

CURRICULUM VITAE

NAME: Teresa Cavazos Cohn

DATE: 9/2/2020

RANK OR TITLE: Research Associate Professor, Director of the Taylor Wilderness Research Station

DEPARTMENT: Natural Resources and Society

EDUCATION BEYOND HIGH SCHOOL:

- Fall 2010 Ph.D. Montana State University, Department of Earth Sciences, Geography Dissertation:
Settlement, Identity, and Environment: Understanding Processes of Vegetation Change along the Wind River
- 2000 Schumacher College.
Devon, England. Advisor: Dr. Brian Goodwin
M.Sc. Holistic Science (e.g. complexity and systems theories)
Graduation with Distinction
- 1998 Ft. Lewis College. Coursework in Biology
- 1996 The Colorado College. Colorado Springs, Colorado
Maj. English, Min. Central American Studies, *cum laude*, with Honors

EXPERIENCE:

- 2019- Director, Taylor Wilderness Research Station, University of Idaho.
2020- Research Associate Professor. Department of Natural Resources and Society, University of Idaho.
2014 - 2020 Research Assistant Professor. Department of Natural Resources and Society, Department of
Conservation Social Sciences, University of Idaho.
- 2005-2015 Instructor. Environmental Humanities Graduate Program, The University of Utah.
2013 Adjunct Professor. Biogeography. Department of Earth Sciences, Montana State University.
2010-2013 Postdoctoral Researcher. Big Sky Science Partnership, Montana State University.
2008-2010 Fellow. Science Math Resource Center, Montana State University.
2006-2008 Science and Society Fellow (NSF GK-12). Big Sky Institute, Montana State University.
2005-2006 Teaching Assistant, Physical Geography. Department of Earth Sciences, Montana State
University.
- March 2005 Facilitator. Globalization Course with Jane Goodall. Schumacher College.
2000-2005 Assistant Director. Native Waters Program, Montana State University.
2004-2005 Researcher and Author. Project Archaeology, Montana State University.
2004 Visiting Instructor (Mar. and Oct. 3-week blocks). The Colorado College.
1999 Landscape Ecology Field Assistant, University of Wisconsin and Ft. Lewis College (with Dr. Bill
Romme and Dr. Monica Turner) Yellowstone and Grand Teton National Parks.
- 1997-1998 Instructor. Bi-lingual Education. Colorado Mountain College and Leadville Public Schools.
1997 Intern and Instructor. Crow Canyon Archaeological Center.
1996-1998 Wilderness Ranger. USDA Forest Service. Pike, San Isabel and San Juan National Forests.

TEACHING:

Courses Taught

Department of Natural Resources and Society, The University of Idaho

NRS 565: Science Communication and the Environment (2016-current)

NRS 501: SES, an Integrated Approach (2016-current)

NRS 504: Analysis of Scientific Literature (2015-2016)

NRS 562: Field Science Teaching (2015-current)

CSS 566: Advanced Field Ecology Course Design (Co-taught, Spring, 2015)

Environmental Humanities Graduate Program, The University of Utah

HUM 6103: The Ecology of Residency Field Course (with Terry Tempest Williams, Summer 2010-2015)

EHUM 6804: Tertulia Graduate Seminar (2012-2013)

Department of Earth Sciences, Montana State University

GPHY 411: Biogeography (Spring, 2013)

The Colorado College, Comparative Literature

Stories of Water (2 3-week Blocks, 2004)

Graduate Advisees

University of Idaho—Ph.D./M.S. Natural Resources

Kristin Green, Ph.D. major advisor (current)

Kayla Bordelon, Ph.D. major advisor (current) – Outstanding Graduate Student, College of Natural Resources 2018

University of Idaho—USGS-MOSS PhD Climate Communication Fellows

Caitlin Rushlow (2016)

Ben Soderquist (2016)

Karie Boone (2017)

Ileana Freytes-Ortiz (2017)

Mark Robbins (2017)

University of Idaho – M.N.R. in Environmental Education and Science Communication

