Claire C. Karban

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Education		
2022	 University of Colorado, Boulder, Department of Ecology & Evolutionary Biology Ph.D., Ecology and Evolutionary Biology, Advisor: Dr. Nichole Barger Doctoral dissertation: Biotic and abiotic barriers to dryland restoration 	
2013	B.A. Environmental Studi • Undergrad thesi	nt of Environmental Studies, <i>cum laude, dept. distinction</i> es, <i>concentration</i> : conservation & development is: Nuclear Power and Environmental Justice: A Mixedof Risk, Vulnerability, and the Victim Experience
Grants & Fellows	hips	
2022 - 2024 2022 2020 2018 - 2020 2020 2019 2018 2018 2018	CU Boulder EBIO Dept. Gradu Beverly Sears Student Resear Graduate School Domestic Tr Canyonlands Research Cente UGGS Group Grant for Non-a	ner Fellowship (\$8,622) toration, Garden Club of America (\$8,000) uate Student Research Grant (\$7,000) rch Grant, CU Boulder (\$1,000)
Publications		
2022	Juniper Woodland Fuel Rec	Herrick, J. E., & Barger, N. N. Consequences of Piñon-duction: Prescribed Fire Increases Soil Erosion While stems, 25(1), 122-135.doi: 10.1007/s10021-021-00644-
2020	Karban, C. , & Travis, extraordinary events as out	well, A. E., Rossi, M. W., Joseph, M. B., Mahood, A. L.,, W. R. Social-environmental extremes: Rethinking tcomes of interacting biophysical and social systems. F001319. doi: 10.1029/2019EF001319
2019	C. C., & McDermott, M. T. Dive	C., Brigham, L. M., Fried, E. R., Grabenstein, K. C., Karban , erging from the Dogma: A Call to Train Creative Thinkers e Ecological Society of America, 100(1), 1-7. doi:
2010	the performance of a ger	zinger, M., Pearse, I., Crutsinger, G. Diet mixing enhances neralist caterpillar, <i>Platyprepia virginalis</i> . Ecological pi: 10.1111/j.1365-2311.2009.01162.x
Selected Academi	ic & Extension Presentations	
2022	Karban, C. , Mann, R.K., Dur service trade-offs in a highly	niway, M., Faist, A., Hoover, D., Barger, N. "Ecosystem y degraded semi-arid grassland restoration. Ecological eeting. Oral Presentation, Montreal, Quebec, CA.

2021	Karban, C. , Barger, N. N. "Suitable microsite identification for scalable precision restoration." <i>Ecological Society of America Annual Meeting</i> . Oral Presentation, Virtual.		
2021	Karban, C. , Lauria, M., Such, K., Correll, N., Heckman, C., Barger, N. "In situ sensing to overcome microsite limitation in dryland restoration." World Conference on Ecological Restoration. Oral Presentation, Virtual.		
2019	Karban, C., Mann, R.K., Faist, A., Hoover, D., Duniway, M., Barger, N. "Vegetation response in reclamation studies on highly disturbed lands across the Colorado Plateau," <i>Biennial Conference of Science & Management on the Colorado Plateau</i> , Oral Presentation, Flagstaff, AZ.		
2019	Karban, C., Duniway, M., Faist, A., Hoover, D., Mann, R.K., Barger, N.N. "Overcoming barriers to restoration in highly degraded semiarid rangelands on the Colorado Plateau," <i>Biennial Conference of Science & Management on the Colorado Plateau</i> , Poster, Flagstaff, AZ.		
Professional Experienc	e		
2022 – current	USGS Southwest Biological Science Center , Postdoctoral Fellow. Advisors: Dr. Seth Munson and Dr. Jeff Lovich. Assessing the environmental impacts of solar energy development in the southwestern U.S.		
2015 - 2017	Crested Butte Land Trust , Outreach and Communications Coordinator. Managed print and electronic communication and messaging for diverse stakeholders.		
2014 - 2015	Rocky Mountain Biological Laboratory , Research Assistant. Advisor: Dr. Carol Boggs. Studied an evolutionary trap and metapop. dynamics in native butterflies.		
Teaching Experience			
Spring 2022	Conservation Biology Recitation , EBIO 3040, CU Boulder. Graduate Teaching Assistant. Developed and taught case studies and discussions on engage upper-division students in current issues and concepts in conservation biology.		
Fall 2018 – Spring 2019	Principles of Ecology Lab , EBIO 2040, CU Boulder. Graduate Teaching Assistant. Mentored undergraduates in developing independent original research projects to test hypotheses, collect data, analyze data, while learning basic ecological concepts. Developed R exercises for approachable coding practice to complement labs.		
Fall 2017 – Spring 2018	General Biology Lab , EBIO 1230, 1240, CU Boulder. Graduate Teaching Assistant. Developed lesson plans and quizzes based on existing curriculum covering systematics, physiology and anatomy, genetics, plant biology, and ecology.		
Professional Service			
2020 - 2021	Graduate Representative , EBIO undergraduate club, EBIO Dept., CU Boulder, Acted as liaison between undergraduates and the graduate/extended department.		
2020 – present	IT Coordinator , Colloquium Committee, EBIO Dept., CU Boulder, Managed the zoom call for virtual weekly speakers and trouble shot any IT issues.		
2017	Organizer , Non-Academic Careers Panel, EBIO Dept., CU Boulder, Organized a panel for non-academic career paths, invited speakers, organized logistics, funded event.		

Undergraduate Mentees

2021 - 2022	Emma Ciafone, ENVS major, CU Boulder
2020 - 2021	Andrea Clement, EBIO and Geography majors, CU Boulder
2020	Erin Katie Jaynes, EBIO and ENVS majors, CU Boulder
2020	David Shenfeld, EBIO major, CU Boulder
2020	Nathan Murray, Biochemistry major, CU Boulder
2019 - 2020	Sallie Tucker, EBIO major, CU Boulder
2019	Rachael Merkt, EBIO major, CU Boulder
2019	Melinda Steuber, EBIO major, CU Boulder
2019	Fox Freeman, EBIO major, CU Boulder
2018	Alex Sandberg-Bernard, EBIO major, CU Boulder
2018 - 2019	Cloe Dickson, EBIO major, CU Boulder