

CURRICULUM VITAE

University of Idaho

NAME: Mary S. Engels

DATE: 1-18-24

RANK OR TITLE: Assistant Professor

DEPARTMENT: Natural Resources and Society

OFFICE LOCATION AND CAMPUS ZIP: CNR 19G, MS 1139

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DATE OF FIRST EMPLOYMENT AT UI: 2013

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: 2019

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., Water Resources, University of Idaho, Moscow, Idaho, 2019

M.S., Geology and Geophysics, Department of Earth Sciences, University of Hawaii,
Honolulu Hawaii, 2003

B.A., Biology, with thesis distinction, Colorado College, Colorado, 2000

EXPERIENCE:

Teaching, Extension, and Research Appointments:

2019-present	Assistant Professor, Department of Natural Resources and Society, University of Idaho
2018	Faculty Oceanographer/Program Coordinator for <i>Tsunagu: Tokio Marine Global Executive Program</i> , a leadership course run by Sea Education Association for Wharton Executive Education Program
2008-2017	Faculty Oceanographer, Sea Education Association, Woods Hole MA
2015	Teaching Assistant, University of Idaho, Moscow ID
2012-2014	GK12 Teaching Fellow, NSF, Moscow ID
2004-2007	Assistant Scientist, Sea Education Association, Woods Hole MA
2007	LTER volunteer with Maria Vernet, Cruise LMG07-01, Antarctica
2001-2003	Graduate Research Assistant, University of Hawaii, Honolulu HI

Academic Administrative Appointments:

2015-2016	Co-Manager for The Confluence Project, University of Idaho, Moscow ID
2009-2012	Science Coordinator, Sea Education Association, Woods Hole MA

- 2007-2009 Assistant Science Coordinator, Sea Education Association, Woods Hole MA
 2000-2001 Research Project Support Specialist, Research Corp. of the University of Hawaii, Honolulu HI

Non-Academic Employment including Armed Forces:

- 1998-2006 Company Leader/River Guide, Holiday Expeditions, Salt Lake City UT

TEACHING ACCOMPLISHMENTS: (Academic and Extension teaching)**Areas of Specialization:**

- Island ecology
- Ecohydrology
- Environmental Pollution
- Environmental remote sensing
- Marine Ecology
- Science communication
- Leadership and decision-making
- Experiential Learning

Courses Taught (as principal instructor unless otherwise indicated):*University of Idaho-*

- NR 101: Exploring Natural Resources, in person, 2 cr (co-taught with Heather Heward and Dr. Sophie Gilbert, Fall 2019, Fall 2020)
 NRS 476: Environmental Program Management and Decision Making (Cross-listed with ENVS 476), 4 cr (Spring 2020, 2021, 2023, 2024)
 NRS 478: LIDAR and Optical Remote Sensing, online, 3 cr (co-taught with Dr. Jan Eitel, Spring 2021)
 NRS 498: INTERN: Various, var credit (Summer and Fall 2023, Spring 2024)
 NRS 501: Contemporary Issues in Natural Resources and Society, in person and online, 1 cr (Fall 2019, Spring 2022)
 NRS 502: DS: Microplastics, variable cr (Summer 2021)
 NRS 502: DS: SINEW, 2 cr (Fall 2021)
 NRS 566: Place-based Ecology II, 4 cr (Spring 2022)
 NRS 576: Environmental Project Management and Decision Making, online, 2 cr (Spring 2021, 2023, 2024)
 NRS 578: LIDAR and Optical Remote Sensing, online, 3 cr (co-taught with Dr. Jan Eitel, Spring 2021)
 NRS 580 Practicum in Restoration Ecology, 2 cr (Summer 2023)
 NRS 598 INTERN: Taylor Ranch (Summer 2021)
 ENVS 201: Careers in the Environmental Sciences, 3 cr (Fall 2021, Fall 2022, Spring 2023)
 ENVS 400: Environmental Science Seminar, 1 cr (Spring 2015)

High School-

- Earth Science: Troy Jr./Sr. High School (co-taught with Matt Burns, 2013-2014)
 Wildlife Science: Troy Jr./Sr. High School (co-taught with Matt Burns, 2013-2014)

Ecology: Lewiston High School (co-taught with Deanna Kinziger, 2012)
 Environmental Science: Lewiston High School (co-taught with Deanna Kinziger, 2013)