Bridget Bradshaw, M.N.R., major advisor, current

Kate Kohut, M.N.R., major advisor, current

Jenny Wolf, M.N.R., major advisor, current

Courney Seufert, M.N.R., major advisor, 2020

Anna Lindquist, M.N.R., major advisor, 2020

Laura Fitzgerald, M.N.R., major advisor, 2020

Jacob Miczulski, M.N.R., major advisor, 2019

Holly Moss, M.N.R., major advisor, 2019

Leslie Pace, M.N.R., major advisor, 2019

Victor Rising, M.N.R., major advisor, 2019

Whitney Chandler, M.N.R., major advisor, 2018

Angela Como, M.N.R., major advisor, 2018

Elizabeth Brown, M.N.R., major advisor, 2018

Holly Coleman, M.N.R., major advisor, 2018

Teresa Vail, M.N.R., major advisor, 2018

University of Idaho – M.N.R in Integrated Natural Resources

Meredith Metsker, M.N.R., major advisor (current)

University of Idaho – M.S. in Natural Resources

Sierra Higheagle, M.S., major advisor, 2020

Micaela Petrini, M.S., major advisor, 2020

Mary Lugg, M.S., major advisor, 2017

Sarah Worthington, M.S., major advisor, 2017

Rachel Stein, M.S., major advisor, 2017

Andrew Stewart, M.S., major advisor, 2017
Carson Mountford, M.S., major advisor, 2017
Keith Bruno, M.S., major advisor, 2016
Jodi Prout, M.S., major advisor, 2016
Allison Fowle, M.S., major advisor, 2016
Sam Stewart, M.S., major advisor, 2016
Luke Stappler, M.S., major advisor, 2016
Arabelle Britton, M.S., major advisor, 2016
Randy Annunziado, M.S., major advisor, 2015
James Casey, M.S., major advisor, 2015
Anna Miller, M.S., major advisor, 2015
Wyatt Vargas, M.S., major advisor, 2015
Mike Wang-Belt, M.S., major advisor, 2015

Graduate Committee Service (Ph.D., M.A. and M.S.)

Smith, Hannah. University of Idaho, PhD committee member, current.
Carter, Marcie. University of Idaho, PhD committee member, current.
Lily Fanuk. University of Idaho, M.S., committee member, 2020
Bass, Kaleb. University of Idaho, M.A. committee member, 2020
Brey, Sarah. M.S. University of Utah, committee member, 2016.
Gallager, Bryna. M.S. University of Utah, committee member, 2016.
Peisner, Ian. M.S. University of Utah, committee member, 2015.
McClane, Michael. M.S. University of Utah, committee member, 2015.
Schmidt, Laura. M.S. University of Utah, committee member, 2014.
Andrews, Emerson. M.S. University of Utah, committee member, 2013.
Peterson, Jesse. M.S. University of Utah, M.S. committee member, 2013.
Sather, Kelsey. M.A. University of Utah, committee member, 2013.
Rothfeder, Robin. M.S. University of Utah, committee member, 2012
Van Dien, Dianne. M.S. University of Utah, committee member, 2012

Student Interns:

Hannah Wilson, University of Idaho, M.S. Summer, 2020

Courses Developed:

Science Communication and the Environment (University of Idaho)
Social-Ecological Systems: An Integrative Approach (University of Idaho)
Analysis of Scientific Literature (University of Idaho)
Tertulia Graduate Seminar (University of Utah)
The Ecology of Residency (University of Utah, with co-instructor Terry Tempest Williams),
Stories of Water (The Colorado College)

Guest Lectures

Digital Storytelling and Tribal Communities. University of Idaho. Indigenous Knowledge for Effective Education Program Fall Retreat. September 16-19, 2020.
Communicating Climate Change. University of Idaho. FISH 526: Climate Effects on Fish and Wildlife Populations. Posted online September 7, 2020.
Science Communication for Public Audiences. University of Montana NASA Space Grant Consortium. June 4th, 2020.
“Wilderness Suite” with composer Ruby Fulton, Ben James, Micaela Petrini and the Icarus Quartet on art science and activism. University of Idaho, Moscow, February 5, 2020.
Malcolm M. Renfrew Interdisciplinary Colloquium. The Confluence Lab. University of Idaho, Moscow, February 4, 2020.
Climate Change Communication. Idaho Fish and Game Annual Meeting. McCall, Idaho, August 14, 2019. Invited.

