

Curriculum Vitae Rosemary L. Sherriff

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[Geography, Environment & Spatial Analysis](#) Department
[Environmental Studies](#) Program, HSU
[Forest & Wildland Sciences](#) Grad Program, HSU
[Dendroecology Lab](#), HSU

EDUCATION

Post-doctoral Research Associate, University of Colorado, Boulder, 2004, Geography
Ph.D. University of Colorado, Boulder, 2004, Geography
M.A. University of Colorado, Boulder, 2000, Geography
B.S. University of Oregon, 1996, Geography, Environmental Studies minor

FACULTY APPOINTMENTS

2018 – 2019 Program Leader, Environmental Studies Program, Humboldt State University
2016 – present Professor, Department of Geography, Humboldt State University
2014 – 2018 Chair, Department of Geography, Humboldt State University
2012 – present Faculty, Environmental Studies Program (new program in 2012)
2011 – present Faculty, Forest and Wildland Sciences Graduate Program
2011 – 2016 Associate Professor, Department of Geography, Humboldt State University
2009 – 2011 Assistant Professor, Department of Geography, Humboldt State University
2007 – 2009 Assistant Professor, Department of Geography, University of Kentucky
2005 – 2007 Assistant Professor, Geography and Environmental Studies, University of Hawaii - Hilo
2005 – 2007 Faculty, Tropical Conservation Biology and Environmental Science Graduate Program

RESEARCH GRANTS AND CONTRACTS

2020 – 2022 McIntire-Stennis Award, National Institute of Food and Agriculture, \$75,000. PI: L. Kerhoulas, Co-PI: R. Sherriff. Project: *Tree mortality and regeneration across competitive and geographic gradients in Northern California*

2019 – 2022 National Science Foundation (BCS-1853903), \$399,987. PI: R. Sherriff, Co-PI: L. Kerhoulas. Project: *RUI: Diverse conifer responses to competition, habitat and drought*

2018 – 2023 Cooperative Agreement, U.S. Forest Service, \$23,516
Project: *Smoke emissions and smoke dispersal modeling within Lake Tahoe Basin*

2018 – 2020 Agricultural Research Institute Award, \$75,789, PI: L. Kerhoulas, Co-PIs: R. Sherriff and A. Stubblefield
Project: *Informing restoration in encroached oak woodlands in northern California*

2017 – 2019 McIntire-Stennis Award, National Institute of Food and Agriculture, \$178,459, PI: A. Stubblefield, Co-PIs: J.P. Berrill, J. Kane, E. Kelly, L. Kerhoulas, S. Marshall, R. Sherriff
Project: *Evaluating oak woodland restoration in northern California*

2016 – 2020 Cooperative Agreement, U.S. Fish and Wildlife, \$40,000, PIs: R. Sherriff and M. Cunha
Project: *Science Communication Assistance*

- 2015 – 2018 Cooperative Ecosystem Studies Unit (CESU) Award, Bureau of Land Management, \$11,963, PI: R. Sherriff, Co-investigator D. Gavin (University of Oregon)
Project: *Long-term fire history in a northern California redwood forest: effects of climate change and fire suppression*
- 2014 – 2017 McIntire-Stennis Award, National Institute of Food and Agriculture, \$54,000, PI: R. Sherriff, Co-PI: P. van Mantgem
Project: *Tree growth and carbon accumulation in the face of drought: Does forest management confer resistance and resilience in the Klamath Ecoregion?*
- 2014 – 2017 Reserve Fund Research Request, Department of Interior, National Park Service, \$65,200, PI: P. van Mantgem, Co-PI: R. Sherriff
Project: *Does forest management promote forest resistance or resilience?*
- 2013 – 2017 Cooperative Ecosystem Studies Unit (CESU) Award, U.S.D.A. Forest Service, Klamath National Forest, \$59,863, PI: R. Sherriff
Project: *Forest restoration scenarios at the watershed-scale in the Klamath Mountains*
- 2013 – 2018 Cooperative Ecosystem Studies Unit (CESU) Award, Southwest Alaska Network (SWAN), National Park Service, \$95,473, PI: R. Sherriff, Collaborators: A. Miller (NPS) and A. Csank (University of Nevada Reno)
Project: *Climate sensitivity in white spruce woodlands as indicated by $\delta^{13}C$ & $\delta^{18}O$ in cellulose over the past 50 years*
- 2012 – 2015 UC Agriculture and Natural Resources Competitive Grants Program, \$249,617, PIs: Y. Valachovic (UC Cooperative Extension) and R. Standiford (UC Berkeley), Co-PIs: M. Kelly and M. Potts (UC Berkeley), R. Sherriff (HSU), and J. M. Varner (Mississippi State University)
Project: *Tools for a changing landscape: understanding disturbance and vegetation dynamics in northern California oak woodlands*
- 2012 – 2017 Cooperative Ecosystem Studies Unit (CESU) Award, U.S. Fish and Wildlife, \$50,000, PIs: M. Cunha and R. Sherriff
Project: *Strategic Data Management Pilot*
- 2012 – 2013 Bureau of Land Management California Forest and Woodland Ecology, Management and Restoration Award, \$18,000, PIs: M. Varner and R. Sherriff
Project: *Fuel loading and availability following restoration thinning in Headwaters Forest's coast redwood-Douglas-fir stands.*
- 2010 – 2015 Cooperative Ecosystem Studies Unit (CESU) Award, Southwest Alaska Network (SWAN), National Park Service, \$106,320, PI: R. Sherriff, Collaborator: A. Miller (NPS)
Project: *Stand age structure and growth responses to disturbance and climate variability in forest monitoring plots, Southwest Alaska Network.*
- 2010 – 2013 Bureau of Land Management California Forest and Woodland Ecology, Management and Restoration Award, \$17,394, PI: R. Sherriff, Collaborator: D. LaFever (BLM)

Project: *Evaluation of forest restoration for adaptive management: reforestation of decommissioned roads in the NLCS Headwaters Forest Reserve.*