Sea Education Association-

Wharton Leadership Venture Program	Leadership at Sea (2011-2018)
William-Mystic Sailing Program	Oceanography (2011)
High School Sailing Program	Science at Sea (2009)
CAS NS 221	Oceanography (2008)
High School Sailing Program	Oceanography of the Southern California Bight (2008)

Students Advised:

Undergraduate Student Academic Advising:

2023: 9 students advised
 2022: 8 students advised
 2021: 9 students advised (2 graduated)
 2020: 9 students advised
 2019: 2 students advised

Undergraduate Student Thesis Advising:

Ashley Tremblay, 2023
 Kaylee Carr, Spring, 2022
 David Sonneman, Fall 2020
 Cassandra Benning, Spring 2020

Undergraduate Internship Advising:

Miles Butler, Spring 2024
 Abbie Johnson, Fall 2023
 Andrew Heath, Summer 2023

Graduate Students, Major Professor:

Chloe Arthuad, PhD (Environmental Science, exp 5/2027)
 Sultan Aljohani, PhD (Environmental Science, exp 5/2025)
 Elizabeth Herrmann, PhD (Environmental Science, exp. 5/2025)
 Grace Peven, PhD (Water Resources, exp. 5/2025)
 Hannah Russell, NTMS (Environmental Science, exp. 5/2024)
 Toni Hudson, NTMS (Environmental Science, exp 5/2024)
 Mandira Panta, MS (Natural Resources, 12/2023)
 Alisha McKitterick, NTMS (Environmental Science, 5/2023)
 Grace Little, MS (Natural Resources, 12/2022)
 Matthew Cox, NTMS (Environmental Science, 12/2022)
 Hannah Wilson, NTMS (Natural Resources, 8/2021)

Graduate Committee Membership:

Shanny Spang-Gion, PhD (Natural Resources, exp. 5/2025)
 Hannah Smith, PhD (Natural Resources, 5/2022)

Courses Developed:

ENVS 201: Careers in the Environmental Sciences (in person, 3 cr, Undergraduate, University of Idaho) ENVS core curriculum course with significant service-learning fieldtrips.

ENVS 201: Careers in the Environmental Sciences (online, 3 cr, Undergraduate, University of Idaho) ENVS core curriculum course.

NRS 478/578: LIDAR and Optical Remote Sensing online (online, 3 cr, Undergraduate/Graduate, University of Idaho)

Directed Study:

Microplastics (3 cr, Summer 2021; M. Panta, M. Cox)

SINEW (2 cr, Summer 2022; M. Panta)

Taylor Wilderness Internship (1 cr, Summer 2021; H. Wilson)

Intern: Environmental Science (3 cr, Fall 2023; A. Johnson)

Intern: 6PPD-Q Crayfish (2 cr, Spring 2024; M. Butler)

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Field Trip (ENVS 201, 9/8-9/10/2023)

Guest Lecture / Seminar, (NRS508, 9/2023)

Guest Lecture (1) (WLF220, Fall 2023, K. Vierling)

Guest Lecture / Seminar, (NRS508, Departmental Seminar, 11/2021)

Guest Lecture (1) (WLF220, Fall 2020, K. Vierling)

Guest Lecture / Seminar, (NRS501, Departmental Seminar, 12/2019)

Guest Lecture (1) (WLF220, Fall 2019, K. Vierling)

Honors and Awards:

Informal Educator of the Year, 2017, Idaho Environmental Educators Association

Phi Kappa Phi membership, 2015

Materials Developed:**Seminars, Invited Lectures, Panels:****SCHOLARSHIP ACCOMPLISHMENTS:****Publications****Refereed/Adjudicated:***Book Chapter*

Fletcher, C.H., Bochicchio, C., Conger, C.L., **Engels, M.S.**, Feirstein, E.J., Frazer, L.N., Glenn, C.R., Grigg, R.W., Grossman, E.E., Harney, J.N., Isoun, E., Murray-Wallace, C.V., Rooney, J.J., Rubin, K.H., Sherman, C.E., and Vitousek, S., 2008. Geology of Hawaii Reefs, in Riegl, B., and Dodge, R., eds., Coral Reefs of the U.S.A. Springer-Verlag, p. 435-488.

Peer Reviewed/Evaluated:*Journals*

Engels, M., Heinse, R., & Young, H. (in review) Increased soil-water availability due to a capillary barrier effect helps explain *Pisonia grandis* dispersal on Pacific Island Atolls. *Ecohydrology*.