Interdisciplinary Collaborations at UI. The Confluence Lab opening seminar. Jan 28, 2019. Integrated Research and Innovation Center, University of Idaho.

Communicating Climate. November 14, 2017. Invited Talk (by NASA Earth to Sky). National Association for Interpretation Annual Meeting. Spokane.

“At Work in the Apprehensive Art.” Invited panelist, June 2017. NonfictionNOW. Reykjavik, Iceland.

“Science Communication: Story and Craft.” **Invited keynote**, April 21, 2017. Western Forestry Graduate Research Symposium. Oregon State University.

“Space, Time, and Indigenous Water Resources.” August 21st, 2016. Department of Natural Resources and Society Seminar. University of Idaho.

“Water Justice and Engaged Citizenry.” Farmway Village visiting students. CNR McCall Field Campus. University of Idaho. August 4, 2016.

“Orientation and Creative Cartography.” CNR Taylor Wilderness Research Station Internship Program. University of Idaho. June 10, 2016.

“Storytelling and Science Communication.” University of Idaho Confluence Project. McCall Field Campus. January 23, 2016.

“Methods in Experiential Environmental Education.” Fulbright Enrichment Program on Interdisciplinary Environmental Studies. McCall Field Campus. University of Idaho. November 14th, 2015.

“Picturing Place: Technology and Photograph in Indigenous Place-Based Education.” Tribal Natural Resource Education Summit. University of Idaho. October 1, 2015.

“Culturally Relevant GIS.” Little Big Horn College Agriculture and General Science Courses. Fall 2012.

“Water Geographies and Riparian Change along the Wind River.” *Invited Presentation*, Arapaho Tribal Council. Spring, 2011.

“Rephotography as Assessment of Environmental Change.” Big Sky Science Partnership. Hardin, MT. Fall 2011.

“Integrating Scientific and Cultural Ways of Knowing in Water Education.” University of Colorado Museum, Boulder. 2004

“Developing Water and Cultural Education Programs in the Missouri River Basin.” *Professional Talk*, Mni Sose Intertribal Water Rights Coalition Quarterly Meeting, Lake Traverse Reservation, SD. 2003.

SCHOLARSHIP:

Areas of Specialization: Water Geography (Tribal Water and Hydrosocial Relationships), Participatory Mapping (including PGIS), Science Communication and Education

*Denotes Student

Book:

Cohn, T.C. A Tapestry of Fire. (*Under Contract*, Milkweed Press)

Refereed/Adjudicated Publications:

Berry, K. Cohn, T.C., Whyte, KP. Space, Time and Hydrosocial Imaginaries: Water Quality Governance of the Pyramid Lake Paiute Tribe. The Professional Geographer special issue on Geographies of Imaginaries and Environmental Governance. Invited. (*In Review*)

Uh, C., Eitel, K., **Cohn, T.**, Seven, K., Whitteple, E. Traditional Ecological Knowledge and Technology: Decolonizing Natural Resource Management Outreach. (*In Review*)

Vierling, K.T., Aycrigg, J., **Cohn, T.C.**, Holbrook, J.D., Lorenz, T.J., and Svancara, L. 2021 From the talk to the walk: effective communication makes for effective management. In *Wildlife and Landscapes: Principles and Applications for Landscape Management*. W.F. Porter, C.J. Parent, and D.M. Williams (Eds). John Hopkins University Press. Invited chapter. (*In Press*)

