

CURRICULUM VITAE

NAME: Tracey N. Johnson

DATE: 01/17/2025

RANK OR TITLE: Associate Professor

DEPARTMENT: Fish & Wildlife Sciences

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DATE OF TENURE: 2023

DATE OF PRESENT RANK OR TITLE: 2019 (Director of Research), 2023 (Associate Professor)

EDUCATION BEYOND HIGH SCHOOL:

Ph.D., Wildlife Science, 2011, Oregon State University, Corvallis, Oregon

M.S., Biology, 2006, Kansas State University, Manhattan, Kansas

B.S., Psychology, 2001, Texas A&M University, College Station, Texas

EXPERIENCE:

Teaching, Extension, and Research Appointments:

2023 – present	Associate Professor, Department of Fish and Wildlife Sciences, University of Idaho
2016 – 2023	Assistant Professor, Department of Fish and Wildlife Sciences, University of Idaho
2016 – present	Member of Ecology and Conservation Biology Faculty
2016 – present	Member of Environmental Science Faculty
2016 – present	Member of Rangeland Center Faculty
2015 – 2018	Adjunct Assistant Professor, Department of Zoology and Physiology, University of Wyoming
2014	Postdoctoral Research Associate, U.S.G.S. Wyoming Cooperative Fish and Wildlife Research Unit, University of Wyoming

2010 – 2013	Postdoctoral Research Associate, Zoology and Physiology, University of Wyoming
2006 – 2010	Graduate Research/Teaching Assistant, Department of Fisheries and Wildlife, Oregon State University
2003 – 2006	Graduate Research/Teaching Assistant, Division of Biology, Kansas State University

Academic Administration Appointments:

2018 – present	Director of Research, Rinker Rock Creek Ranch, University of Idaho
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Consulting:

2014 – 2016	Research Biologist and Project Manager, Western EcoSystems Technology, Inc., Laramie, Wyoming
2009 – 2012	Biologist (on-call), Tetra Tech EC, Inc., Portland, OR

TEACHING ACCOMPLISHMENTS:

Areas of specialization: Habitat and Rangeland Ecology, Community Ecology, Riparian Ecology

Courses taught at UI:

Wildland Habitat Ecology and Assessment (WLF411/511), 2016-2023, 2 cr, enrollment 25-65
Riparian Ecology (Co-taught with Brian Kennedy; FISH430), 2017-2020, 3 cr, enrollment 15-23
Community Ecology (WLF522), 2018-2022, 2 cr, enrollment 9-15
Integrated Field Studies in Rangelands (co-taught with Jason Karl, Eva Strand; REM460), 2020-2023, 1 cr, enrollment 16-25
Renewable Natural Resources Internship (WLF398), 2017-2020, 1 cr, enrollment 2-6
Directed Study: Sage-grouse Habitat Sampling (WLF499), 2020, 1 cr, enrollment 1

Courses taught at other universities:*Primary instructor:*

General Ecology (LIFE 3400), 2013, 3 cr, enrollment ~80, University of Wyoming
Museum Curation (FW 499/599), 2009, 2 cr, enrollment 10, Oregon State University

Teaching assistant:

Organismic Biology (BIOL 201), 2005-06, 5 cr, enrollment per lab ~30, Kansas State University

Principles of Biology (BIOL 198), 2004-05, 4 cr, enrollment per studio ~50-60, Kansas State University

Graduate students advised as major professor:

2024 – present: Colter Rowe, Environmental Science, MS non-thesis

2022 – present: Kassandra Townsend, PhD student, Wildlife (co-advisor)

2022 – present: Kirby Lau, MS student, Wildlife (co-advisor)

2019 – 2023: Sarah McIntire, MS student, Wildlife

2017 – 2022: Aaron Young, PhD student, Wildlife

2019 – 2021: Kenneth Randall, MS student, Wildlife (co-advisor)

2017 – 2020: Jordan Rabon, MS student, Wildlife

2017 – 2019: Keri York, MS student, Animal Science (co-advisor)

2016: Paul Cañada, Environmental Science, MS non-thesis

Student committee membership:

2023 – present: Walker Field, MS **UI**

2021 – present: Jessica Hull Jones, PhD **UI**

2023 – 2024: Reese Wray, MS **UI**

2022 – 2024: Zachary Huling, MS **UI**

2022: Kassandra Townsend, PhD **UI**

2020- 2022: Georgia Harrison, PhD **UI**

2021: Hana Haakenstad, Honors Thesis Committee **UI**

2019 – 2021: Charles Jones, MS, Forest, Rangeland, and Fire Sciences **UI**

2017 – 2020: Micah Russell, PhD, Water Resources **UI**

2017 – 2019: Laura Ehlen, MS, Wildlife **UI**

2017 – 2019: Eamon Harrity, MS, Wildlife **UI**

2017: Sarah Murff, MFA, Art **UI**

2016 – 2022: Jessica Stitt, PhD, Wildlife **UI**

2012 – 2014: Anikka Mahoney, MS, **University of Wyoming**

Undergraduate Research Mentoring:

Senior thesis

2019 – 2020: Melissa Galindo, Ecology and Conservation Biology

2018 – 2019: Kaleala Bass, Ecology and Conservation Biology

2017 – 2018: Kendra Allgier, Ecology and Conservation Biology

2017 – 2018: Lindsay Latham, Ecology and Conservation Biology

Directed Study

2022: Kassandra Ehl, Environmental Science

2020: Shannon Wilkey, Wildlife Resources

Total Undergraduate Advisees to date: 26

SCHOLARSHIP ACCOMPLISHMENTS:

Refereed Publications: * indicates a graduate student that I advised or mentored; ** indicates an undergraduate student that I mentored.

25. Young, A.C.*, and T. N. Johnson. 2024. Expanding and invading plant species in sagebrush steppe affect multiple aspects of small-mammal ecology. *Journal of Wildlife Management*: e22548. <https://doi.org/10.1002/jwmg.22548>.
24. Young, A.C.*, T.E. Katzner, D. Shinneman, and T.N. Johnson. 2023. Implications of tree expansion in shrubland ecosystems for two generalist avian predators. *PLoS One*: 18(6): e0286478. <https://doi.org/10.1371/journal.pone.0286478>
23. Chalfoun, A., T.N. Johnson, and J. Schaffer. 2023. Rangeland Songbirds IN L. McNew, J. Beck, and D. Dahlgren (Eds.), *Rangeland Wildlife Ecology*. Springer Publishing. (invited).
22. Randall, K.J.*, M.J. Ellison, J.V. Yelich, W.J. Price, and T.N. Johnson. 2023. Changes in forage quality and cattle performance with short-duration grazing of mesic meadows in the intermountain West. *Rangeland Ecology & Management* 87: 13-21. <https://doi.org/10.1016/j.rama.2022.10.005>
21. Randall, K.J.*, M.J. Ellison, J.V. Yelich, W.J. Price, and T.N. Johnson. 2022. Managing forbs preferred by greater sage-grouse and soil moisture in mesic meadows with short-duration grazing. *Rangeland Ecology & Management* 82: 66 – 75. <https://doi.org/10.1016/j.rama.2022.02.008>
20. Rabon, J.C.*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2021. Does reproductive status influence habitat selection by female greater sage-grouse in a sagebrush-juniper landscape? *Rangeland Ecology & Management* 79: 150-163. <https://doi.org/10.1016/j.rama.2021.08.008>
19. Rabon, J.C.*, C.M.V. Nuñez, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2021. Ecological correlates of fecal corticosterone metabolites in female greater sage-grouse (*Centrocercus urophasianus*) in a landscape with western juniper (*Juniperus occidentalis*). *Canadian Journal of Zoology* 99: 812–822. [dx.doi.org/10.1139/cjz-2020-0258](https://doi.org/10.1139/cjz-2020-0258)