- 2010 – 2014 Bureau of Land Management Internship Awards (2 projects), \$8000. PIs: J. Adams and R. Sherriff
- 2007 – 2009 Cooperative Ecosystem Studies Unit (CESU) Award, Southwest Alaska Network (SWAN), National Park Service, \$64,950 PI: R. Sherriff, Collaborators: A. Miller (NPS) and E. Berg (U.S. Fish and Wildlife)
Project: *Spruce bark beetle (Dendroctonus rufipennis)-climate interactions in south-central Alaska*
- 2006 - 2009 NSF - Geography and Regional Science Program, \$235,000 (Co-PI)
Co-Investigators: R. Sherriff (University of Hawaii-Hilo; University of Kentucky), T. Veblen and T. Schoennagel (University of Colorado, Boulder), and R. Platt (Gettysburg College)
Project: *Collaborative research: Fire risk and ecological integrity in the wildland urban interface of the Colorado Front Range*
- 2006 – 2007 Research Grant, Department of Hawaiian Homelands, Land Management Division, \$15,000, Project: *Wildfire/Human Interface Planning Project, Huumula, Hawaii*
- 2005 – 2007 CESU Award, Southwest Alaska Network, National Park Service, \$63,476 (PI), Collaborators: A. Miller (NPS) and E. Berg (U.S. Fish and Wildlife)
Project: *Tree-ring reconstruction of historic insect outbreaks, Lake Clark National Park and Preserve, Alaska*
- 2005 – 2006 Research Enhancement Activities Program Grant, NSF EPSCoR Program, University of Hawaii-Hilo, \$12,000 (PI)
Project: *Investigating long-term climate variability using dendrochronology across environmental gradients on the island of Hawaii*
- 1999 – 2003 Research Grant, Boulder County Open Space, Colorado, \$5000 (2002-03)
Research Grant, City of Boulder Open Space and Mountain Parks, Colorado, \$3000
Co-P.I. T. Veblen, (2001-02)
Undergraduate Research Opportunity Team Grant, University of Colorado, \$10,800
funded 6 undergraduate students, Co-P.I. T. Veblen (2001-02)
Small Research Grants ($\leq$ \$2000 each)
Colorado Mountain Club Foundation (1999, 2002)
John W. Marr Memorial Ecology Fund, University of Colorado (2002)
Beverly Sears Dean's Small Grant, University of Colorado (1999, 2000, 2001)
Colorado Natural History Program (1999)

AWARDS AND FELLOWSHIPS

- 2018 Sponsored Programs Foundation Incentives Award, HSU
- 2016 Undergraduate Research Activity Fellowship Award, CAHSS, HSU (2 students)
- 2016 CSU Chancellor's Office Research, Scholarly, and Creative Activities (RSCA) Award
- 2015 CSU Chancellor's Office Research, Scholarly, and Creative Activities (RSCA) Award
- 2015 Sponsored Programs Foundation Incentives Award, HSU

2015	Undergraduate Research Activity Fellowship Award, CAHSS, HSU (2 students)
2014	Faculty Development Diversity Grant Award, Office of Diversity and Inclusion, HSU
2014	Undergraduate Research Activity Fellowship Award, CAHSS, HSU (3 students)
2013	Faculty Development Diversity Grant Award, Office of Diversity and Inclusion, HSU
2013	Undergraduate Research Activity Fellowship Awards, CAHSS, HSU (2 awards – Sp, Fall)
2012	Sponsored Programs Foundation Incentives Awards, HSU (2 awards – Sp 2012, Fall 2012)
2011	McCrone Promising Faculty Scholar Award, HSU
2011	Sponsored Programs Foundation Grant Award, HSU
2011	Undergraduate Research Activity Fellowship Award, CAHSS, HSU (2 students)
2011	Emeritus and Retired Faculty Association (ERFA) Award, HSU
2010	Faculty Diversity Development Award, Office of Diversity and Inclusion, HSU
2010	Sponsored Programs Foundation Grant Award, HSU
2010	International Travel Award, International Biogeography Society and the Biogeography Specialty Group - Association of American Geographers (Crete, Greece – Jan. 2011)
2008	Summer Research Fellowship, University of Kentucky
2002 – 2004	NSF Geography - Doctoral Dissertation Improvement Award
2003 – 2004	Gilbert F. White Doctoral Fellowship in Geography, University of Colorado
	University Fellowship, Graduate School, University of Colorado
	Mabel Duncan Memorial Scholarship, Geography, University of Colorado
2002 – 2003	1 st place Ph.D. Student Research Proposal Award, Biogeography Specialty Group, Association of American Geographers
	1 st place Ph.D. Student Paper Award, Biogeography Specialty Group, Annual Meeting of the Association of American Geographers, Los Angeles
	H. Schmoll Fellowship in Colorado Botany, University of Colorado Herbarium
2001 – 2002	University Fellowship, Graduate School, University of Colorado
	Edna Bailey Sussman Environmental Internship, University of Colorado
	Mabel Duncan Memorial Scholarship, Geography, University of Colorado
2000 – 2001	University Fellowship, Graduate School, University of Colorado
1999 – 2000	Mabel Duncan Memorial Scholarship, Geography, University of Colorado

PUBLICATIONS (*HSU student)

[Google Scholar](#)

- Sherriff, R.L., M.J. Kauffmann, J.M. Garwood. *Accepted*. Climate (Chapter 5). In *The Klamath Mountains: A Natural History*. Backcountry Press. Humboldt County, CA.
- Baughman, C.A., R.A. Loehman, D.R. Magness, L.B. Saperstein, and R.L. Sherriff. *Accepted*. Four decades of land cover change on the Kenai Peninsula, Alaska: Detecting disturbance-influenced vegetation shifts using Landsat legacy data. *Land*.
- van Mantgem, P.J., L.P. Kerhoulas, R.L. Sherriff, and Z.J. Wenderott. 2020. Tree-ring evidence of forest management moderating drought responses: Implications for dry, coniferous forests in the southwestern U.S. *Frontiers in Forests and Global Change*.
<https://doi.org/10.3389/ffgc.2020.00041>
- McLauchlan *et al.* (42 authors). 2020. Fire as a fundamental ecological process: research advances and frontiers. *Journal of Ecology*. <https://doi.org/10.1111/1365-2745.13403>
- Derrick, M. and R. Sherriff. 2019. Editors. [The California Geographer](#), Volume 58.
- Wright, M., R.L. Sherriff, A.E. Miller, T. Wilson. 2018. Basal area and temperature interact to influence growth in white spruce in southwest Alaska. *Ecosphere* 9(10):
[e02462.10.1002/ecs2.2462](https://doi.org/10.1002/ecs2.2462)

* Vernon, M., R.L. Sherriff, P. van Mantgem, J. Kane. 2018. Do fuel treatments promote resistance to