Olsen S., Miller, B.G., Eitel B.K., **Cohn, T.C.** 2020. Assessing Teachers' Environmental Citizenship Based on an Adventure Learning Workshop: A Case Study from a Social-ecological Systems Perspective, *Journal of Science Teacher Education*, DOI: [10.1080/1046560X.2020.1771039](https://doi.org/10.1080/1046560X.2020.1771039)

Berry, K. **Cohn, T.C.**, Oliviera, K, Redman I.M. 2019. Languages and Water: Arapaho and Hawaiian in Handbook of the Changing World Language Map. Ed. Brunn, S. and Kehrein, R. Springer. Doi:10.1007/978-3-319-73400-2_156-1)

Cohn, T.C., Berry, K., Whyte, K.P., Norman, E. 2019. Spatio-temporal conceptions and tribal water quality governance in the United States. *Water*, Special Issue "Water Governance: Retheorizing Politics" *Water* 11, 99. doi:10.3390/w11010099

Berry, K. Jackson S., **Cohn, T.C.**, Matsui K. 2017. Indigenous water histories II; water histories and the cultural politics of water for contemporary Indigenous groups. *Water History*, Special Issue on Indigenous Water History 1-7.

Cohn, T.C., Wyckoff W., Rinella M., Eitel, J. 2016. Seems like I hardly see them around anymore: Historical geographies of riparian forest decline along the Wind River. *Water History*, Special Issue on Indigenous Water History 8(4):405-429.

Matsui, K., Berry, K., **Cohn, T.C.**, Jackson, S. 2016. Indigenous Water Histories I: Recovering Oral Histories, Interpreting Indigenous Perspectives, and Revealing Hybrid Waterscapes. *Water History*, Introduction to Special Issue on Indigenous Water History 8(4):357-363.

Delparte, D.M, Richardson, R., Eitel, K., Matsaw, S., **Cohn, T.** 2016. Promoting Geoscience STEM Interest in Native American Students: GIS, Geovisualization and Reconceptualizing Spatial Thinking Skills. *International Journal of Learning, Teaching and Research* 15(5):1-15.

Redman, I.M., Redman, M., **Cohn, T.C.** 2016. Teiitoniine'etii: to live quietly, live calmly. *Journal of Sustainability Education* 11(February). http://www.jsedimensions.org/wordpress/content/teiitoniineetii-to-live-quietly-live-calmly_2016_03/

Cohn, T.C., Swansen, E., White Man Runs Him, G., Hugs, D., Stevens, L., Flamm, D. 2014. Placing Ourselves on a Digital Earth: Sense of Place Geoscience Education in Crow Country. *Journal of Geoscience Education*. 62(2):203-216.

Cohn, T. 2010. Greater Yellowstone: on Hopeful Geographies and Whole Ecosystems. *Holistic Science Journal* 1(2).

Sachatello-Sawyer B. and **Cohn, T.** 2005. Native Waters: Integrating Scientific and Cultural Ways of Knowing in Summer Youth Camps. *Curator* 48(2): 134-140.

Sachatello-Sawyer B., **Cohn, T.**, and Ewing, S. 2005. Integrating Culture and Science. *Winds of Change* 19(4): 48-51.

Peer Reviewed/Evaluated:

Cohn, T.C. 2013. Review of the Book *A Natural and Human History of the Colorado* by Wade Davis. *Colorado Review*. Spring. <http://coloradoreview.colostate.edu/reviews/river-notes-a-natural-and-human-history-of-the-colorado/>

Cohn, T. 2005. *Discovering Canyons of the Ancients National Monument*. Bozeman: Bureau of Land Management and The Watercourse.

Sachatello-Sawyer B. and **Cohn, T.** 2004. Native Waters: Integrating Cultural and Scientific Ways of Knowing. *ASTC Dimensions* Nov/Dec issue: 10-12.

Cohn, T. and B. Sachatello-Sawyer. 2004. *The Lewis and Clark Educator's Guide*. Bozeman: The Watercourse.

Sachatello-Sawyer B., **T. Cohn**, et al. 2003. *Native Waters, Sharing the Source*. Bozeman: The Watercourse.

