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## EDUCATION

- 2013 **Ph.D. in Environmental and Natural Resource Science**, Washington State University, Pullman, WA. Dissertation: “Regional Sustainability Assessment: Improving Collaboration and Coordination Across Watershed Plans in the Spokane River Basin”.
- 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 AND PROFESSIONAL APPOINTMENTS

### Current Positions

*Instructor, School of the Environment, Washington State University.* Preparing and Teaching both Pullman Campus courses and Global Campus Courses for spring, fall and summer sessions. Management of 5-7 Teaching Assistants per semester, See course list under “Academic Courses”. Duties also include support for online course development for School of the Environment courses (Env. Sci courses 101, 285, 444/544). Also involved in the CAHNRS/CAS Transformational Change Student Success Initiative as a Level 1 (Early Innovators): Guided Inquiry-Based Learning in the First-Year Experience faculty participant. (2013-current).

*Project Coordinator, 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. (2014 - current)

*CO-Investigator, “Spokane River Toxics Task Force”.* Project coordination, meeting and project facilitation, facilitation budget development, logistic support, project communication, development of outreach materials, and preparation of Task Force materials including, meeting agendas, action items, outreach materials, meeting summaries and quarterly reports. Project Manager: Chris Page. (2014 - current)

*CO-Investigator, “Coeur d’Alene Basin Restoration Partnership” Task 1.* As a result of the findings of the completed situation assessment, the Idaho Department of Environmental Quality has hired the Ruckelshaus Center to facilitate the Partnership through exploring and deciding on the structure of their working relationships including the fiscal and personnel coordination between individuals and agencies during the implementation of their Restoration Plan. Ruckelshaus center will work on an as-needed task oriented structure with the Partnership beginning in March 2017.

***First Year Focus Instructor, Washington State University.*** First Year Focus is university wide program to help facilitate first year student success. Duties of a First-Year Focus instructor include, but are not limited to: planning memos, dormitory-classroom coordination, incorporation of the University Common Reading into course curriculum, and student engagement. (2014 - current)

## **Previous Appointments**

### **2016**

***CO-Investigator, “Coeur d’Alene Basin Restoration Partnership” Situation Assessment.*** Provided Project coordination, communication, interviews, report writing, formatting/editing. Project Managers: Chris Page and Darren Nichols. (Fall 2016).

### **2013-2015**

***Tier 1 Reader, Washington State University Junior Writing Portfolio.*** Evaluate timed essays including an argumentative essay and self-evaluation essay to determine student readiness for Writing-in-the-Major (M) courses

### **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). Duties included lab instruction, curriculum and syllabus design, lab technical support and lecturing.

### **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”

### **2008-2010**

GPSA Senator and GPSA Events Committee Chair, Washington State University. Represented graduate and professional student interests at Washington State University and planned and coordinated GPSA events.

### **2008 – 2009**

Research Assistant, William D. Ruckelshaus Center - Washington State University. This position consisted of project logistic support, project coordination and communication, project evaluation, and interim and final report preparation for the Agriculture Pilots Project.

### **2007**

Sustainability Intern, City of Moscow, ID. Preparing, submitting and coordinating resolutions and policies to City Council, City Staff and City Commissions on topics of sustainability.

## **ACADEMIC COURSES**

**WSU ENV SCI 101** Humans and the Natural Environment: Introductory course for Environmental science majors and science course with lab for non-majors.

**WSU Global Campus ENV SCI 101** Humans and the Natural Environment: Introductory course for environmental science majors and science course with lab for non-majors.

**WSU ENV SCI 285** The Science and Policy of Climate Change. A science course for environmental science majors and non-majors.

**WSU Global Campus ENV SCI 285** The Science and Policy of Climate Change. A science course for environmental science majors and non-majors.

**WSU Global Campus ENV SCI 444/544** Environmental Assessment. An upper division policy course for majors and graduate students.

**WSU ENV SCI 492** Special Topics

## **UNDERGRADUATE ADVISING AND MENTORING EXPERIENCE**

### **Fall 2016- Summer 2017**

Brenden Campbell. Advisor for undergraduate research through the Ignite program. Brenden will potentially be doing work with Spokane River Regional Toxics Task Force as part of this program.

### **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*". Research/thesis completed May 4, 2017.

### **Spring 2017**

Breana Keisey. Honors Thesis Reviewer. Presentation completed April 10<sup>th</sup>, 2017.

### **Spring 2016**

Ryan David Clark. Received a minor in Environmental Science. Advisor for a special topics course focused on PCBs and other toxins in effluent. Ryan did a research project looking into the 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. Ryan examined monitoring and reporting requirements for PCBs and other toxins in the permits as they pertain to the Spokane River.

### **Fall 2014**

Katherine Chin. Received a minor in Environmental Science. Advisor for a special topics course that focused on the link of inadvertent PCB production and water quality specific to the Spokane River Basin.

## **RELATED PROFESSIONAL EXPERIENCE**

**2016** *Spokane River Toxics Technical Workshop*. Coordinated the planning and implementation of the 3-day workshop. February 9<sup>th</sup> -11<sup>th</sup>, Spokane Convention Center,

Spokane, WA.

**2015** *Spokane River Toxics Technical Workshop*. Coordinated the planning and implementation of the 2-day workshop. January 13<sup>th</sup> and 14<sup>th</sup>, 2015 at CenterPlace Regional Event Center, Spokane Valley, WA

*“Collaboration to Reduce Toxic Pollution in the Spokane River”* Poster presentation at the WSU Academic Showcase March 27, 2015 and the University Network for Collaborative Governance (UNCG) May 31<sup>st</sup> -June 2<sup>nd</sup>, 2015.