- multi-year drought in a mixed-conifer forest of northern California? *Forest Ecology and Management* 422: 190-198. <https://doi.org/10.1016/j.foreco.2018.03.043>.
- * Schriver, M., R. L. Sherriff, J. M. Varner, L. Quinn-Davidson, and Y. Valachovic. 2018. Age and stand structure of oak woodlands along a gradient of conifer encroachment in northwestern California. *Ecosphere* 9(10): [e02446.10.1002/ecs2.2446](https://doi.org/10.1002/ecs2.2446)
- Harley, G.L., C.H. Baisan, P.M. Brown, D.A. Falk, W.T. Flatley, H.D. Grissino-Mayer, A. Hessler, E.K. Heyerdahl, M.W. Kaye, C.W. Lafon, E.Q. Margolis, R.S. Maxwell, A.T. Naito, W.J. Platt, M.T. Rother, T. Saladyga, R.L. Sherriff, L.A. Stachowiak, M.C. Stambaugh, E. Kennedy Sutherland, A.H. Taylor. 2018. Advancing dendrochronological studies of fire in the United States. *Fire* 1(1), 11; doi:[10.3390/fire1010011](https://doi.org/10.3390/fire1010011)
- Morris J., S. Cottrell, C. Fettig, R.J. DeRose, K. Mattor, V. Carter, J. Clear, J. Clement, W. Hansen, J. Hicke, P. Higuera, A. Seddon, H. Seppä, R. Sherriff, J. Stednick, S. Seybold. 2018. Bark beetle impacts on social-ecological systems. *Frontiers in Ecology and the Environment* 16 (S1): S34-S43, doi: [10.1002/fee.1754](https://doi.org/10.1002/fee.1754).
- Derrick, M. and R. Sherriff. 2018. Editors. [The California Geographer](#), Volume 57.
- Daniels, L.D., L.L.Y. Kent, R.L. Sherriff, E.K. Heyerdahl. 2017. Deciphering the complexity of historical fire regimes: diversity among forests of western North America. In: Amoroso M., L. Daniels, P. Baker, J. Camarero (eds) *Dendroecology: Tree-ring Analyses Applied to Ecological Studies* (Analysis and Synthesis), vol. 231. Springer, Cham. https://doi.org/10.1007/978-3-319-61669-8_8
- *Grabinski-Parker Z., R.L. Sherriff, J. Kane. 2017. Controls on reburn severity vary with fire interval in the Klamath Mountains, California, USA. *Ecosphere* 8(11): [e02012. 10.1002/ecs2.2012](https://doi.org/10.1002/ecs2.2012)
- Miller, A.E., T.L. Wilson, R.L. Sherriff, J. Walton. 2017. Warming drives a front of white spruce recruitment near western treeline, Alaska. *Global Change Biology* 23: [5509-5522](https://doi.org/10.1111/gcb.13522).
- *Slack, A.W., J.M. Kane, E.E. Knapp, R.L. Sherriff. 2017. Contrasting impacts of climate and competition on large sugar pine growth and defense in a fire-excluded forest of the central Sierra Nevada. *Forests* 8(7), 244. Doi: 1 [10.3390/f8070244](https://doi.org/10.3390/f8070244).
- Sherriff R.L., A.E. Miller, *K. Muth, *M. Schriver, *R. Batzel. 2017. Recent tree-growth responses to warming vary by geographic region and ecosystem type within the boreal forest-tundra transition zone in Alaska. *Journal of Biogeography* 44: [1457-1468](https://doi.org/10.1111/jbi.12858).
- Morris J., S. Cottrell, C. Fettig, W. Hansen, R. Sherriff, V. Carter, J. Clear, J. Clement, R. DeRose, P. Higuera, K. Mattor, A. Seddon, H. Seppä, J. Stednick, S. Seybold. 2017. Managing bark beetle impacts on ecosystems and society: Priority questions to motivate future research. *Journal of Applied Ecology* 54: [750-760](https://doi.org/10.1111/1365-2656.12858).
- Csank A.Z., A.E. Miller, R.L. Sherriff, E.E. Berg, J.M. Welker. 2016. Tree-ring isotope ($\delta^{13}\text{C}$ & $\delta^{18}\text{O}$) chronologies reveal environmental sensitivity of trees killed during insect outbreaks in south-central Alaska. *Ecological Applications* 26: [2001-2020](https://doi.org/10.1890/1051-0761.153-161).
- Hutto R.L., R.E. Keane, R.L. Sherriff, C.T. Rota, L.A. Eby, V.A. Saab. 2016. Toward a more ecologically informed view of forest fires. *Ecosphere* 7(2):e01255. [10.1002/ecs2.1255](https://doi.org/10.1002/ecs2.1255).
- Hanson C.T., R.L. Sherriff, R.L. Hutto, D.A. DellaSala, T.T. Veblen, W.L. Baker. 2015. Setting the stage for mixed- and high-severity fire. Chapter 1 in [The Ecological Importance of Mixed-severity Fires – Nature’s Phoenix](#), eds. D.A. DellaSala and C.T. Hanson. Pgs. 3-22. Elsevier, Inc.
- *Schriver M., R.L. Sherriff. 2015. Establishment patterns of Oregon white oak and California black oak woodlands in northwestern California. In *Proceedings of the 7th California Oak Symposium: Managing Oak Woodlands in a Dynamic World*. [Gen. Tech. Rep. PSW-GTR-251](#). Berkeley, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. Pp. 529-539.
- Sherriff R.L., R.V. Platt, T.T. Veblen, T.L. Schoennagel, M.H. Gartner. 2014. Historical, observed, and modeled wildfire severity in montane forests of the Colorado Front Range. *PLOS ONE* 9(9): [e106971. doi:10.1371/journal.pone.0106971](https://doi.org/10.1371/journal.pone.0106971)

