

Kristen Mannix Kaczynski, PhD

Earth and Environmental Sciences Department
California State University, Chico
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PROFESSIONAL APPOINTMENTS

California State University - Chico, Chico, California
Associate Professor, Department of Earth and Environmental Sciences Aug 2019-present
Research Development Director, Ecological Reserves Aug 2019-Dec 2020
Assistant Professor, Department of Geological and Environmental Sciences Aug 2015-Aug 2019

Colorado State University, Fort Collins, Colorado
Postdoctoral Fellow, Department of Forest and Rangeland Stewardship 2013-2015

Front Range Community College, Fort Collins, Colorado
Adjunct Faculty, Geography Department Spring 2015

Colorado State University, Fort Collins, Colorado
Instructor, Department of Bioagricultural Sciences and Pest Management Spring 2014

EDUCATION

Ph.D. 2013	Colorado State University	Ecology
M.A. 2007	University of Colorado, Boulder	Geography
B.S. 2001 (<i>cum laude</i>)	University of Vermont	Terrestrial Ecology

PUBLICATIONS

Manuscripts published and in review

indicates * undergraduate or + graduate student mentee

J.C. Luong, **K.M. Kaczynski**, and K.M. Byrne. Divergent drought responses and an ecological surprise in two sagebrush steppe plant communities. In review. *Ecosphere*.

Weinberger, H.+ and **K.M. Kaczynski**. 2022. Dozer lines influence post-fire plant community recovery. *Madroño* 69(1):74-87.

Hiney, D.*, **K.M. Kaczynski**, and A.I. Banet. 2018. Using citizen science to estimate the Coastal Rainbow Trout population of Grass Valley Creek Reservoir. *California Fish and Game* 104(2):75-85.

Kaczynski, K.M., E.A. Gage and D.J. Cooper. 2018. Evaluating success of alternative restoration methods for riparian willows: seeding and ungulate exclosures. *Ecological Restoration* 36(2):127-133.

Cooper, D.J., **K.M. Kaczynski**, J. Sueltenfuss, S.Gaucherand, and C. Hazen. 2017. Long-Term Restoration Processes in Mountain Wetlands: The Role Of Hydrologic Regime And Plant Introduction After 15 Years, Telluride, Colorado, U.S.A. *Ecological Engineering* 101:46-59.

Cooper, D.J., **K.M. Kaczynski**, D. Slayback, and K. Yager. 2015. Growth, production, and short-term peat accumulation in *Distichia muscoides* dominated bofedales, Bolivia, South America. *Arctic, Antarctic and Alpine Research* 47(3): 99-104.

Kaczynski, K.M. and D.J. Cooper. 2015. Determining the timing of willow shrub dieback using epicormic shoots. *Wetlands Ecology and Management*. 23(2): 319-323.

Kaczynski, K.M. and D.J. Cooper. 2015. Post-fire response of riparian vegetation in a heavily browsed environment. *Forest Ecology and Management* 338: 14-19.

Kaczynski, K.M., D.J. Cooper, and W.R. Jacobi. 2014. Interactions of sapsuckers and Cytospora canker can facilitate decline of riparian willows. *Botany* 92: 485-493.

Kaczynski, K.M. and D.J. Cooper. 2013. Susceptibility of *Salix monticola* to Cytospora canker under increased temperatures and decreased water levels. *Forest Ecology and Management* 305: 223-228.

Kaczynski, K.M., S.W. Beatty, J.W. van Wagendonk, K.N. Marshall. 2011. Burn severity and non-native species in Yosemite National Park, California, USA. *Journal of Fire Ecology* 7(2) doi: 10.4996/fireecology.0702145

Manuscripts in prep

D.J. Cooper, E.W. Schweiger, J.R. Shaw, C. Westbrook, **K.M. Kaczynski**, H. Abouelezz, S. Esser, K. Nydick, B. Baker, R.A. Chimner. Riparian Ecosystem Collapse in the Colorado River Headwaters. In prep. *Conservation Biology*.