- Longley-Wood, K., **Engels, M.**, Lafferty, K., McLaughlin, J., & Wegmann., A (2022). Transforming Palmyra Atoll to native-tree dominance will increase net carbon storage and reduce dissolved organic carbon reef runoff. Plos One.
- Lu, J., Eitel, J. U., **Engels, M.**, Zhu, J., Ma, Y., Liao, F., ... & Tian, Y. (2021). Improving unmanned aerial vehicle (uav) remote sensing of rice plant potassium accumulation by fusing spectral and textural information. International Journal of Applied Earth Observation and Geoinformation, 104, 102592.
- Engels, M.**, Miller, B., Squires, A., Jennewein, J., and Eitel, K. (2019) The Confluence Approach: Developing scientific literacy through project-based learning and place-based education in the context of NGSS. Electronic Journal of Science Education, v. 23(3), p. 33-58
- Squires, A., Jennewein, J., **Engels, M.**, Miller, B., and Eitel, K. 2016 Integrating Watershed Science in High School Classrooms: The Confluence Approach. CLEARING, 2016(2), p. 14-17
- Deary, A., Moret-Ferguson, S., **Engels, M.**, Zettler, E., Jarslow, G., and Sancho, G. 2015 Influence of Central Pacific Oceanographic conditions on the potential vertical habitat of four tropical tuna species. Pacific Science, v. 69(4), p. 461-475
- Engels, M.**, Correia, L., Piwinski, S., Cheng, L., and Zettler, E. 2014. Seasonal and decadal changes in distribution patterns of Halobates (Hemiptera:Gerridae) populations in the Eastern Tropical Pacific. Marine Biology, p.1-10
- Engels, M.S.**, Fletcher, C.H., Field, M.E., Conger, C.L., and Bochicchio, C., 2008. Demise of reef-flat carbonate accumulation with late Holocene sea-level fall; evidence from Molokai Hawaii. Coral Reefs, v. 27, p. 991-996.
- Engels, M.S.**, Fletcher, C.H., Field, M.E., Storlazzi, C.D., Grossman, E.E., Rooney, J.J.B., Conger, C.L., and Glenn, C., 2004. Holocene reef accretion; southwest Molokai, Hawaii. Journal of Sedimentary Research, v. 74(2), p. 255-269.
- Rooney, J.J.R., Fletcher, C.H., Grossman, E.E., **Engels, M.**, and Field, M.E. 2004. El Niño influence on Holocene reef accretion in Hawaii. Pacific Science, v. 58, no. 2, p. 305-324.
- Paynter, C.K., Cortés, J., and **Engels, M.** 2001. Biomass, productivity and density of the seagrass *Thalassia testudinum* at three sites in Cahuita National Park, Costa Rica. Revista de Biología Tropical, v. 49-2 p. 265-272.

Abstracts

- Matthews, J., **Engels, M.**, Cassin, J., Matthews, N. From Deep Uncertainty to Deep Resilience: The Transition from De-Risking to Comprehensive Adaptation, Abstract 212, Innovations in Climate Resilience Conference, 22-24 Apr 2024 (*submitted*)
- Aljohani, S., Herrmann, E., Johnson, A., & **Engels., M.** Suitability of Crayfish Tissues as Indicators of 6PPD-Q Pollution in Aquatic Ecosystems. Abstract H53R-1565, AGU Fall Meeting, San Francisco, 11-15 Dec 2023
- Herrmann, E., Aljohani, S., Johnson, A., & **Engels., M.** Assessing the Use of Crayfish as an Indicator Species for Distributions and Bioavailability of Tire Wear Particles (TWPs) throughout the Columbia River Basin. Abstract H53R-1551, AGU Fall Meeting, San Francisco 11-15 Dec 2023