- Odion D.C., C.T. Hanson, A. Arsenault, W.L. Baker, D.A. DellaSala, R. Hutto, W. Klenner, M.A. Moritz, R.L. Sherriff, T.T. Veblen, M.A. Williams. 2014. Examining historical and current mixed-severity fire regimes in drier forests of western North America. *PLOS ONE* 9(2): [e87852](https://doi.org/10.1371/journal.pone.0087852). doi:10.1371/journal.pone.0087852
- Gartner M.H., T.T. Veblen, R.L. Sherriff, and T.L. Schoennagel. 2012. Proximity to grasslands influences fire frequency and sensitivity to climate variability in *Pinus ponderosa* forests of the Colorado Front Range. *International Journal of Wildland Fire* 21: [562-571](#).
- Miller A.E., R.L. Sherriff, and E.E. Berg. 2012. Effect of the Novarupta (1912) eruption on forests of south-central Alaska as inferred from tree-ring records. *Alaska Park Science* 11: [74-77](#).
- *Cocking M.I., J.M. Varner, and R.L. Sherriff. 2012. California black oak responses to fire severity and native conifer encroachment in the Klamath Mountains. *Forest Ecology and Management* 270: [25-34](#).
- Sherriff R.L., E. E. Berg and A.E. Miller. 2011. Effects of interannual and multidecadal climate variability on spruce beetle (*Dendroctonus rufipennis*) activity in south-central and southwest Alaska. *Ecology* 92: [1459-70](#).
- Schoennagel T.L., R.L. Sherriff, and T.T. Veblen. 2011. Fire history and tree recruitment in the upper montane zone of the Colorado Front Range: implications for forest restoration. *Ecological Applications* 21: [2210-2222](#).
- Platt R.W., T.L. Schoennagel, T.T. Veblen, and R.L. Sherriff. 2011. Modeling wildfire potential in residential parcels: a case study of the Colorado Front Range. *Landscape & Urban Planning* 102: [117-126](#).
- Keith R.P., T.T. Veblen, T.L. Schoennagel and R.L. Sherriff. 2010. Understory vegetation indicates historic fire regimes in ponderosa pine-dominated ecosystems in the Colorado Front Range. *Journal of Vegetation Science* 21: [488-499](#).
- Sherriff R.L. and T.T. Veblen. 2008. Variability in fire-climate relationships in ponderosa pine forests of the Colorado Front Range. *International Journal of Wildland Fire* 17: [50-59](#).
- Sherriff R.L. 2008. Writing journal articles. in [Publishing in Geography: A Guide for New Researchers](#). Eds. A. Blunt and C. Souch. Published by the Royal Geographical Society with the Institute of British Geographers. p. 10-11.
- Platt R.W., T.T. Veblen and R.L. Sherriff. 2008. Spatial model of forest management strategies and outcomes in the wildland-urban interface. *Natural Hazards Review* 9: [199-208](#).
- Sherriff R.L. and T.T. Veblen. 2007. A spatially-explicit reconstruction of fire regime types in ponderosa pine forests of the Colorado Front Range. *Ecosystems* 10: [311-323](#).
- Baker W.L., T.T. Veblen and R.L. Sherriff. 2007. Fire, fuels, and restoration of ponderosa pine and Douglas-fir forests in the Rocky Mountains, USA. *Journal of Biogeography* 34: [251-269](#).
- Sherriff R.L. and T.T. Veblen. 2006. Ecological effects of changes in fire regimes in *Pinus ponderosa* ecosystems in the Colorado Front Range. *Journal of Vegetation Science* 17: [205-218](#).
- Platt R.W., T.T. Veblen and R.L. Sherriff. 2006. Are wildfire mitigation and restoration of historic forest structure compatible? A spatial modeling assessment. *Annals of the Association of American Geographers* 96: [455-470](#).
- Hicke J.A., R.L. Sherriff, T.T. Veblen and G.P. Asner. 2004. Carbon accumulation in Colorado ponderosa pine stands. *Canadian Journal of Forest Research* 34: [1283-1295](#).
- Romme W.H., T.T. Veblen, M.R. Kaufmann, R. Sherriff and C.M. Regan. 2003. Ecological Effects of the Hayman Fire Part 1: Historical (Pre-1860) and Current (1860-2002) Fire Regimes. *Hayman Fire Case Study Analysis*. U.S.D.A. Forest Service, General Technical Report [RMRS-GTR-114](#).
- Romme W.H., M.R. Kaufmann, T.T. Veblen, R. Sherriff and C.M. Regan. 2003. Ecological Effects of the

Hayman Fire Part 2: Historical (Pre-1860) and Current (1860-2002) Forest and Landscape Structure. *Hayman Fire Case Study Analysis*. U.S.D.A. Forest Service General Technical Report [RMRS-GTR-114](#).

Sherriff R.L., T.T. Veblen and J.S. Sibold. 2001. Fire history in high elevation subalpine forests in the Colorado Front Range. *Écoscience* 8(3): [369-380](#).

SELECTED TECHNICAL REPORTS

Sherriff R.L. 2015. *Recent tree-growth responses to warming vary by forest productivity and geographic region within the boreal forest-tundra transition zone in Alaska*. Final Technical Report. National Park Service, Inventory and Monitoring Program, Southwest Alaska Network (SWAN). Natural Resource Technical Report/NPS/SWAN/NRTR – 2015. Pp. 41.

Sherriff R.L. and E. E. Berg. 2009. *Tree-ring reconstruction of historic insect outbreaks, Lake Clark National Park and Preserve*. Final Technical Report. National Park Service, Inventory and Monitoring Program, Southwest Alaska Network (SWAN). Natural Resource Technical Report/NPS/SWAN/NRTR – 2009. Pp. 44.

THESES

Sherriff, R.L. 2004. *The historic range of variability of ponderosa pine in the northern Colorado Front Range: past fire types and fire effects*. Ph.D. Dissertation. University of Colorado, Boulder, Colorado.

Sherriff, R.L. 2000. *Fire history at high elevation in the Colorado Front Range*. Master's Thesis. University of Colorado, Boulder, Colorado.

INVITED PRESENTATIONS

2016 Alaska Parks Centennial Science Symposium, Fairbanks, AK

2015 Forest Biology Research Center Seminar Series, UC Davis
Western Forest Insect Work Conference, Santa Fe, NM. *Invited by session organizer*
as part of Beetlemania: An interdisciplinary bark beetle workshop, Santa Fe, NM.

2014 3rd Klamath Fire Ecology Symposium, Orleans, CA
Western Forest Insect Work Conference, Sacramento, CA. *Invited by session organizer*
Association of Fire Ecology, Missoula, MT. *Invited by session organizer*

2013 Restoring the West Conference: Change Agents and Managing for Forest Resilience, Logan, Utah
Student Association for Fire Ecology (SAFE), Humboldt State University

2012 Invited Faculty Speech, Convocation, Humboldt State University
Emeritus and Retired Faculty Association Speaker Series, Humboldt State University

2011 Biology Department Speaker Series, Humboldt State University
Geography Department Colloquium Series, University of Oregon
Founder's Hall Colloquium Series, Humboldt State University

2010 Student Association for Fire Ecology (SAFE), Humboldt State University

2009 Ecology Speaker Series (Wildlife), Humboldt State University

Geology Department, Humboldt State University
Southwest Alaska Network (NPS) 3rd Biennial Long-term Monitoring Symposium, Seward, AK

- 2008 Southeast Division of the Association of the American Geographers Meeting
Department of Forestry, University of Kentucky
Utah Museum of Natural History & Geography Department, University of Utah
Forest Resources Department, University of Idaho
Invited Panel Discussant, Annual Meeting of the Association of American Geographers
Association of Fire Ecology, SW Regional Conference
- 2007 Invited Panel Discussant, Annual Meeting of the Association of American Geographers
Annual Science Meeting, Southwest Alaska Network, NPS, Anchorage, AK
- 2006 Geography Department, University of Kentucky
Geography Department, University of Texas, Austin
Geography Department, University of Utah
- 2005 Biology Seminar Series, University of Hawaii at Hilo
Hawaii Island Research Forum, sponsored by the USDA Forest Service, Hilo, HI
Fire History and Climate Synthesis in Western North America Workshop, Flagstaff (Poster)
Hawaii Island GIS Group Meeting, Hilo, HI
Hawaii EPSCoR Research Meeting, Hawaii Institute for Marine Biology, Oahu, HI
- 2004 Geography Department, University of Hawaii at Hilo
Geography Department, Thompson Rivers University, Kamloops, B.C.
Geography Department, Colgate University
Presentation and workshop for the Fuels Management Team, Arapaho-Roosevelt NF, CO
Colorado Forest Restoration Workshop, Glenwood Springs, Colorado (Poster)
Lecturer (2 weeks), Graduate Biogeography Seminar, University of Colorado, Boulder
- 2002-03 Research Forum sponsored by Boulder County Open Space, Boulder, CO
Rocky Mountain National Park Research Conference, Estes Park, CO
Geographic inquiry into the Southwest course, Colorado College