Peer Reviewed Book Chapters

Cooper, D.J., S.Gaucherand, **K.M. Kaczynski**, A. Borkenhagen, and G. McKenna. 2014. Chapter 4: Lessons from Oil Sands and International Wetland Reclamation and Restoration Projects: A Selective Literature Review. In T. Charette (ed). *Wetland Establishment on Reclaimed Oil Sands Leases in Alberta Canada. Cumulative Environmental Management Association*.

Published Teaching Materials

Kaczynski, K.M. 2023. *MS Excel Refresher - Lizards, iguanas, and snakes! Oh my! | Data Nuggets*. <https://qubeshub.org/publications/3632/1>

Kaczynski, K.M. 2022. *Home sweet home for warblers: Graphing and Analysis using R*. <https://qubeshub.org/publications/2928/1>

Kaczynski, K.M. 2019. Exploring the population dynamics of wintering bald eagles through long-term data using R. <https://qubeshub.org/qubesresources/publications/1158/1>

Kaczynski, K.M. 2019. Investigating human impacts on stream ecology: Intro to R. <https://qubeshub.org/qubesresources/publications/1144/1> *selected as QUBES Resource of the Week on May 21, 2019

Kaczynski, K.M. 2018. A modification to *City Parks*.
<https://qubeshub.org/publications/195/1>

Kaczynski, K.M. 2017. A modification to *What do Trees Know about Rain?*
<https://qubeshub.org/publications/196/1>

TEACHING

California State University, Chico

Introduction to Environmental Sciences (GEOS 130)	F 2015 - 2018
Principles of Environmental Science (GEOS/ERTH 165)	F 2019 - 2022
Earth Systems Science (GEOS 300)	F 2015, 2017, S 2018
Applications of Environmental Science (GEOS 365)	S 2016, 2018, 2019
Recovery of Altered Ecosystems (GEOS/ERTH 352)	S 2021, 2022
Wetlands Ecology and Management (GEOS/ERTH 430)	S 2017, F 2019, F 2022
Applied Ecology (GEOS/ERTH 536)	S 2016 - 2022
Senior Seminar (GEOS 575)	S 2019, 2020
Independent research (GEOS 399/499/599)	F 2016, 2017, S 2017
Graduate seminar I (GEOS 600)	F 2020, 2021
Advanced Topics in Envir Science (GEOS/ERTH 625)	S 2017, 2018, F 2022

Instructor, Front Range Community College, Larimer Campus

Weather and Climate (GEO 112)	S 2015
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Instructor, Colorado State University

Ecology (LIFE 320)	S 2014
Biological Diversity (NR 300)	S 2013
Integrated Ecosystem Management (NR 420)	S 2012, F 2012

Teaching Assistantships

Colorado State University: Integrated Ecosystem Management (NR420), Public Relations in Natural Resources (NR400)	2007-2011
University of Colorado, Boulder: Climate and Vegetation (GEOG 1001), Landscapes and Water (GEOG 1011)	2005-2006

ADVISING

Master's Thesis Advising

Chair

Sara Jones, CSU Chico, MS Wildland Mgmt (Interdisciplinary)	2023 - present
Gunner Michaelson, CSU Chico, MS Environmental Science	2023 - present
Ryan Turner, CSU Chico, MS Wildland Mgmt (Interdisciplinary)	2023 - present
Kaylie DeLuca, CSU Chico, MS Plant Ecology (Interdisciplinary)	2021 - present
Lillian Trejo, CSU Chico, MS Wildland Mgmt (Interdisciplinary)	2020 - present
Claire-Marie Kooi, CSU Chico, MS Environmental Science	2020 - 2023

Cassie Corridoni, CSU Chico, MS Wildland Mgmt (Interdisciplinary)	2021 - 2023
Mikala Tator, CSU Chico, MS Environmental Science	2021 - 2023
Holly Swan, CSU Chico, MS Natural Resources Mgmt (Interdisciplinary)	2020 - 2022
Matthew Mayer, CSU Chico, MS Environmental Science	2019 - 2022
Hannah Weinberger, CSU Chico, MS Environmental Science	2017 - 2020
Lexi Thornton, CSU Chico, MS Environmental Science	2016 - 2018
Allen LaGrange, CSU Chico, MS Environmental Science	2016 - 2018