De Yonge S., **T. Cohn**, et al. 2001. *Discover a Watershed: the Rio Grande Rio Bravo*. Bozeman: The Watercourse.

Articles in Popular Press:

U of I Project Aims to Teach People about Wildfires through Storytelling. Idaho News 6. August 13, 2020, 5:45: PM <https://www.kivitv.com/ksaw/u-of-i-project-aims-to-teach-people-about-wildfires-through-storytelling>

'Communicating Fire': University of Idaho Project Enhances STEM Learning with Wildfire Stories. University of Idaho News. August 12, 2020. <https://www.uidaho.edu/news/news-articles/news-releases/2020-summer/081220-communicatingfire>

"Interdisciplinary Research Lab Integrates Humanities, Social Sciences and Sciences." University of Idaho College of Letters, Arts, and Social Sciences News. February 2019. <https://www.uidaho.edu/class/english/announcements/confluence>

"Research Aims to Better Understand Tribal Conceptions of Time and Space to Improve Water Governance." University of Idaho College of Natural Resources. *Celebrating Natural Resources* Winter 2018-2019 34:22.

Dodson, D. July 12, 2018. "In Touch with Nature: Program gives Nez Perce students, others a connection with the land." *Star News*, pp. 1-2.

"Helping Communities Understand Climate Change." *Here We Have Idaho*. Spring, 2017.

"Taking Pictures to Make the Words Last Longer." *Mountains and Minds Magazine*. Fall, 2008.

Presentations and Other Creative Activities (i.e. slide sets, web pages, video productions):

Maps

Nez Perce Water Quality Participatory GIS:

<https://uidaho.maps.arcgis.com/apps/StoryMapBasic/index.html?appid=d3b7687fed5641d5ba09232dca33e38b>

Podcasts

*Fowle, A. Franked. Dirtbag Diaries Podcast. February, 2020. <https://dirtbagdiaries.com/the-shorts-franked/>

*Fowle, A. Social Creatures. Out There Podcast: Live Nov 27, 2019. <http://www.outtherepodcast.com/episodes/>

*Bordelon, K. Wonder. Out There Podcast: Live Aug 16, 2018. <http://www.outtherepodcast.com/episodes/>

Videos

Eclipse Solar Science Program,

Spanish: <https://www.youtube.com/watch?v=MQawu9taBug>

English: <https://www.youtube.com/watch?v=765raBS6wqA>

Blogs

Rushlow, C.R.*, Soderquist, B.*, **Cohn T.C.**, Eitel, K. Dec 11-15, 2017. Invited guest post on climate communication in the blog *The Plainspoken Scientist*. American Geophysical Union.

Webinars

Cohn, T.C. "Photography as Pedagogy." Geophotography Webinar Series. Science Education Resource Center. Carlton College. March 2013.

Website

Tribal Water Quality Governance: <https://tribalwater.nkn.uidaho.edu/>
MOSS Adventure Learning Website, and Covid-19 Response:
<https://moss.uidaho.edu/adventure/home>

Storymap

Nimiipuu Perspectives of Water – Kuus, *Sierra Higheagle
Taylor Wilderness Research Station, *Hannah Wilson

Professional Meetings:

Fulton, R. **Cohn, T.C.**, James, B. Wilderness Suite: An Interdisciplinary Exploration of Change in the Big Creek Drainage in the Frank Church River of No Return Wilderness. Organization of Biological Field Stations Annual Meeting. September 17, 2020.

Ladino, J., James, E., **Cohn, T.C.** Climate Sensing and Data Storytelling. Penn State Program in Environmental Humanities. April 25-May 9, 2020. <https://climatesensing.org/>

Berry, K., **Cohn, T.C.**, Higheagle, S., Harry, A. Nez Perce and Pyramid Lake Paiute Water Quality Governance. April 5, 2019. AAG Annual Meeting. Washington D.C.