PROFESSIONAL PRESENTATIONS (* HSU student)

- Sherriff, R.L. 2019. A climate transition zone – drought and forest response in northern California.
Annual Meeting of the American Association of Geographers, Washington D.C.
- Sherriff, R.L. 2018. Drought and tree response in northern California. California Geographical Society
Meeting, Sacramento, CA.
- * Glebocki, R., R.L. Sherriff, J. Kane, J.M. Varner, D. LaFever. 2016. Fuel loading and moisture dynamics in
thinned coast redwood-Douglas-fir forest in Headwaters Forest Reserve, CA. Coast Redwood
Science Symposium, Eureka, CA (poster presentation)
- * Lalemand, R.L. Sherriff, P. van Mantgem. 2016. Dealing with drought: do forest thinning treatments
increase drought resistance in Redwood National Park? Coast Redwood Science Symposium,
Eureka, CA. (poster presentation)
- * Vernon M., R.L. Sherriff, P. van Mantgem. 2016. *In the face of drought: do fuel treatments promote
drought resistance in Whiskeytown National Recreation Area?* 5th Fire Behavior and Fuels
Conference, International Association of Wildland Fire, Portland, Oregon. (1st place poster

presentation)

- Sherriff R.L., A.E. Miller. 2016. *Recent tree-growth responses to warming within the boreal forest-tundra transition zone in Alaska*. AmeriDendro Meeting, Mendoza, Argentina.
- Sherriff R.L., A.E. Miller. 2015. *Recent tree-growth responses to warming vary by geographic region and ecosystem type within the boreal forest-tundra transition zone in Alaska*. American Geophysical Union Meeting, San Francisco, CA.
- Miller A.E., R.L. Sherriff, T. Wilson. 2015. *Factors affecting spruce establishment and recruitment near western treeline, Alaska*. American Geophysical Union Meeting, San Francisco, CA.
- Valachovic, Y. L. Quinn-Davidson, R. Standiford, M. Kelly, M. Potts, R. Sherriff, * M. Schriver, K. McGown, M. Eitzel, M. Varner, C. Lee, G. Giusti. 2015. *Tools for a changing landscape: understanding disturbance and vegetation dynamics in N. California oak woodlands*. 2015 Joint Strategic Initiative Conference. UC Division of Agriculture and Natural Resources. Sacramento, CA.
- Sherriff R.L., A.E. Miller, * K. Muth, * M. Schriver, * R. Batzel. 2015. *Forest response to recent warming along productivity and geographic gradients in southwest Alaska*. Annual Meeting of the Association of American Geographers, Chicago, IL.
- *Lalemand L., R. Sherriff, P. van Mantgem. 2015. *Forest response to severe drought: do restoration thinning treatments in coast redwood-Douglas-fir forests increase resiliency to drought?* George Wright Society Conference on Parks, Protected Areas, and Cultural Sites. (Poster presentation)
- *Schriver M., R.L. Sherriff. 2014. *Tree establishment patterns of Oregon white oak and California black oak woodlands in northwestern California*. 7th California Oak Symposium: Managing Oak Woodlands in a Dynamic World. Visalia, California.
- *Schriver M., R.L. Sherriff. 2014. *Stand structure variability and dynamics of Oregon white oak and California black oak woodlands across northwestern California*. Ecological Society of America. (Poster presentation)
- Sherriff R.L., A.E. Miller, * K. Muth, * M. Schriver, * R. Batzel. 2014. *Effects of climate variability on tree growth of Picea glauca across latitudinal and forest productivity gradients in southwest Alaska*. Ecological Society of America Annual Meeting, Sacramento, CA.
- Miller A.E., Sherriff, R.L., * K. Muth, * M. Schriver, * R. Batzel. 2014. *Factors affecting white spruce establishment and survival near western treeline, Alaska*. Ecological Society of America Annual Meeting, Sacramento, CA.
- *Batzel R., and R.L. Sherriff. 2013. *Tree growth response to climate variables in Southwest Alaska*. Association of Pacific Coast Geographers, Lake Tahoe, CA.
- Csank A. Z., A. E. Miller, R.L. Sherriff, E. Berg, and J. Welker. 2013. *Using $\delta^{13}C$ and $\delta^{18}O$ measurements to assess climate controls on insect-related tree mortality in south-central Alaska*. AmeriDendro Conference, Tucson, Arizona.
- Miller E.A., A.Z. Csank, R.L. Sherriff, E.E. Berg, J.M. Welker. 2013. *Insect-related tree mortality in south-central Alaska may be controlled by prior drought stress as indicated by $\delta^{13}C$ and $\delta^{18}O$ in tree rings*. AGU Fall Meeting, San Francisco, CA.
- Varner J.M., J.K. Kreye, R.L. Sherriff, M. Metz. 2013. *A multi-scale conceptual model of fire and disease interactions in North American forests*. AGU Fall Meeting, San Francisco, CA.
- Csank A. Z., R.L. Sherriff, A. E. Miller, E. Berg, and J. Welker. 2012. *Insect-related tree mortality in south central Alaska may be controlled by prior drought stress as indicated by $\delta^{13}C$ and $\delta^{18}O$ in tree rings*. Poster Presentation, American Geophysical Union Annual Meeting, San Francisco, CA.
- Sherriff R.L., R.V. Platt, T.T. Veblen, T.L. Schoennagel, and M.H. Gartner. 2012. *Comparison of past, present and future fire potential in montane forests of the Colorado Front Range*. 5th International Fire Ecology and Management Congress, Portland, Oregon.
- Odion D.C., C.T. Hanson, A. Arsenault, W.L. Baker, D.A. DellaSala, R. Hutto, W. Klenner, M.A. Moritz, R.L. Sherriff, T.T. Veblen, M.A. Williams. *A meta-analysis of historic and current mixed-severity*