Committee member

Tawny Bolinas, CSU Chico, MS Biological Sciences	2023 - present
Marian Fumari, CSU Chico, MS Wildland Mgmt (Interdisciplinary)	2021 - present
Nichole Hadler-Marsden, MS Environmental Science, PSM	2020 - present
Emily Sheydeyi, CSU Chico, MS Biological Sciences	2021 - 2023
Raquel Krach, CSU Chico, MS Interdisciplinary program	2020 - 2023
Megan Luke, CSU Chico, MS Interdisciplinary program	2017 - 2022
Jessica Shippen, CSU Chico, MS Interdisciplinary program	2020 - 2021
Ian Brinkmann, CSU Chico, MS Environmental Science	2015 - 2020
Fletcher Alexander, CSU Chico, MS Environmental Science, PSM	2017
Jessica Kolstad, CSU Chico, MS Geosciences	2016

Undergraduate Honors Research Advising

Bryan Steurer, CSU Chico, BS Environmental Science - Applied Ecology	2022 - 2023
Natalie Pangilinan, CSU Chico, BS Environmental Science - Applied Ecology	2021 - 2022
Heather Pendleton, CSU Chico, BS Environmental Science - Applied Ecology	2020 - 2021
Max Claret, CSU Chico, BS Environmental Science - Applied Ecology	2020 - 2021
Jimmy Monge, CSU Chico, BS Environmental Science - Applied Ecology	2016 - 2017
Lexi Smith, CSU Chico, BS Environmental Science - Applied Ecology	2016 - 2017
Emily Welemin, CSU Chico, BS Environmental Science - Applied Ecology	2015 - 2016
Leorah McGinnis, Colorado State University, BS Zoology	2014 - 2015

GRANTS

Funded Research Grants and Contracts

2023-2027	CSU, Chico Ecological Reserves: Prescribed Fire Research Program. Department of Forestry and Fire Protection (Cal Fire). \$1,260,569. (co-PI with Don Hankins and Eli Goodsell)
2022-2023	Assessing ecosystem function after restoration and wildfire in a wet meadow complex. Research, Scholarly and Creative Activities, CSU Chico. \$6253.
2021-2023	Examining vegetation recovery of dozer lines: Are non-native species a long-term impact? submitted to Agricultural Research Institute (Chico State Campus). \$51,635
2020-2023	Post-fire vegetation recovery in dozer lines. \$57,159. Bureau of Land Management.

- 2020-2021 Long term changes in wetland and riparian areas in Rocky Mountain National Park, Colorado. \$15,000. Submitted October 5, 2019 to the Continental Divide Learning Center (with 9 other researchers) ***Field work postponed to 2021 due to COVID 19***
- 2017-2018 Assessing Vegetation, Water Levels and Carbon Accumulation after Restoration in Drakesbad Meadow, Lassen Volcanic National Park. Research, Scholarly and Creative Activities, CSU Chico. \$5975.
- 2016-2020 BLM OR-WA Drought and Sagebrush: Management Implications. International Drought Experiment (IDE) Network. Bureau of Land Management, \$103,814. (co-PI with K.M. Byrne)
- 2014-2017 Active restoration of riparian willows after fire in Rocky Mountain National Park, Colorado. National Park Service, Rocky Mountain National Park. \$29,378. (PI with D.J. Cooper)
- 2013-2015 Restoration of riparian willows in Rocky Mountain National Park, Colorado. National Park Service, Rocky Mountain National Park. \$74,255 (PI with D.J. Cooper)
- 2013-2014 Causes of riparian willow dieback in the Bighorn National Forest, WY. US Forest Service, Bighorn National Forest. \$10,000. (PI with D.J. Cooper)
- 2010-2012 Investigating willow decline in Rocky Mountain National Park, National Park Service, Rocky Mountain National Park. \$37,858. (co-PI with D.J. Cooper)
- 2009-2011 The Effects of Multiple Disturbance Interactions on Tropical Montane Forests in the Dominican Republic. NSF Doctoral Dissertation Research Improvement grant. \$11,195 (declined) (co-PI with P.H. Martin)
- 2005-2007 Investigating the relationship between burn severity and invasive plant species. National Park Service, Sierra Nevada Inventory and Monitoring. \$43,927. (co-PI with S.W. Beatty)