Eitel, K., **Cohn, T.C.**, Seven, K., Eitel, J., Vierling, L., Uh, C., White Temple, E., Davis, M., Dixon, R., Carter, M. December 10-14, 2018. Integrating Cultural and Scientific Identities at DRONE Camp: An Indigenous Environmental Science Course for High School Students, Abstract ED11C-0736. American Geophysical Union Fall Meeting, Washington, D.C.

Cohn, T.C. Spatio-Temporality and Tribal Water Quality Governance in the United States. October 27, 2018. Association of Pacific Coast Geographers Annual Meeting. University of Nevada-Reno.

*Anderson, K., Bordelon K., **Cohn, T.C.**, Wolfenden, M. October 24, 2018. Communicating the Land: Storytelling through Science and Art. Natural Areas Conference. University of Indiana, Bloomington.

Cohn, T.C. Communicating Climate. November 14, 2017. Invited Talk (by NASA Earth to Sky). National Association for Interpretation Annual Meeting. Spokane.

Bordelon, K.* Communicating Climate and Youth. November 14, 2017. Invited Talk (by NASA Earth to Sky). National Association for Interpretation Annual Meeting. Spokane.

Cohn, T.C., Berry, K., Whyte, K.P., Norman, E. April 8, 2017. Indigenous Water Quality: Decolonizing Space and Time. *Professional Talk*, AAG Annual Meeting. Boston.

Rushlow, C.R.*, Soderquist, B.*, **Cohn T.C.**, Eitel, K. December 12-16, 2016. Recognizing the importance of conversation between experts and non-experts in science communication. *Professional Talk*, AGU Annual Meeting, San Francisco.

Berry, K., Norman, E., **Cohn, T.C.** 2015. Time, Space and Tribal Water Quality Governance: An Actor-Network Approach. *Professional Talk*, AAG Annual Meeting, Chicago, IL.

Cohn, T., Swansen, E., White Man Runs Him, G., Hugs, D., Stevens, L., Flamm, D. 2014. Placing Ourselves in Crow Country: Sense of Place Geoscience Education and a Digital Earth Tool. *Professional Talk*, Geological Society of America (GSA) Annual Meeting, Vancouver, B.C.

Cohn, T. 2011. Settlement, Identity, and Environment: Understanding Processes of Vegetation Change along the Wind River. *Professional Talk*, Association of American Geographers (AAG) Annual Meeting, Seattle, WA.

Cohn, T. 2009. Netniintonoo: Revitalizing the Arapaho Language through Children's Photography. *Professional Talk*, AAG Annual Meeting, Las Vegas, NV.

Cohn, T., et al. 2008. Science and Society in Greater Yellowstone. *Poster*, NSF GK-12 Annual Meeting, Washington D.C.

Lutz, E., **Cohn, T.** and Graumlich, L. 2007. Science and Society Fellows: A GK-12 Program at Montana State University. *Poster*, AAG Annual Meeting, San Francisco, CA.

Cohn, T. and Wyckoff, W. 2007. One Ecosystem, Many Cultures: Making Sense of Greater Yellowstone in the Changing American West. *Professional Talk*, Association of Pacific Coast Geographers Annual Meeting, Long Beach, CA.

Grants and Contracts Awarded:

- 2020 **PI: Teresa Cavazos Cohn** Co-PIs: Erin James, Leda Kobziar, Jennifer Ladino. Communicating Fire: Integrative Learning through Participatory Narratives. National Science Foundation, Advancing Informal STEM Learning. \$299,911
- 2020 PI: Ruby Fulton Co-PIs: Ben James, **Teresa Cavazos Cohn**. Wilderness Suite. UI Presidential Sustainability Initiative. \$9,243.
- 2020 PI: Mary Engels Co-PI: **Teresa Cavazos Cohn**. Sustaining the Taylor Wilderness Research Station through Collaborative Water Research. UI Presidential Sustainability Initiative. \$19,968.
- 2020 PI: Lee Vierling Co-PIs: Timothy Link, Karla Eitel, Travis Paveglio, **Teresa Cohn**, Mary Engels, Mark Wolfenden, Jan Eitel. Team Sinew: Sustaining Idaho's Needs in Environment and Water. UI Presidential Sustainability Initiative. \$13,315.
- 2019 PI: **Teresa Cavazos Cohn**, Taylor Wilderness Research Station Battery Replacement Project. University of Idaho Office of Research and Economic Development. \$9,317.
- 2019 PI: Karla Eitel, **Co-PI: Teresa Cavazos Cohn**, Mark Wolfenden, Jan Eitel. UI ORED Building STEM Identity through the Use of Science Tools. \$14,009.
- 2019 **PI: Teresa Cavazos Cohn**, Co-PI Kayla Bordelon. Formation of Earth to Sky Idaho Regional Hub for Climate Communication. NASA Idaho Space Grant Consortium. \$7,759
- 2018 **PI: Teresa Cavazos Cohn**, Co-PIs: Susan McIlroy (USGS, Boise) and Yolonda Youngs (ISU). Social and Ecological Change in the Frank Church Wilderness through Rephotography. DeVlieg Foundation. \$50,000
- 2018 Co-founder: Jennifer Ladino and Erin James **Teresa Cavazos Cohn**. Confluence Lab. Interdisciplinary Project based in the Integrated Research and Innovation Center. University of Idaho. \$2000 start-up funds from the Office of Research and Economic Development.
- 2017 **PI: Teresa Cavazos Cohn**. 2017 Eclipse Solar Science Program. NASA Idaho Space Grant Consortium. \$35,411
- 2016 **PI: Teresa Cavazos Cohn**. Co-PIs: Kate Berry, Kyle Whyte. Decolonizing Space and Time: Tribal Water Quality Governance. NSF Geography and Spatial Sciences \$300,007.

- 2016 PI: Karla Eitel, **Co-PI: Teresa Cavazos Cohn**. NSF ITEST: Building STEM Identity in Native American Students with UAV Technology. National Science Foundation, \$1,101,489.
- 2008 Co-PI: EPA Environmental Education Grant, Wyoming Indian Elementary School, \$41,800.
- 2008 Teton County Public Library support for *Netniintoonoo* Arapaho Language Revitalization Program, \$2000.
- 2006 Fellow. National Science Foundation. GK-12 Science and Society Fellows: Partnering with Rural Schools in the Greater Yellowstone Ecosystem. Big Sky Institute, Montana State University, \$80,000.
- 2001 Senior personnel. Native Waters. National Science Foundation, Informal Science Education. Montana State University.

Honors and Awards:

- University of Idaho Excellence in Teaching Award, 2020, \$5000
- Invited “Innovator in Residence.” Center for Innovation and Creativity. The Colorado College. (Invited, 3-week residency 2020)
- Rocky Mountain Biological Laboratory, Visiting Scientist Fellowship, 2015
- Science and Society Fellowship (NSF GK-12), Big Sky Institute, MSU, 2006-2008, \$80,000
- Fellow, Center for Learning and Teaching in the West, MSU, Summer-Fall 2008, \$13,000
- The Wyoming Nature Conservancy Research Support, Summer 2006, \$2000
- The Water Center Fellowship, MSU, 2006, \$1000
- Travel Grant, College of Letters and Science, MSU, Spring 2009, \$450
- Student Choice Award, MSU Earth Sciences Colloquium, 2007, \$300
- Travel Grant, Big Sky Institute, MSU, Fall 2010, \$200
- Writing Fellowship, Vermont Studio Center, October 2006
- Big Sky Institute Science and Society Fellow, MSU, 2004

SERVICE:

University of Idaho:

- 2020 University of Idaho College of Natural Resources Leadership Team
- 2018 Dean of the College of Natural Resources Search Committee, University of Idaho
- 2018 National Institute of Food and Agriculture (NIFA) 1994 Land Grant Institution Review Panel: Tribal College Research, June
- 2016-2017 Search Committee Interdisciplinary Water Sciences Faculty Hire, Department of Natural Resources and Society and Water Resources Program, University of Idaho