18. McCarley, T.R., T.M. Ball, J.L. Aycrigg, E.K. Strand, L.K. Svancara, J.S. Horne, T.N. Johnson, M.K. Lonnerker, and M. Hurley. 2020. Predicting fine-scale plant species distribution to inform ungulate nutrition. *Ecological Informatics* 60: 101170. <https://doi.org/10.1016/j.ecoinf.2020.101170>
17. Rabon, J.C.* , S.E. McIntire*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2020. Brood parasitism of greater sage-grouse by California quail in Idaho. *Western North American Naturalist* 80: 569-572. <https://scholarsarchive.byu.edu/wnan/vol80/iss4/18/>
16. McIntire, S.E.* , J.C. Rabon*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2020. Greater sage-grouse chick killed by Great Basin gopher snake. *Western North American Naturalist* 80: 70-73. <https://scholarsarchive.byu.edu/wnan/vol80/iss1/7>
15. York, K.J.* , T.N. Johnson, J.V. Yelich, W.J. Price, and M.J. Ellison. 2019. Mesic meadow response to varying levels of grazing utilization in south-central Idaho. *Translational Animal Science*; Volume 3(1): 1658-1663. <https://doi.org/10.1093/tas/txz050>
14. Johnson, T.N., K.L. Kosciuch, P.J. Sikes, A.K. Arnold. 2019. Influence of age and dispersal on reproductive success of Cliff Swallows. *Texas Journal of Science* 71: article 6. https://doi.org/10.32011/txjsoci_71_1_Article6
13. Johnson, T.N., K. Nasman, Z. P. Wallace, L. E. Olson, J. R. Squires, R. M. Nielson, and P.L. Kennedy. 2019. Survey design for broad-scale, territory-based occupancy monitoring of a raptor: ferruginous hawk (*Buteo regalis*) as a case study. *PLoS One*: 10.1371/journal.pone.0213654.
12. Kennedy, P.L., J.B. Fontaine, R.J. Hobbs, T.N. Johnson, R. Boyle, and A.S. Lueders. 2018. Do novel ecosystems provide habitat value for wildlife? Revisiting the physiognomy vs. floristics debate. *Ecosphere* 9: e02172. <https://doi.org/10.1002/ecs2.2172>
11. Sandercock, B.K., M. Alfaro-Barrios, A.E. Casey, T.N. Johnson, T.W. Mong, K.J. Odom, K.M. Strum, and V.L. Winder. 2015. Effects of grazing and prescribed fire on resource selection and nest survival of upland sandpipers in an experimental landscape. *Landscape Ecology* 30: 325-337. doi: 10.1007/s10980-014-0133-9
10. Johnson, T.N., S.W. Buskirk, G. Hayward, and M.G. Raphael. 2015. Timber harvest interacts with broad-scale forest mortality to affect site occupancy dynamics of a vertebrate seed predator. *Forest Ecology and Management* 340: 95-102. doi:10.1016/j.foreco.2014.12.030.
9. Johnson, T.N., S.W. Buskirk, G. Hayward, and M.G. Raphael. 2014. Tree mortality after synchronized forest insect outbreaks: effects of tree species, bole diameter, and cutting history. *Forest Ecology and Management* 319: 10-17. doi:

10.1016/j.foreco.2014.01.047.

8. Schmalz, H.J., R.V. Taylor, T.N. Johnson, P.L. Kennedy, S.J. DeBano, B. Newingham, and P.A. McDaniel. 2013. Soil morphologic properties and cattle stocking rate affect dynamic soil properties. *Rangeland Ecology and Management* 66: 445-453. <https://doi.org/10.2111/REM-D-12-00040.1>
7. Saab, V., Q. Latif, M. Rowland, T.N. Johnson, A.D. Chalfoun, S.W. Buskirk, J. Heyward and M. Dresser. 2014. Ecological consequences of mountain pine beetle outbreaks for wildlife in western North American forests. *Forest Science* 60: 539-559. *Invited*. <https://doi.org/10.5849/forsci.13-022>
6. Johnson, T.N., P.L. Kennedy, and M.A. Etterson. 2012. Nest success and cause-specific nest failure of grassland passerines breeding in prairie grazed by livestock. *Journal of Wildlife Management* 76:1607-1616. <https://doi.org/10.1002/jwmg.437>
5. Kimoto, C., S.J. DeBano, R.W. Thorp, H. Schmalz, R.V. Taylor, T. DelCurto, T.N. Johnson, P.L. Kennedy, and S. Rao. 2012. Short-term responses of native bees to livestock and implications for managing ecosystem services in grasslands. *Ecosphere* 3:88. <http://dx.doi.org/10.1890/ES12-00118.1>
4. Johnson, T.N., P.L. Kennedy, T. DelCurto, and R.V. Taylor. 2011. Bird community responses to cattle stocking rates in Northwest Bunchgrass prairie. *Agriculture, Ecosystems & Environment* 144: 338-346. <https://doi.org/10.1016/j.agee.2011.10.003>
3. Johnson, T.N. and B.K. Sandercock. 2010. Restoring tallgrass prairie and grassland bird populations in tall fescue pastures with winter grazing. *Rangeland Ecology and Management* 63: 679-688. <https://doi.org/10.2111/REM-D-09-00076.1>
2. Johnson, T.N., R.D. Applegate, D.E. Hoover, P.S. Gipson, and B.K. Sandercock. 2009. Evaluating avian community dynamics in restored riparian habitats with mark-recapture models. *Wilson Journal of Ornithology* 121: 22-40. <https://doi.org/10.1676/07-044.1>
1. Johnson, T.N. and B.K. Sandercock. 2005. Winter-grazing increases native prairie grasses in fescue-dominated pastures (Kansas). *Ecological Restoration* 23:115-116. *Invited*.