Funded Education Grants and Subcontracts

- 2020-2021 Improving student success in the new Environmental Science curriculum. \$23,555. Submitted to California State University Chico (Student Success Proposal and Teagle Grant) (with S.D. Mayor)
- 2016-2017 Sense of Place III. Campus as a Living Lab Grant Program. California State University, Office of the Chancellor. \$38,700. (Faculty Lead with F.K. Alexander)
- 2016 CELT Learning Enhancement Grant for lab redesign of Introduction to Environmental Science (GEOS 130). \$5,000 (Faculty Lead)
- 2016 Urban Forestry component of the South Campus Neighborhood Project, subcontract through Institute for Sustainable Development, CSU-Chico. \$2076. (Faculty collaboration: A.I Banet, **K.M. Kaczynski** and C. Hatfield)

2016 LEEF Licor educational grant (\$24,962) and Student Learning Fee funds from California State University, Chico (\$34,022) to purchase a Licor 6400XT. (Faculty Lead)

AWARDS AND FELLOWSHIPS

Ecological Society of America Education Scholar	2019
Best Graduate/Faculty Research poster at College of Natural Sciences Poster Session (People's Choice award)	2019
Ecological Society of America Education Scholar	2017
Paul Persons Sustainability Award - California State University, Chico	2017
Best Undergraduate/Faculty Research poster at College of Natural Sciences Poster Session (People's Choice award)	2017
Best Undergraduate/Faculty Research poster at College of Natural Sciences Poster Session (Judged)	2016
Rocky Mountain Cooperative Ecosystems Studies Unit student award	2012
George Melendez Wright Climate Change Fellowship (\$19,684)	2011 - 2012
SoGES Environmental Science Communication Fellowship	2011 - 2012
George M. Van Dyne Memorial Scholarship, Colorado State University (\$2200)	2010 - 2012
Colorado Mountain Club Foundation Scholarship (\$1000)	2010
John Marr Scholarship, Colorado Native Plant Society (\$1000)	2010
Bailey Fellowship, Rocky Mountain Nature Association (\$9000)	2009
Graduate Research Fellowship, Colorado State University (\$3000)	2007
Graduate Research Fellowship, University of Colorado, Boulder (\$3000)	2005
Excellence in Service Award, National Park Service, Yosemite National Park	2005
Certificate of Merit, Forest Service, Shasta Trinity National Forest	2001

GRANTS/AWARDS RECEIVED BY MENTORED STUDENTS

2022	Bryan Stuerer, Honors student, Student Award for Research & Creativity, CSU-Chico, \$250
2022	Kaylie DeLuca, Master's student, Student Research Scholarship, Northern California Botanists, \$1000
2022	Kaylie DeLuca, Master's student, Jim Jokerst Field Botany Award, Friends of the Chico State Herbarium, \$516
2022	Holly Swan, Master's student, Center for Water and Environment Student Research Award, CSU-Chico, \$1000
2021	Claire Monahan, Undergraduate researcher, Jim Jokerst Field Botany Award, Friends of the Chico State Herbarium, \$1000
2021	Max Claret, Honors student, Student Award for Research & Creativity, CSU-Chico, \$800
2020	Lillian Trejo, Master's student, Adelante Summer Researcher Program, CSU-Chico, \$4800
2020	Matt Mayer, Master's student, Center for Water and Environment Student Research Award, CSU-Chico, \$1000
2020	Matt Mayer, Master's student, Student Award for Research & Creativity, CSU-Chico, \$2500

- 2018 Hannah Weinberger, Master's student, Student Award for Research & Creativity, CSU-Chico, \$1700
- 2017 Lexi Thornton, Master's student, GIS creativity award, Behavioral & Social Sciences, CSU-Chico, \$900
- 2017 Allen LaGrange, Master's student, Student Award for Research & Creativity, CSU-Chico, \$2092
- 2016 Jimmy Monge, Undergraduate student, Society of Wetland Scientists Multicultural Mentoring Program (SWaMMP), selected as an alternate
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INVITED TALKS

2023

Riparian Vegetation Response to Fire and Implications for Restoration. Rocky Mountain National Park Winter Science Symposium. *virtual*

2020

Kaczynski, K.M., D.M. Schook, and D.J. Cooper. Monitoring Short- and Long-term Vegetation Changes Following Wet Meadow Restoration. Northern California Botanists Symposium, Chico, CA

2017

Riparian vegetation response to disturbances and strategies for restoration. Department of Biological Sciences Spring 2017 seminar series. California State University, Chico.