- Peven, G., **Engels, M.**, Eitel, J., & Andrus, R. Increased conifer tree regeneration occurs at spring ecosystems following high severity wildfire in dry mixed conifer forests. Abstract B51D-1797, AGU Fall Meeting, San Francisco, 11-15 Dec 2023
- Engels, M.**, & Panta, M., Environmental Plastic Flux and Management Interventions on Public Lands in Northern Idaho. Abstract GC53J-0924, AGU Fall Meeting, 11-15 Dec 2023
- Engels, M.**, Heinse, R. Vegetative Repercussions: Coconuts and Soil Water Characteristics on Tropical Small Low Islands. SSSA International Soils Meeting, 6-9 Jan. 2019
- Engels, M.**, Heinse, R. The small low island two-step: Mapping coconut legacies in the central Pacific Ocean. Abstract GC11F-0473, AGU Fall Meeting, Washington D.C., 10-14 Dec 2018
- Trebitz, K., Cooper, C., Wakulich, K., **Engels, M.** Get them wet! Integrating STEM education with adopt-a-stream projects for experiential learning in water resources. Idaho Environmental Education Association Conference, 3-4 March 2017
- Engels, M.**, Heinse, R. Mapping Soils Through the Trees: A Mixed Methods Approach for Small Low Islands, Abstract B43A-0581, AGU Fall Meeting, San Francisco, Calif., 12-16 Dec 2016.
- Engels, M.**, Heinse, R. The sedimentary consequences of coastal coconut plantations. Abstract MG44B-1988, AGU Ocean Science, New Orleans, LA, 21-26 Feb 2015.
- Engels, M.**, Heinse, R. Vegetative community control of freshwater availability: Phoenix Islands case study, Abstract H31G-0708, AGU Fall Meeting, San Francisco, Calif., 15-19 Dec 2014.
- Joyce, P., Lavender Law, K., Zettler, E., Proskurowski, G., Goodwin, D., Lea, C., Schell, J., Siuda, A., Witting, J., Carruthers, EA., **Engels, M.**, DeForce, E. Linking research at sea to student audiences on shore. Abstract ED23D-05, AGU Fall Meeting, San Francisco, CA Dec 3-7 2012
- Joyce, P., Carruthers, EA., **Engels, M.**, Goodwin, D., Law, KL., Lea, C., Schell, J., Siuda, A., Witting, J., Zettler, E. Sea Education Association's sailing research vessels: Innovative platforms for long-term research and education (Poster). Abstract OS51E-1916, AGU Fall Meeting, San Francisco, CA Dec 3-7 2012
- Morét-Ferguson, S., Siuda, ANS., Proskurowski, G., Schell, JM., **Engels, M.**, Twichell, N., Zettler, ER. Biological communities in concentrated debris regions: who shares the ocean surface with plastic in the Eastern Pacific and North Atlantic? 5th International Marine Debris Conference, Honolulu, HI. March 2011.
- Joyce, P., **Engels, M.**, Law, K., Lea, C., Morét-Ferguson, S., Proskurowski, G., Schell, J., Siuda, ANS., Wilber, RJ., Witting, J., Zettler E. Forty Years of At-sea Marine Debris Data Collection. 5th International Marine Debris Conference, Honolulu, HI. March 2011.
- Lipke, C., **Engels, M.**, Twichell, N., Zettler, E. 2010 SeaBASS archive contributions by undergraduate students aboard Sea Education Association vessels, NASA Ocean Color Team Meeting, New Orleans
- Deary, A.L., Moret, S., **Engels M.**, Zettler, E., Jaroslow, G.E., Sancho, G. 2010, Influence of Central Pacific oceanographic conditions on the equatorial habitats of four tuna species. Eos Trans. AGU, 91(26), Ocean Sci. Meet. Suppl., Abstract ED11A-06

- Engels, M S**; Piwinski, S K; Foley, J M; Lea, C E; Lavender, K L; Cheng, L;
Distribution and annual variability of Halobates across the Eastern and Central
Tropical Pacific. Ocean Sciences Meeting, Orlando, Fl March 2-7, 2008
- Fletcher, C.H., **Engels, M.S.**, Grossman, E.G., Rooney, J.J.R., and Sherman, C.E.,
2006, Decoding the Geologic record of Holocene sea-level change in the
Hawaiian Islands. Geological Society of America Abstracts with Programs, Vol.
38, No. 7, p. 92
- Rooney, J.R., Fletcher, C.H., **Engels, M.S.**, Grossman, E.E., and Field, M.E.,
Variability of Hawaiian reef accretion and El Niño over the Holocene epoch.
Tenth International Coral Reef Symposium, June 28-July 2, 2004, Okinawa,
Japan.
- Engels, M.**, Fletcher, C., Field, M., and Storlazzi, C., 2003, Rapid increase in relative
sea level rate ca. 7.9 kyrs bp recorded at southwest Moloka'i, Hawai'i.
Geophysical Research Abstracts, v. 5, 02016, 2003.
- Wilson, M., Rademaker, J.L.W., Lindow, S.E., Hendson, M., Boyle, B., **Engels, M.**,
Pugh, B., Sosa, S., Treat, E. Genetic variability among isolates of *Pseudomonas*
fluorescens strain A506 recalled from laboratories around the world. 10th IUMS
International Congress of Bacteriology, Paris, France, 2002.
- Fletcher, C.H., **Engels, Mary**, Rooney, John, Field, Mike, Grossman, Eric G.,
Sherman, Clark E., Harney, Jodi N., and Murray-Wallace, Colin, 2002, Nature of
Pleistocene carbonate shelf evolution and Holocene accretion: Hawaiian Islands.
IGCP Project 437, Barbados, October 26 to November 2, 2002.