Refereed manuscripts in review: * indicates a graduate student that I advised or mentored; ** indicates an undergraduate student that I mentored

1. Young, A.C.*, T.E. Katzner, D. Shinneman, and T.N. Johnson. Stemming the decline of sagebrush songbirds: woody plant expansion and removal. *Restoration Ecology*; in revision.

Manuscripts in final stages of preparation:

3. Shinneman, D., S.K. McElroy, S. Poessel, R.L. Downing, T.N. Johnson, A. Young, T. Katzner. Ecological effects of pinyon-juniper removal in the western United States. *Rangeland Ecology & Management*; in preparation.
2. McIntire, S. P.S. Coates, and T.N. Johnson. Woody plant expansion drives habitat use in a mesopredator community. *Ecosphere*; in preparation.
1. McIntire, S. P.S. Coates, and T.N. Johnson. Woody plant expansion increases rates of nest predation for an at-risk species. *Biological Conservation*; in preparation.

Other publications:

Kennedy, P.L., T. DelCurto, S.J. DeBano, R.V. Taylor, T.N. Johnson, S. Wyffels, C. Kimoto, H. Schmalz, and R. Limb. Is livestock grazing sustainable in a northeast Oregon grassland? IN Glaser, A., ed. 2012. *America's Grasslands Conference: Status, Threats, and Opportunities. Proceedings of the 1st Biennial Conference on the Conservation of America's Grasslands*. August 15-17, 2011, Sioux Falls, SD. Washington, DC and Brookings, SD: National Wildlife Federation and South Dakota State University.

Invited Research Presentations:

15. Johnson, T.N., K. Randall, and M. Ellison. 2020. Mesic meadow response to grazing utilization in south-central Idaho. Annual Meeting of the Society for Range Management, Idaho Chapter, Virtual Meeting.
14. Johnson, T.N. 2020. Livestock grazing as a tool for managing songbird habitat: evidence from a broad-scale grazing experiment. Symposium: "Re-focusing rangeland songbird research: connecting songbirds, land management, and critical habitat characteristics", Sponsored by the Society for Range Management Wildlife Habitat Committee, Annual Meeting of the Society for Range Management, Denver, CO.
13. Johnson, T.N. 2020. Bark beetle outbreaks in the Rocky Mountains: implications for wildlife and considerations for post-outbreak forests. Whitman College Lecture Series, Walla Walla, WA.
12. Kennedy, P.L., T.N. Johnson, and S. DeBano. 2019. Oregon's Prairies. Eastern Oregon University Range Club Annual Fundraiser, La Grande, OR.
11. Johnson, T.N., N. Garlick, D. Shinneman, T. Katzner, and D. Piliod. 2017. Multiscale assessment of wildlife response to juniper removal. Great Basin Consortium, Reno, NV.