2014

Short term response of riparian vegetation to fire in a heavily browsed environment. NREL Spring 2014 speaker series.

2012

Why are the willows dying in Rocky Mountain National Park? Science Behind the Scenery speaker series, Rocky Mountain National Park.

2011

Why are the willows dying in Rocky Mountain National Park? Forest and Rangeland Stewardship Department seminar, Colorado State University.

What's happening to the willows? Interactions of stressors leading to willow decline in Rocky Mountain National Park. Science Behind the Scenery speaker series, Rocky Mountain National Park.

UPDATE: What we're finding out about the willow decline. Rocky Mountain National Park, Interpretation Staff Training.

What's happening to the willows? Interactions of stressors leading to willow decline in Rocky Mountain National Park. Society of Wetland Scientists, Denver Chapter Speaker Series.

2010

Willow decline in Rocky Mountain National Park: Investigating the interactions of drought stress, ungulate browsing, sapsuckers, and *Cytospora* spp. Rocky Mountain National Park, Interpretation Staff Training.

Willow decline in Rocky Mountain National Park: Investigating the interactions of drought stress, ungulate browsing, sapsuckers, and *Cytospora* spp. Saturday evening presentation, Rocky Mountain National Park.

2009

Willow decline in Rocky Mountain National Park: Investigating the interactions of drought stress, ungulate browsing, sapsuckers, and *Cytospora* spp. Brown Bag presentation, Rocky Mountain National Park.

SELECTED CONFERENCE PRESENTATIONS

*indicates undergraduate or + graduate student mentee

2023

Kaczynski, K.M. Dozer line impacts to post-fire vegetation recovery. 10th International Fire Ecology and Management Congress. Monterey, CA.

Nielsen, S.*, K. DeLuca+, and **K.M. Kaczynski**. The Dirt on Wet Meadow Restoration: Changes in Carbon Sequestration. California Society for Ecological Restoration (SERCAL). Davis, CA

Kaczynski, K.M., D.M. Schook, and D.J. Cooper. Long-term Vegetation Changes Following Wet Meadow Restoration. California Society for Ecological Restoration (SERCAL). Davis, CA.

2022

Mayer, M.+ and **K.M. Kaczynski**. Dozer line impacts on local vegetation recovery after the Carr Fire. Northern California Botanists Symposium, virtual conference. *1st place in student poster contest*

2021

Weinberger, H.+ , C. Monahan*, and **K.M. Kaczynski**. Slowed obligate seeder recovery post-fire in dozer lines. 9th International Fire Ecology and Management Congress, virtual conference.

2020

Weinberger, H.+ and **K.M. Kaczynski**. Dozer Line Post-fire Plant Community Recovery. Northern California Botanists Symposium, Chico, CA

C. Monahan*, H. Weinberger+, and **K.M. Kaczynski**. Post-fire Woody Seedling Regeneration: Impacts from Dozer Lines. Northern California Botanists Symposium, Chico, CA

2019

Weinberger, H.+ and **K.M. Kaczynski**. Dozer Line Post-fire Plant Community Recovery. 8th International Fire Ecology and Management Congress, Tucson, AZ.

Weinberger, H.⁺ and **K.M. Kaczynski**. Post-fire Plant Trajectory and Fuel Break Restoration. California Society for Ecological Restoration, Santa Barbara, CA.

Thornton, A.⁺ and **K.M. Kaczynski**. Mapping Risk for *Phytophthora ramorum* with an Anthropogenic Focus. Northern California Botanists Symposium, Chico, CA.

Weinberger, H.⁺ and **K.M. Kaczynski**. Plant Recovery Trajectory in the Southwestern Cascade Foothills. Northern California Botanists Symposium, Chico, CA.