Other:

Report

- Engels, M.S.**, and Fletcher, C.H., 2008. Moloka'i - Two different types of reef growth
in the past 8,000 years, in Field, M.E., Cochran, S.A., Logan, J.B., and Storlazzi,
C.D., eds., The coral reef of south Moloka'i, Hawai'i; Portrait of a sediment-
threatened fringing reef. U.S. Geological Survey Scientific Investigations Report
2007-5101, p. 37-40.

Presentations and Other Creative Activities:

Curricula

- Engels, M.**, and Nelson, L. (2016). 11 NOAA Lesson Plans Using Scientific Data
Collected in the Pacific Marine National Monuments.
[https://www.fisheries.noaa.gov/resource/educational-materials/using-scientific-
data-collected-marine-national-monuments](https://www.fisheries.noaa.gov/resource/educational-materials/using-scientific-data-collected-marine-national-monuments)

Professional Meeting Papers, Workshops, Showings, Recitals:

Workshops

- Building Resilience through Water, Building Resilience for Water: The CRIDA
Approach*, Moscow ID, 2019
- Envision Data: A workshop in effective data communication*, Moscow ID, 2017

Invited Presentations

- "*Crayfish as indicators of 6PPD-Quinone*" Columbia River Basin Restoration Program
Toxics Monitoring Subgroup Meeting, Jul 11, 2023

- “Microplastics – Oh the places they will go!”* Invited presentation at the Alaska Tribal Conference on Environmental Management, Nov 16th, 2021
- “Water, water everywhere and not a drop to drink: water management strategies of the iconic atoll native Pisonia grandis”* Western Washington State Biology Department Seminar, April 21st, 2021
- “Island Connections: Vegetation, Soils, and Water in a Small Low Island Context.”* University of Idaho, WLF 220: Principles of Ecology class, October 4th, 2020
- “Oh the places you will go: Preliminary thoughts on the fate of plastic debris from inland waters.”* Department of Natural Resources and Society Seminar. University of Idaho. December 11th, 2019
- “Island Connections: Vegetation, Soils, and Water in a Small Low Island Context.”* University of Idaho, WLF 220: Principles of Ecology class, December 4th, 2019
- “From ship to shore: Communications from the front lines of marine debris research.”* American Geophysical Union GIFT Workshop, San Francisco, December 14th 2015 (co-presented with Laura Nelson).
- “The Drinking Habits of Coconut Palms.”* Palouse-Clearwater Environmental Institute, Moscow ID, March 5th, 2015.
- “Ocean Water Striders, the little-known world of Halobates.”* 39th Annual Conference on Sail Training and Tall Ships, Newport RI, January 30th 2012.

Grants and Contracts Awarded:

Awards received as a faculty member

- Sullivan, T (PI), Crespi, E.(Co-PI), Bartley, L. (Co-PI), **Engels, M. (Co-PI, sub-award PI)**, Spang Gion, S (Co-PI). NSF-RaMP: Native American Nation Building Around Biological Systems Resilience: Weaving Traditional Ways of Knowing with Western Science. PI: Sullivan. 9/2023 – 8/2027 NSF #2319734 \$3 M., UI subaward 147124 WSU001190, \$926,132
- Engels, M. (PI)**. 2022. Detecting Change in Headwater Spring Ecosystems. DeVlieg Foundation \$102,000
- Engels, M. (PI)**. 2022. Crayfish as indicators of 6PPD-quinone contamination. EPA-CRBR FAIN #02J19601 \$278,241
- Engels, M (PI)**. 2022. Travel Funding. UI Presidential Initiative on Water and Sustainability Challenges and Opportunities for Water Resources in Idaho. \$880
- Engels, M (PI)** Cohn, T (Co-PI). 2020. Sustaining the Taylor Wilderness Research Station through Collaborative Water Research. UI Presidential Initiative on Water and Sustainability. \$19,843
- Vierling, L (PI), Link, T (Co-I), Eitel, K (Co-I), Paveglio, T (Co-I), Cohn, T (Co-I), **Engels, M (Co-I)**, Wolfenden, M (Co-I), and Eitel, J (Co-I). Team SINEW: Sustaining Idaho’s Needs in Environment and Water. UI Presidential Initiative on Water and **Sustainability**. \$13,315