- fire in the drier forests of western North America*. 5th International Fire Ecology and Management Congress, Portland, Oregon.
- Sherriff R.L., A.E. Miller, * K. Muth, and * M. Schriver. 2012. *Tree growth and mortality responses to climate and disturbance across a broad forest gradient in southwest Alaska*. Ecological Society of America Annual Meeting, Portland, Oregon.
- Miller A.E., and R.L. Sherriff. 2012. *Stand age structure, mortality, and seedling recruitment across a forest gradient in southwest Alaska*. Ecological Society of America Annual Meeting, Portland, Oregon.
- *Schriver M.R., R.L. Sherriff, * R.B. Olson, and D.H. LaFever. 2011. *Successional recovery on old-growth and second-growth decommissioned roads in redwood (Sequoia sempervirens) forest ecosystems in the Headwaters Forest Reserve*. Poster, California Geographic Society Meeting, Davis, CA.
- Sherriff R.L., and A.E. Miller. 2011. *Stand age structure and growth responses to disturbance and climate variability in forest monitoring plots, Southwest Alaska Network*. 2011 Southwest Alaska Park Science Symposium, Anchorage, Alaska.
- Sherriff R.L., D. H. LaFever, * A. Smith, and * A. Ballinger. 2011. *Forest Regeneration on Decommissioned Roads in Redwood (Sequoia sempervirens) Forest Ecosystems in the Headwaters Forest Reserve*. Poster Presentation, Redwood Science Symposium: Coast Redwood Forests in a Changing California, Santa Cruz, CA.
- Sherriff R.L. 2011. *Effects of climate variability on spruce bark beetle (Dendroctonus rufipennis) activity in south-central Alaska*. International Biogeography Society Meeting, Iraklion, Crete, Greece.
- Sherriff R.L. 2009. *Climate and spruce bark beetle (Dendroctonus rufipennis) interactions in south-central Alaska* (presentation). Co-session organizer of 4 sessions: *Insect outbreaks and forest ecosystems: patterns, causes and impacts*, Annual Meeting of the Association of American Geographers, Las Vegas.
- Gartner M.H., T.T. Veblen, T. Schoennagel, and R.L. Sherriff. 2009. *Fire history of ponderosa pine-dominated forests in the central Colorado Front Range: topography, climate, and land-use*. Annual Meeting of the Association of American Geographers, Las Vegas.
- Schoennagel. T., T.T. Veblen, and R.L. Sherriff. 2009. *Current tree densities linked to late-19th century high-severity fires in Colorado Front Range upper montane forests*. Annual Meeting of the Ecological Society of America, Albuquerque, New Mexico.
- Sherriff R.L. 2008. *Tree-ring reconstructions of spruce bark beetle (Dendroctonus rufipennis) outbreaks on the Alaska Peninsula*. AmeriDendro Conference, Vancouver, B.C. Canada.
- Sherriff R.L., E. Berg and A.E. Miller (presenter). 2008. *Tree-ring reconstructions of spruce bark beetle (Dendroctonus rufipennis) outbreaks in Lake Clark National Park and Preserve, Alaska*. Annual Meeting of the Ecological Society of America, Milwaukee, WI.
- Sherriff R.L. 2008. *Dendroecological reconstruction of spruce bark beetle (Dendroctonus rufipennis) outbreaks in Lake Clark National Park and Preserve, Alaska*. Annual Meeting of the Association of American Geographers, Boston, MA.
- Sherriff R.L., E. Berg and A. Miller (presenter). 2008. *Tree-ring evidence for historic bark beetle outbreaks in southwest Alaska*. Western Alaskan Interdisciplinary Science Conference and Forum. Dillingham, Alaska.
- Sherriff R.L. and T.T. Veblen. 2007. *Variability in fire-climate relationships along an elevation gradient in ponderosa pine forests in the Colorado Front Range*. Annual Meeting of the Association of American Geographers, San Francisco, CA.
- Sherriff R.L. and T.T. Veblen. 2005. *Spatial variability of historical fire regimes in the ponderosa pine forests of the northern Colorado Front Range*. Presentation and session organizer of Western Forest Dynamics. Annual Meeting of the Association of American Geographers, Denver, CO.
- Sherriff R.L. and T.T. Veblen. 2004. *The historic range of fire types and fire effects in the ponderosa pine*

- Forests of the northern Front Range*. Annual Meeting of the Ecological Society of America, Portland, OR.
- Sherriff R.L. and T.T. Veblen. 2004. *Predicting areas of different fire regime types in ponderosa pine forests of northern Colorado*. Annual Meeting of the Association of American Geographers, Philadelphia, PA.
- Sherriff R.L., T.T. Veblen and J.S. Sibold. 2002. *Fire history at high elevation in the Colorado Front Range*. 1st place Ph.D. Student Paper Award, Biogeography Specialty Group, Annual Meeting of the Association of American Geographers, Los Angeles, CA.
- Hicke J.A., G.P. Asner, R.L. Sherriff and T.T. Veblen. 2002. *Using dendroecology to assess the impact of forest encroachment on the carbon budget*. Poster. Annual Meeting of the Ecological Society of America, Tucson, AZ.
- Sherriff R.L., T.T. Veblen and J.S. Sibold. 2001. *Fire history in high elevation subalpine forests in the Colorado Front Range*. Poster. Annual Meeting of the Ecological Society of America, Madison, WI

TEACHING AND ADVISING

Humboldt State University (Fall 2009 – present)

GEOG 106: Physical Geography
 GEOG 106L: Physical Geography Depth Experience/Lab
 GEOG 311: Geographic Research and Writing
 GEOG 411: Senior Field Research
 GEOG 469: Geography Field Experience
 GEOG 473: Biogeography
 GEOG 473M: Biogeography Depth Experience
 GEOG 473: Interdisciplinary Perspectives on Climate Change
 GEOG 473M: Climate Change Film Seminar / Depth Experience
 GEOG 356: Global Ecology and Biogeography
 GEOG 356M: Global Ecology and Biogeography Depth Experience
 GEOG 357: Climate Change, Ecosystems and People
 GEOG 357M: Climate Change, Ecosystems and People Depth Experience
 GEOG 499: Directed Study
 FWWS 580: Disturbance Ecology Seminar
 FWWS 699: Directed Study
 FWWS 695: Field Research Problems

University of Kentucky (Fall 2007 – Spring 2009)

GEO 565: Landscape Ecology (graduate/undergraduate course)
 BIO / GEO 530: Biogeography and Conservation (graduate/undergraduate course)
 GEO 310: Quantitative Techniques in Geography
 GEO 130: Earth's Physical Environment

University of Hawaii at Hilo (Spring 2005 – Spring 2007)

Graduate courses: Tropical Conservation Biology & Environmental Science (TCBES) Program
 CBES 670: Advanced Techniques in GIS
 CBES 694: Landscape Ecology
 CBES 699: Advanced Applications in GIS

Undergraduate courses: Geography and Environmental Studies
 GEOG 101: Geography and the Natural Environment

GEOG 201: Interpretation and Field Analysis of Geographic Data
GEOG 480: Geographic Information Systems
GEOG 494: Landscape Ecology

Current Advising and Research Assistants

Research Technicians

Kelly Muth (BS 2012, Geography, Research Technician 2012 - present)
Sean Fleming (BS 2018, Geospatial/Environ. Science, Research Technician 2018-present)

Graduate Research Assistants/Advisees

Zachary Wenderott (2018-present, Forest and Wildland Sciences, co-advisor P. van Mantgem)
The effectiveness of prescribed fire treatments during persistent and severe drought in a mixed-conifer forest of Lassen Volcanic National Park, California

Wallis Robinson (2019-present, Forest and Wildland Sciences, co-advisor L. Kerhoulas)
Assessing conifer drought response using carbon isotopes in the Klamath Ecoregion