2018

Kaczynski, K.M., D.M. Schook, J. Shippen*, and D.J. Cooper. Monitoring Short- and Long-term Vegetation Changes Following Wet Meadow Restoration. Society of Wetland Scientists and Society for Ecological Restoration Joint Regional Conference, Spokane, WA.

Thornton, A.⁺ and **K.M. Kaczynski**. Mapping Risk for *Phytophthora ramorum* with an Anthropogenic Focus. Society for Conservation GIS annual conference, Monterey, CA.

LaGrange, A.⁺, **K.M. Kaczynski**, J. Shaw, and K. Bovee. Response of Wet Meadow Vegetation along a Hydrological Gradient after Passive Restoration. California Society for Ecological Restoration Annual Conference, San Diego, CA.

Kaczynski, K.M., J. Shippen*, and D.M. Schook. Monitoring Short- and Long-term Vegetation Changes Following Wet Meadow Restoration. California Society for Ecological Restoration, Annual Conference, San Diego, CA

2017

Kaczynski, K.M. Engaging students in Introduction to Environmental Science. CELT conference, California State University, Chico, Chico, CA

Kaczynski, K.M. and D.L. Kotter. Large-scale willow restoration in Moraine Park. Rocky Mountain National Park research conference, Estes Park, CO.

Smith, A.J.* , **K.M. Kaczynski**, and M. Rogner. Monitoring native forb restoration at a Sacramento River gravel bar site: Improving methods for the future. Northern California Botanists Symposium, California State University, Chico, Chico, CA

Kaczynski, K.M. and K.M. Byrne. Predicting changes in California's diverse habitats: Introducing the ORIDE climate change experiment. Northern California Botanists Symposium, California State University, Chico, Chico, CA

2016

Banet, A.I. and **K.M Kaczynski**. Environmental stressors on aquatic and riparian ecosystems. This Way to Sustainability Conference. California State University, Chico, Chico, CA.

2015

Kaczynski, K.M. and D.J. Cooper. Riparian vegetation response to fire and strategies for restoration. High Altitude Restoration and Society of Ecological Restoration conference. Colorado State University, Fort Collins, CO.

Kaczynski, K.M. and D.J. Cooper. Riparian vegetation response to the Fern Lake Fire and strategies for restoration. Rocky Mountain National Park research conference. Estes Park, CO.

Borkenhagen, A., D.J. Cooper, and **K.M. Kaczynski**. Nikanotee Fen: Vegetation Establishment Update. Oral presentation at 21st Annual Peatland Ecology Research Group Symposium. Waterloo, Ontario. (A. Borkenhagen presented)

Cooper, D.J., A. Borkenhagen and **K.M. Kaczynski**. Nikanotee fen wetland watershed: Ecological Research update. Invited Talk at 2015 COSIA Land EPA Workshop. Calgary, Alberta. (D.J. Cooper presented)

2012

Kaczynski, K.M. and D.J. Cooper. Willow community collapse: Interactions of Ungulate Browsing, Native Birds and Fungi in the Decline of Riparian Willows, Oral presentation at the 97th Ecological Society of America annual meeting, Portland, OR.

Kaczynski, K.M., D.J. Cooper, and W.R. Jacobi. 2012. Willow Community Collapse: Interactions of Ungulate Browsing, Native Birds and Fungi in the Decline of Riparian Willows, oral presentation at 6th biennial Rocky Mountain National Park Research Conference, Estes Park, CO

Kaczynski, K.M., D.J. Cooper, and W.R. Jacobi. 2012. Interactions of Ungulate Browsing, Native Birds and Fungi in the Decline of Riparian Willows, oral presentation at 18th annual Front Range Student Ecology Symposium, Colorado State University
**received 2nd place graduate oral presentation Front Range Student Ecology Symposium*

2010

Kaczynski, K.M., D.J. Cooper, and W.R. Jacobi. Willow decline in Rocky Mountain National Park: Investigating the interactions of drought stress, ungulate browsing, sapsuckers, and *Cytospora* spp. Oral presentation at the 95th Ecological Society of America annual meeting, Pittsburgh, PA.