Awards received as a student

- Heinse, R. (PI), **Engels, M** (student). 2016 Mapping Soils Through the Trees: A Small Low Island Case Study. NASA-NESSF. Award # 16-EARTH16F-235; 17-EARTH17R-0094; 18-EARTH18R-0123. \$120,000

- Engels, M (PI).** 2016. Enhancing the message: the role of data visualization in science communication and public outreach. UI Graduate and Professional Organization. \$1,500
- Cooper, C (PI), **Engels, M (Co-PI)**, Olsen, S (Co-PI), and Foard, M. 2016. University of Idaho Water Awareness and Water Advocacy Event. UI Sustainability Center. \$3,000
- Engels, M (PI).** 2016. Travel Award. UI Graduate and Professional Organization. \$700
- Engels, M (PI).** 2014. Travel Award. UI Graduate and Professional Organization. \$700
- Engels, M (PI)** Nelson, L (Co-PI). 2013. Pacific Marine National Monuments: Dynamic systems for educating the next generation of stewards. NOAA Education. \$15,012

Awards received prior to graduate school

- Zettler, E. (PI), Joyce, P (Co-PI), **Engels, M (Co-PI)**. 2010 Sonar Electronics Replacement for Vessels Corwith Cramer and Robert Seamans. NSF-OCE. Award #1036677. \$10,450

Honors and Awards:

- 2009 The Coral Reef of South Moloka'i, Hawai'i—Portrait of a Sediment Threatened Fringing Reef (USGS SIR 2007-5101):
- Association of Earth Science Editors' Outstanding Publication of 2009 (print category)
 - National Association of Government Communicator's Blue Pencil Award of Excellence for 2009 (technical communication)
 - Honored by Hawaii State Senate and House of Representatives in Concurrent Resolution #2009-0916 SCR SMA-1

SERVICE:

Major Committee Assignments

2023	College of Natural Resources Tenure and Promotion Committee
2022-present	College of Natural Resources Diversity Equity and Inclusion Committee
2022	College of Natural Resources Third Year Review Committee
2021-2022	University of Idaho Borah Committee
2021	College of Natural Resources Tenure and Promotion Committee
2021	University of Idaho Tenure and Promotion Committee
2020	Department of Natural Resource and Society Tenure and Promotion Unit Committee
2019-2021	Department of Natural Resource and Society Graduate Curriculum Committee

Outreach Service:

National Service

- Proposal Reviewer, National Science Foundation (2022)
- Review Panelist, National Science Foundation (2020)

Editorial Service

Topic Editor, Frontiers In Water Special Collection: *Implementing “Deep Resilience”: Embracing Complexity and Systems Thinking in Adaptation and Resilience.* (2023 - present)

Professional Meeting Leadership:

Co-organizer of the session “Deep Resilience – Integrative Adaptation Strategies for the Future of Water” Frontiers in Hydrology, San Juan Puerto Rico. June 19-22, 2022.

University of Idaho outreach:

Supported the State FFA Environmental and Natural Resources CDE event at the College of natural resources (2021)

Rafting and logistical support for the University of Idaho College of Science Indigenous Knowledge Field Camp (2021)

Classroom outreach to high school student in Okinawa Japan about plastic pollution (2020)

Job shadow interview for eighth-grade student (Fall 2019)

Meeting with potential ENVS students (2019)

Community Service:

Board Member, Moscow Day School (2023-present)

Developed face shields during COVID pandemic for local medical facilities (2020)

PROFESSIONAL DEVELOPMENT:

Scholarship:

Research Leadership Development Workshops (Fall 2023)

University of Idaho Proposal Development Academy (Spring 2020)

Administration/Management:

Athena Mentoring Program (2021)