Reviewer:

- Water Alternatives*
- Journal of Sustainability Education*
- Society and Natural Resources*
- Invited Guest Editor, *Water History* special issue Indigenous Water Histories
- Journal of Geoscience Education*

Professional and Scholarly Organizations:

- Association of American Geographers
- Association of Pacific Coast Geographers
- Idaho Diversity Network
- Water Resources Program, University of Idaho

Outreach Service:

- 2020 City of McCall-McCall Outdoor Science School Partnership on Climate Action Plan
- 2019 NASA Earth to Sky Climate Communication Academy – Development of Idaho Regional Science Communication Hub
- 2019 McCall-Donnelly High School curriculum support
- 2018-2019 Science Communication support for One Stone Charter School, Boise, ID.

2015-Current Science Communication Support for McCall Outdoor Science School K-Grad+ programs.
 2017-2018 Instructor and facilitator “Drone Camp” for Nez Perce youth, McCall Outdoor Science School.
 2018 Valley County sustainable food systems support
 2017 NASA Earth to Sky Climate Change Communication pre-conference NAI workshop planning and facilitation (Invited)
 2017 Boise WaterShed. Development of pollinator garden and related science communication materials.
 2017 Organizer of McCall Outdoor Science School Eclipse Solar Science Program, serving Latino youth.
 Spanish: <https://www.youtube.com/watch?v=MQawu9taBug>
 English: <https://www.youtube.com/watch?v=765raBS6wqA>
 2016-2017 Science education assistance, Arapahoe Middle School, Arapahoe, WY.
 2015-2017 Participation and student advising for the EPSCoR MILES Adventure Learning professional development programs for teachers.
 2015-2017 Oxbow Farm and Education Center outreach program and student assessment development.
 2015-2017 EPSCoR MILES Adventure Learning program support, Boise River and Portneuf River sites.
 2016-2017 Solar Eclipse Event, 48 Latino students from Nampa/Caldwell Housing Authority, McCall Field Campus/Outdoor Science School
 2016 NASA Earth to Sky/NASA ABoVE Climate Science Communication course organization. Northwest Territories, CA.
 2015-2016 Educational Collaboration with Northern Arapaho educators on digital storytelling
 2015-2016 Facilitation of collaborative program between the McCall Outdoor Science School, Oxbow Farm and Conservation Center, and the Burke Museum on Native Plants communication and education and Sustainable Agriculture Education Programs.
 2015-2016 Collaboration between the McCall Outdoor Science School and the University of Idaho’s CNR Taylor Wilderness Field Station in science communication and bioacoustics.
 2015 CNR representative at a meeting with tribal liaison Yolonda Bisbee and the Muckleshoot Tribe. Washington. November 17, 2015.
 2015 Support for student presentations at the Idaho Environmental Education Association annual conference. March 16-17, 2015.
 2010-2013 Development of Crow culture and Earth Science education materials. Crow Indian Reservation, MT.
 2010-2011 Invited Speaker. Los Alamos High School. AP Human Geography Class.
 2008-2010 Development of the *Netniintonoo* Arapahoe Language Revitalization Children’s Photography Project, Wind River Indian Reservation, WY
 2008 Development of the Wyoming Indian Elementary School After School Ecology Program.
 2006-2008 Instruction of culturally relevant water science classes, Wyoming Indian Elementary School, Ft. Washakie School

PROFESSIONAL DEVELOPMENT:

Compass Science Communication Training, March 20-22, 2019.
 American Institute of Biological Sciences Science Communication Policy Training, April 16-18, 2018.
 Wilderness First Responder Certification, December 2017-Present.
 Digital Storytelling Workshop. Center for Digital Storytelling, Denver, CO, July 2015.
 NASA Earth to Sky Climate Change Science and Communication, Anchorage, AK, 2015.
 Crisis and Creativity Interdisciplinary Symposium (Invited), Colorado State University, July 2015.