2007

Kaczynski, K.M., S.W. Beatty, J.W. van Wagtenonk. Non-native plants as a function of burn severity: A case study in Yosemite National Park, CA, The George Wright Society Biennial Conference, St. Paul, Minnesota

2006

Kaczynski, K.M., S.W. Beatty, J.W. van Wagtenonk. 2006. Non-native plants in burned areas as a function of burn severity: a model for early detection monitoring, 3rd International Fire Ecology and Management Congress, San Diego, CA

RELATED EXPERIENCE

Colorado State University, Fort Collins, CO
Graduate Research Assistant

Jan 2009 - Dec 2012

University of Colorado, Boulder, CO
Graduate Research Assistant

Aug 2005 - Aug 2007

National Park Service, Sierra Nevada Inventory and Monitoring, El Portal, CA Data Technician	Oct 2004 - May 2005
Sequoia and Kings Canyon National Parks, Three Rivers, CA Vegetation Mapper	Apr 2004 - Sept 2004 Apr 2003 - Oct 2003
Hubbard Brook Experimental Forest, Durham, NH Hubbard Brook and Ice Storm Regeneration Field Technician	May 2002 - Jan 2003
Shasta Trinity National Forest, Weaverville, CA Botanist	July 2001 - Dec 2001

SERVICE

Board of Directors, Northern California Botanists	2019-present
Associate Editor, Ecological Restoration	2017-present
Graduate Council, Chico State University	2017-present
Arboretum Committee, Chico State University	2017-present
Search Committee, Plant Physiology (Biological Sciences Department)	2021-2022
Department Representative, Center for Water and the Environment, Chico State	2020-2022
Search Committee, Ecohydrology (Geological & Environmental Sciences Department)	2021
Graduate Coordinator, Geosciences & Environmental Sciences	2020-2021, 2022
Graduate Coordinator, Environmental Sciences PSM program	2017-2020
Executive Planning Committee, This Way to Sustainability Conference	2017-2018
College of Natural Sciences Poster Session committee, California State University, Chico	2016, 2017
Search committee - Science Education Environmental Science Faculty position	2016-2017
Student Learning Fee proposal review, California State University Chico	2015-2016
Academic Advising, Environmental Science - Applied Ecology option, California State University Chico	2015-present
Reviewer: <i>Journal of Applied Ecology, Fire Ecology, Ecology & Evolution, Plant Ecology, Wetlands, Wetlands Ecology & Management, Freshwater Science</i> , George Melendez Wright Climate Change fellowship proposals	2013 - present
Rocky Mountain National Park Elk-Vegetation Management five year review workshop participant	Fall 2014
Rice Elementary School science fair judge, Wellington, CO	Spring 2012
Nominated and hosted Graduate Degree Program in Ecology Distinguished Alumna (Dr. Cherie Westbrook)	Fall 2011
Treasurer, Front Range Student Ecology Symposium	2010 - 2011
Chair of Fundraising Committee, Front Range Student Ecology Symposium	2008 - 2010
Mentor, Undergraduate Research Opportunities (UROP), University of Colorado	2005 - 2006

CERTIFICATIONS

Basic 32 - Wildland Firefighter Type II Fall 2023

PROFESSIONAL DEVELOPMENT AND TRAINING

EREN-NEON-EDDIE NSF workshop. virtual. Summer 2021
Promoting Active Learning Online ACUE microcredential course Fall 2020
Data Exploration QUBES Faculty Mentoring Network Spring 2019
Data Nuggets and QUBES Faculty Mentoring Network Fall 2017
Faculty Learning Community (California State University, Chico) 2016-2017
Sustainability Pathway assessment.
Faculty Development (California State University, Chico) writing group. Spring 2016-17
Introduction to Python scripting with ArcGIS. Fort Collins, CO. 2013
Talking Environmental Science: Invited Workshop in Communication. Fort 2011
Collins, CO.
Structural Equation Modeling with Bayesian Methods workshop. ESA 2010
conference.
Information Theoretic Approaches to Formal Inference workshop. Fort 2010
Collins, CO.

MEMBERSHIPS

Ecological Society of America 2008 - present
California Native Plant Society 2015 - present
Northern California Botanists 2016 - present
Association for Fire Ecology 2023 - present
Society of Wetland Scientists 2017 - 2019
California Botanical Society 2018 - 2019
American Association for the Advancement of Science 2014 - 2016