10. Kennedy, P.L., J. Fontaine, R. Hobbs, T.N. Johnson, R. Boyle, and A. Lueders. 2017. Do novel ecosystems provide habitat value for wildlife? Revisiting the physiognomy vs. floristics debate. Eastern Oregon University Journal Club, La Grande, OR.
9. Johnson, T.N. 2016. Wildlife responses to bark beetle outbreaks: assessment and consideration for post-disturbance forests. Forest, Rangeland, and Fire Sciences Seminar Series, University of Idaho, Moscow, ID.
8. Johnson, T.N. 2016. Wildlife responses to bark beetle outbreaks: assessment and considerations for post-disturbance forests. Plenary, Central Mountains and Plains Section, The Wildlife Society, Steamboat Springs, CO.
7. Kennedy, P.L. and T.N. Johnson. 2013. Can cows, bugs, and birds co-exist in remnant grasslands of NE Oregon? Plenary, Pacific Northwest Section, Society for Range Management, Enterprise, OR.
6. Johnson, T.N., S.W. Buskirk, and G. Hayward. 2012. Coon Creek revisited: wildlife responses to beetle-caused tree mortality. USDA Forest Service, Region 2. Golden, CO.
5. Johnson, T.N., S. Buskirk, G. Hayward, M. Raphael. 2012. Vertebrate responses to beetle-caused tree mortality. Izaak Walton League, Trevelle Chapter, Laramie, WY.
4. Johnson, T.N., S.W. Buskirk, M. Raphael, and G. Hayward. 2012. Red squirrel responses to beetle-induced tree mortality in south-central Wyoming. Vertebrate Responses to Bark Beetles Research Symposium, Laramie, WY (Univ. of WY and USFS Region 2).
3. Buskirk, S.W., T.N. Johnson, and G. Hayward. 2011. Coon Creek revisited: wildlife responses to beetle-caused tree mortality. USFS Medicine Bow-Routt National Forest Annual Forest Team Leadership Meeting. Laramie, WY.
2. Johnson, T.N. and P.L. Kennedy. 2009. An experimental investigation of the effects of livestock grazing intensity on a grassland food web. Eastern Oregon University Bird Club, La Grande, OR.
1. Johnson, T.N. and P.L. Kennedy. 2009. Grassland bird community responses to grazing intensity: the influence of altered habitat structure on bird abundance. Oregon Department of Fish and Wildlife Seminar Series, ODFW Headquarters, Salem, OR.

Professional Research Presentations: *indicates a graduate student I mentored; **indicates an undergraduate student I mentored

59. Lau, K.*, T. Prather, and T.N. Johnson. 2024. Beyond the pellet: a trial of trail cameras for quantifying habitat use by greater sage-grouse (*Centrocercus urophasianus*). Annual Meeting of the Idaho Chapter of The Wildlife Society, Coeur d'Alene, ID.
58. Townsend, K., D. Oleyar, T.N. Johnson, and K. Vierling. 2024. Understanding how cavity, tree, and stand level characteristics influence tree cavity microclimates. Annual Meeting

- of the Idaho Chapter of The Wildlife Society, Coeur d'Alene, ID.
57. Shinneman, D., S. McIlroy, S. Poessel, R. Downing, T. Katzner, T.N. Johnson, and A. Young. 2024. Ecological effects of pinyon-juniper removal in the western U.S. – a synthesis of scientific research, January 2014-March 2021. Annual Meeting for the Society of Range Management, Sparks, NV.
 56. Lau, K.*, T. Prather, and T.N. Johnson. 2024. Beyond the pellet: a trial of trail cameras for quantifying habitat use by greater sage-grouse (*Centrocercus urophasianus*). Annual Meeting for the Society of Range Management, Sparks, NV.
 55. McIntire, S.E.*, P.S. Coates, and T.N. Johnson. 2023. Greater sage-grouse nest predation in a dynamic landscape: effects of western juniper expansion and removal, habitat use by predators, and nest-site selection. Annual Meeting of the Society for Range Management, Boise, ID.
 54. Johnson, T.N., C. Weskamp, J. Hall, J. Karl, K. Launchbaugh, L. Lynch, T. Prather, W. Prescott, J. Sprinkle, E. Strand, and E. Winford. 2023. Rinker Rock Creek Ranch: Collaborative rangeland management, research, and education. Annual Meeting of the Society for Range Management, Boise, ID.
 53. McIntire, S.E.*, P.S. Coates, and T.N. Johnson. 2022. Hide and seek: how broad-scale juniper removal, mesopredator habitat use, and sage-grouse nest site selection influence depredation risk. Annual Meeting of The Wildlife Society. Spokane, Washington.
 52. McIntire, S.E.*, P.S. Coates, and T.N. Johnson. 2022. Effects of broad-scale juniper removal on habitat use by mammalian mesopredators. Idaho Chapter of The Wildlife Society, Virtual Meeting.
 51. McIntire, S.E.*, P.S. Coates, and T.N. Johnson. 2022. Hide and seek: how juniper removal influences predator habitat use and depredation risk for sage-grouse. Idaho Chapter of The Wildlife Society, Virtual Meeting.
 50. McIntire, S.E.*, P.S. Coates, and T.N. Johnson. 2022. Effects of broad-scale juniper removal on habitat use by mammalian mesopredators. Annual Meeting of the Society for Range Management, Albuquerque, NM.
 49. McIntire, S.E.*, P.S. Coates, and T.N. Johnson. 2022. Hide and seek: how juniper removal influences predator habitat use and depredation risk for sage-grouse. Annual Meeting of the Society for Range Management, Albuquerque, NM.
 48. Young, A.C.* and T.N. Johnson. 2021. Stemming the decline of sagebrush songbirds: what impact will juniper removal have? Idaho Chapter of The Wildlife Society, Virtual Meeting.
 47. Randall, K.J.*, M.J. Ellison, T.N. Johnson, and J.V. Yelich. 2021. Wet meadow habitat responses to variation in grazing management: balancing habitat requirements of greater sage-grouse with livestock production. Annual Meeting of the Society for Range Management, Virtual Conference.
 46. Jones, C.W., J.W. Karl, T.N. Johnson, and T.E. Link. 2021. A UAS-based protocol for monitoring stream and riparian restoration at the reach scale. Annual Meeting of the Society for Range Management, Virtual Conference.
 45. Randall, K.J.*, M.J. Ellison, T.N. Johnson, and J.V. Yelich. 2020. Mesic meadow habitat responses to variation in grazing management. Annual Rinker Rock Creek Ranch Research Webinar. Moscow, Idaho.