**2013** *“Connecting a Region through shared Ecosystem Services: A Regional Watershed Sustainability Assessment Framework for the Spokane River Watershed”* Poster presentation the WSU Academic Showcase, (same title as previous poster, but different poster

**2012** *“Connecting a Region through shared Ecosystem Services: A Regional Watershed Sustainability Assessment Framework for the Spokane River Watershed”* Poster presentation at the Ecosystem Services Partnership (ESP) conference. July 31- August 3, 2012 Portland, Oregon.

**2012** *“Sustainability Indicators and Assessment across Watershed Management Areas”* Paper presented at the WSCA conference in Albuquerque, NM. Presented in the Panel “Politics and Communication in Multi-Jurisdictional Water Management: Case Studies From the Northwest.

**2010** *“Sustainability Assessment”* Guest Lecturer in the Environmental Assessment Course ES/RP 544, Washington State University.

**2009** *“Agriculture Pilots Project”*, Guest Lecturer in the Environmental Science Course ES/RP 101. Washington State University.

**2008** *“Planning for Sustainable Communities”* Live Extension Engaged Video Production, Washington State University (aired April 4<sup>th</sup>, 2008)

**2008** *“A Short Course on Sustainability Assessment: Starting Your Sustainable Future”* Poster presentation in Olympia, WA. at the “Faculty Serving Washington” event

**2008** *“Sustainability: starting your sustainable future”*. Guest lecturer, WSU Dorm Sustainability Series

**2007** City of Moscow, *Project lead* of 18 student team working on Sustainability Assessment as part of the ES/RP 544 Course under the direction of William Budd.

#### **ACADEMIC AND PROFESSIONAL DEVELOPMENT**

**2017** CAS/CHANRS Transformational Change Initiative (TCI) and participating in Learn, Inspire, Foster, Transform (L.I.F.T) faculty training (4 trainings focusing on interventions for social-belonging, values and values-based actions, mindfulness and

self-compassion, growth mindset), Spring 2017

- 2016** “Fall Faculty Academic Technology Forum”. November 9, 2016.
- 2016** “POGIL presentations and workshop” October 27-28. Washington State University
- 2016** “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.
- 2016** “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.
- 2014-2016** Annual First Year Focus Planning Workshop, Pullman WA
- 2010-2016** 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
- 2012** Strengthening Sustainability across the Curriculum on our Campuses. Spokane Community College, Spokane WA.
- 2008** American Planning Association Conference, Spokane, WA.
- 2008** Environmental Conflict Resolution Conference, Tucson, AZ.
- 2007** Rocky Mountain Sustainability Summit, Boulder, CO.

## **ACADEMIC AND PROFESSIONAL AWARDS**

- 2009** Boeing Environmental Endowed Grad Fellowship, School of the Environment
- 2008** Robert Lane Fellowship in Environmental Science, School of the Environment
- 2000** Sigma Lambda Alpha Honor Society, Beta Chapter Induction

## **OUTREACH AND SERVICE**

- 2017** WSU CAHNRS/CAS Transformational Change (Student Success) Initiative (TCI). Planning and Implementation of the L.I.F.T Faculty Session on Social Belonging, a 2-hour workshop that will be held on February 21 and 23, 2017.

Will also be assisting with the “Growth Mindset” session later in the semester.

- 2016** Sustainability Fair, October 19, 2016. Washington State University. Demonstration of river model, augmented reality sandbox, groundwater model, aeroponic tower garden, composting, and promotion of the School of the Environment.
- 2016 and 2017** Showcase for Undergraduate Research and Creative Activities (SURCA) Judge March 28, 2016 and March 27, 2017. Washington State University. Judged the informal poster sessions.
- 2014-Current** Critical Literacies Achievement and Success Program (CLASP), Washington State University.
- 2014** Undergraduate Programs Strategic Planning Committee. School of the Environment, Washington State University.
- 2009-2016** Boy Scouts of America. Merit Badge Counselor for Pullman WA troop 460. Merit Badges: Environmental Science, Fish and Wildlife, Landscape Architecture, Soil and Water Conservation.
- 2010- Current** Missouri Flat Creek Restoration and Eggert Family Organic Farm Palouse Prairie Restoration
- 2010** Destination Imagination Regional Judge.
- 2008-2010** Graduate and Professional Student Association Senator: Events Committee Co-Chair. Also served on the Climate Committee.
- 2010** Demonstration of the Scientific Method using “the black box” first and third grade, Jefferson Elementary, Pullman, WA.
- 2008** Sustainability Activity. Fourth grade, Jefferson Elementary, Pullman, WA.

1992-1998 Boy Scouts of America. Director of Waterfront Programs at Camp Easton and Cub Camp Volunteer.

## GRANTS

- 2016 – Current CO-PI Coeur D’Alene Basin Restoration Trustee Council. William D. Ruckelshaus Center. Funding Agency: Idaho Department of Environmental Quality.
- 2014 – Current CO-I Spokane River Toxics Task Force. William D. Ruckelshaus Center. Funded - Renewed contract for 2017-2018. Funding Agency: Administrative Contracting Entity for the Spokane River Regional Toxics Task Force.
- 2015 CO-I INFEWS/T3 System Dynamics for Nexus Innovations (SD4NEXI). NSF. Not funded.

## PUBLICATIONS

Beall, A. **Whitman K.**, Johnson, J., **2017**. *Environmental Science and Sustainable Solutions Lab Manual*. Third Edition. Great River Technologies, USA (Currently being published)

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.

**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 <http://ruckelshauscenter.wsu.edu/wp-content/uploads/2013/06/AgPilotsFinalReport->

[103009.pdf](#) ( all other reports at <http://ruckelshauscenter.wsu.edu/publications/> )