Gabriel Roletti (2019-present, Forest and Wildland Sciences, co-advisor L. Kerhoulas)
Differential growth response of conifers to drought across gradients of climate and competition in the Klamath Ecoregion

Sophia Lemmo (2020-present, Forest and Wildland Sciences, co-advisor L. Kerhoulas)
Tree mortality and regeneration across competitive and geographic gradients in Northern California

Graduate Committee

Brandy Clark (Anthropology)
Abigail Jones (Forest and Wildland Sciences, primary advisor J. Kane)

Dendroecology Lab: Undergraduate Research Assistants

Sarah Aguiar, Asher Budnik, Ian Conway, Elizabeth Hinojosa, Suzanne Melendez, Diana Orozco
Brigitte Price, Colleen Smith, Sarah Bandali

Academic advising: Approximately 40-50 undergraduate geography majors and environmental studies majors each year

Prior Advising and Research Assistants / Technicians

Research Technician

Micah Wright (Research Technician, 2016 - 2018)
Ariel Cowan (2017)

Graduate Students (HSU unless noted otherwise)

Jill Beckmann, MS 2019 (Forest and Wildland Sciences, graduate advisee)
Competition, climate, and drought effects on tree growth in an encroached oak woodland in Northern California

Caroline Martorano, MS 2019 (Forest and Wildland Sciences, primary advisor J. Kane)
Long-term effectiveness of fuel treatments in oak and chaparral stands of Northern California

Laura Lalemand, MS 2018 (Forest and Wildland Sciences, co-advisor P. van Mantgem)
Response to severe drought: does restoration thinning in coast redwood-Douglas-fir forests increase tree tolerance to drought in Redwood National Park, California

Michael Vernon, MS 2017 (Forest and Wildland Sciences, graduate advisee)
Does forest management confer resistance and resilience during severe drought conditions in the Klamath Mountain Ecoregion, California?

Hollie Ernest, MS 2016 (Forest and Wildland Sciences, primary advisor Susan Marshall)
Root and soil carbon distribution in Douglas-fir-tanoak forest in Humboldt County, California

Jenell Jackson, MS 2016 (Biology, primary advisor Erik Jules)
Understanding regeneration, disease dynamics, and mortality history of Whitebark pine in Crater Lake and Lassen National Parks

Andrew Slack, MS 2016 (Forest and Wildland Sciences, primary advisor J. Kane)
Sugar pine resiliency and mortality in a fire-excluded mixed-conifer forest

Radoslaw Glebocki, MS 2015 (Forest and Wildland Sciences, graduate advisee)
Fuel loading and moisture dynamics in thinned coast redwood-Douglas-fir forests in Headwaters Forest Reserve, California

Zawisza Grabinski-Parker, MS 2015 (Forest and Wildland Sciences, graduate advisee, research technician 2015-2016)
Reburn severity interactions over 30 years in the Klamath Mountain Ecoregion, California, USA

Madelinn Schriver, MS 2015 (Forest and Wildland Sciences, graduate advisee)
Stand and tree growth characteristics of Quercus Garryana and Quercus Kelloggi woodlands in Northwestern California

April Sahara, MS 2012 (Biology, committee member, primary advisor Erik Jules)
Assessment and prediction of tree encroachment into a serpentine Jeffrey pine savanna

Matthew Cocking, MS 2011 (Forest and Wildland Sciences, co-advised a chapter, primary advisor J.M. Varner III)
The effects of native conifer encroachment and importance of high-severity wildfire in fire-excluded California black oak ecosystems of northern California

Paul Bradway, MA 2010, University of Kentucky (Geography, graduate advisee)
Presettlement forest composition of the Inner Bluegrass region of Kentucky, USA

Melora Purell, MS 2006, University of Hawaii at Hilo (Tropical Conservation Biology and ENVS Program, committee member) *Predicting the potential distribution of an invasive plant using stratified sampling and habitat modeling*

Roland Frayne, MS 2006, University of Hawaii at Hilo (Tropical Conservation Biology and ENVS Program, committee member)

Examining the comparative foraging proficiency of captive-bred and wild palila (Loxioides bailleui), an endangered Hawaiian honeycreeper

Prior Advising and Research Assistants - Undergraduate Students

Dendroecology Lab, HSU (Undergraduate Research and Teaching Assistants, 2009-2019)

Kristopher Anderson (RA and TA), Alysia Ballinger (RA and TA), Rebecca Batzel (RA & Senior Project), Courtney Brown (REU), Tracy Gatumu (RA), John Grimes (RA), Joshua Hawk (TA), Jocelyn Keranen (TA), Nicholas Klein-Baer (TA), Alicia Iverson (RA and TA), Kelly Muth (RA and TA), Crystal Nuenschwander (RA), Richard Olsen (RA), Allison Potts (RA), Jacob Ruiz (TA), Madelinn Schriver (RA & Senior Project), Andrew Smith (RA & Senior Project), Daniel Snow (RA), Emelie Traub (RA), Russell Walls (RA & TA), Sheamus Vaughn (RA), Olivia Zotter (RA)

University of Kentucky (Undergraduate Research Assistants, 2007-2009)

Paul Bradway, Adam Gamblin, Lauren Bolender, Stephanie Houck, Kaelin Goff, Calvin Harmin

University of Hawaii-Hilo (Undergraduate Research Assistants, 2005-2007)

Ariel Starr, Jonathan Carbone*, Dania Herrera, Cisco Pagan (Keaholoa STEM Internship Program), Jason Puniwai (Keaholoa STEM Internship Program)

*Funded student to participate in 2006 North Amer. Dendroecological Fieldweek, Newport, OR

University of Colorado at Boulder (Undergraduate Research Assistants, 2000-2004)

SURE and UROP Programs (10 students, 2001-2003), Undergraduate Research Assistants (8 students, 2000-2004)

PROFESSIONAL AND UNIVERSITY SERVICE

AY 2020-2021

Sabbatical

AY 2019-2020

Hiring committee, Executive Director, Sponsored Programs Foundation and Research Office, HSU
Course and Degree Change subcommittee chair, Integrated Curriculum Committee, HSU
Personnel committee, Native American Studies, HSU
Personnel committee, Geography, Environment & Spatial Analysis, HSU
Personnel committee, Religious Studies, HSU
Personnel committee, History, HSU
NSF proposal reviewer
Editorial board member, *Forests*

AY 2018-2019

Global Humboldt undeclared student First-year Experience Coordinator, HSU
Hiring committee, tenure-track Environmental Studies, HSU
Co-editor, *California Geographer* Journal
Personnel committee (non-tenure), Environmental Studies, HSU
Personnel committee (non-tenure and tenure-track), Geography, HSU
Personnel committee (post-tenure review), Geology, HSU
Personnel committee (tenure-track), History, HSU

