFT Fellow.

2016

"Fall Faculty Academic Technology Forum". November 9, 2016.

"POGIL presentations and workshop" October 27-28, 2016. Washington State University

“Chemistry Refresher for Environmental Professionals” Course (Course ID: HYD-401). National Environmental Management Academy, LLC – UC Davis Extension. Completed September 12, 2016. (7.5 PDHs, or .75 CEUs). Instructor: Eric McWayne.

“Surface Water and Stormwater Pollutant Chemistry Principles and Applications” Course (Course ID: SWM-405). National Environmental Management Academy, LLC – UC Davis Extension. Completed September 13-14, 2016. (15 PDHs or 1.5 CEUs). Instructor: Eric McWayne.

2014-2021

Annual First Year Focus Planning Workshop, Pullman WA

2010-2016

Attended the Spokane River Forum, Spokane Valley, WA. and Coeur d’Alene, ID.

2013

Mental Health First Aid Training. Washington State University

2012

Ecosystem Services Partnership Conference, Portland, OR.

2012

Western States Communication Association Conference, Albuquerque, NM (presenter)

Strengthening Sustainability across the Curriculum on our Campuses. Spokane Community College, Spokane WA.

2008

American Planning Association Conference, Spokane, WA.

Environmental Conflict Resolution Conference, Tucson, AZ.

2007

Rocky Mountain Sustainability Summit, Boulder, CO.