AY 2017-2018

Global Humboldt Undeclared Student First-year Experience, AY 18/19 Planning Coordinator, HSU
College Budget Committee, College of Arts, Humanities and Social Sciences, HSU
Hiring Committee, tenure-track Environmental Studies, HSU
Personnel committee (tenure-track), History, HSU
Personnel committee (non-tenure track), Politics, HSU
Co-editor, *California Geographer* Journal

AY 2016-2017 (also see below)

Personnel committee e (tenure-track), History, HSU
Personnel committee (non-tenure track), Politics, HSU
Co-editor, *California Geographer* Journal

AY 2015-2016 (also see below)

College budget committee, College of Arts, Humanities and Social Sciences, HSU
Hiring committee, tenure-track Geospatial/Cartography position, Geography, HSU
Hiring committee, Administrative Staff, Geography and Environmental Studies Programs
Proposal reviewer (2016): NSERC, NSF
Research and curriculum working group, Climate Action Planning, HSU (part of HSU's Strategic Plan)
Steering committee, Redwood Region Ecology and Management Conference (2016)

2014-2015 (also see below)

Hiring committee, tenure-track Geomorphology position, Geology, HSU (2 hires)
Host and co-organizer, [California Geographic Society annual meeting](#) (May 1-3, 2015) at HSU, Arcata, CA
Proposal reviewer (2015): NSF, JFSP, ArcticNet
Vice President, Board of Directors, HSU Sponsored Programs Foundation (ended Fall 2015)
Building coordinator, Founder's Hall, HSU

2014-2018

Chair, Geography Department
Faculty mentor, new tenure-track faculty in geography, history, environmental studies programs, HSU
Geospatial task force and cross-campus curriculum committee, HSU (new online certificate program development and hires, coordination of use of 4 labs, GE and multi-major curriculum, etc.)
Graduate program committee, Forest, Watershed and Wildland Sciences, HSU
Personnel committee Chair (all tenure-track, non-tenure track), Geography, HSU
Personnel committee, Environmental Studies Program, HSU
Curriculum committee, Environmental Studies Program, HSU

AY 2013-2014 Sabbatical Leave

I continued to actively serve as faculty mentor for tenure-track and non-tenure track geography and environmental studies faculty, and as the Vice President for the Board of Directors, HSU Sponsored Programs Foundation

2012-2013

Board of Directors, Sponsored Programs Foundation, HSU (3-yr position from 2012-2015)
Department personnel committee chair, Geography Department, HSU (2011-present)
External PhD Reviewer, Kathryn Hrickevich, University of Northern British Columbia, Canada (2012)
Hiring committee chair, tenure-track position, Environmental Studies, HSU
Hiring committee, tenure-track position, Cartography-Geography, HSU

Hiring committee, tenure-track position, Geospatial-Environmental Science, HSU
Interim Director, Institute for Cartographic Design, HSU
Outstanding students award committee, College of Arts, Humanities and Social Sciences, HSU
Proposal reviewer, National Science Foundation (2)

2010 – 2012

Chair, Geography Department Personnel Committee (2011-present)
Club advisor, Humboldt Geographic Society Club, HSU (Fall 2010 – Spring 2012)
Geospatial curriculum committee, HSU
Hiring committee, tenure-track position, Forestry and Wildland Resources, HSU (2012)
Hiring committee, Associate Dean position, CAHSS, HSU (2011)
Hiring committee, tenure-track (1) & non-tenure track (1) positions, Geography, HSU (2011-2012)
Hiring committee chair, tenure-track position, Geography, HSU (2010 – 2011)
Installation and management of [HSU weather station](#)
Judge, AAG Student Paper Competition (2011)
Proposal review panel, Joint Fire Science Program- JFSP
Proposal reviewer, National Science Foundation

2009 – 2010

Department-level committees, Geography, HSU (2009-present)
Development of the [Dendroecology Lab](#) to support undergraduate and graduate research, HSU
Hiring committee, Geography, HSU

2007 - 2009

Biogeography Group board member, Association of American Geographers (AAG)
Co-session organizer (4 sessions at the March 2009 AAG conference)
Hiring and personnel committee, Geography, University of Kentucky (2007 – 2009)
Merit reviewer, National Science Foundation
Proposal reviewer, National Science Foundation (4)
Reviewer, student paper award, Biogeography Specialty Group, AAG
Reviewer, PhD student proposal award, Biogeography Specialty Group, AAG
Reviewer, student paper award, AmeriDendro Conference, Vancouver, B.C. (2008)
Steering committee, GIS and Physical Geography Labs, University of Kentucky (2007 – 2009)
Undergraduate committee, Geography, University of Kentucky (2008 – 2009)

2005 - 2007

Committee, Spatial Data Analysis Lab, University of Hawaii at Hilo
Co-organizer, interdisciplinary ecology seminars, University of Hawaii at Hilo
ENVS BA/BS development committee, University of Hawaii at Hilo
ENVS program representative for University of Hawaii Regents
Fieldtrip organizer, *Fire and Forest Management in the Colorado Front Range*, AAG (2005)
Geography tenure-track search committee, University of Hawaii at Hilo
IT for environmental research committee, University of Hawaii at Hilo
Reviewer, student paper award, Biogeography Specialty Group, AAG
Session organizer, *Western Forest Dynamics*, Annual Meeting of the AAG, Denver, CO (2005)

Periodic manuscript reviews (2001-present):

Annals of the Association of American Geographers, Anthropocene, Canadian Journal of Forest Research, Climate Change, Ecology, Ecological Applications, Ecological Monographs, Écoscience, Ecosphere, Forests, Forest Ecology and Management, Journal of Biogeography, Global Ecology and Biogeography, International Journal of Wildland Fire, Journal of Geography, Journal of Forestry, Journal of Ecology, Journal of Vegetation Science, Landscape Ecology, Madroño, Physical Geography, PLOS ONE, Southwestern Naturalist, Western North American Naturalist

Data submissions to public database (100s of site-level datasets): Paleo-fire history contribution, [International Multiproxy Paleofire Database](#), NOAA National Climatic Data Center

OUTREACH EXAMPLES

- Colorado's Front Range fire severity today not much different than in past, says [CU-Boulder study](#) (or see [Denver Post](#) or [ClimateWire](#))
- [High Country News](#) article "Fire scientists fight over what Western forests should look like"
- Research outreach for the Southwest Alaska Network, National Park Service. For examples of online information view the following links: [Resource Briefs](#) and [Science Symposiums](#)
- [The Chronicle of Higher Education](#) article "Junior Professors: Juggling Teaching, Research, and Advice" as part of a special issue on academic workplace

COMMUNITY SERVICE EXAMPLES

- [Climate Deliberations](#) on campus and community (2019)
- Annual Geography Bee, Jacoby Creek School, Arcata, CA (2013- 2019)
- Developed an Osher Lifelong Learning Institute (OLLI) course (May 2014) titled [Climate change, water and forests in the North Coast region, California](#) where I organized and facilitated a series of presentations, discussions and fieldtrips with HSU faculty and local experts (USGS, other agencies) for community members.