44. Ellison, M., T.N. Johnson, J. Yelich, B. Price, and K. York*. 2020. Mesic meadow response to grazing utilization in south-central Idaho. Rinker Rock Creek Ranch 3rd Annual Webinar, Moscow, ID.
43. Randall, K.J.*, M. Ellison, and T.N. Johnson. 2020. Mesic meadow habitat responses to variation in grazing management practices: balancing sage-grouse habitat with livestock production. Annual Meeting of the Idaho Chapter of The Wildlife Society, Moscow, ID.
42. Young, A.C.* and T.N. Johnson. 2020. Removing juniper in the sagebrush ecosystem: testing the relationship between juniper and avian predators. Annual Meeting of the Idaho Chapter of The Wildlife Society, Moscow, ID.
41. McIntire, S.E.*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2020. Mesocarnivore occupancy in a sagebrush-juniper landscape and effects on greater sage-grouse nest failure. Annual Meeting of the Society for Range Management, Denver, CO.
40. Randall, K.J.*, M. Ellison, and T.N. Johnson. 2020. Mesic meadow habitat responses to variation in grazing management practices: balancing sage-grouse habitat with livestock production. Annual Meeting of the Society for Range Management, Denver, CO.
39. York*, K.J., Johnson, T.N., Yelich, J.V., Price, W.J., and Ellison, M.J. 2019. Mesic meadow response to grazing utilization in southcentral Idaho. American Society of Animal Science Western Section Annual Meeting. Boise, Idaho.
38. Rabon, J.C.*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2019. Habitat selection of female greater sage-grouse in a landscape with juniper woodlands. The 137th Annual Meeting of American Ornithology. Anchorage, Alaska.
37. Young, A.C.*, and T.N. Johnson. 2019. Juniper expansion in the sagebrush ecosystem: avian predator occupancy patterns and implications for Sage-Grouse habitat restoration. The 137th Annual Meeting of American Ornithology. Anchorage, Alaska.
36. Johnson, T.N., A.C. Young*, S. DeBano, and P.L. Kennedy. 2019. Grazing-induced trophic relationships and implications for grassland songbirds. The 137th Annual Meeting of American Ornithology. Anchorage, Alaska.
35. Young, A.C.*, T.E. Katzner, D.J. Shinneman, and T.N. Johnson. 2019. Effects of juniper woodland expansion on the functional composition and habitat use of sagebrush small mammal communities. Annual Meeting of the Idaho Chapter of The Wildlife Society, Boise, Idaho.
34. Rabon, J.C.*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2019. Influence of reproductive status of greater sage-grouse on habitat selection in a juniper dominated landscape. Annual Meeting of the Idaho Chapter of The Wildlife Society, Boise, Idaho.
33. Rabon, J.C.*, P.S. Coates, M.A. Ricca, and T.N. Johnson. 2019. Influence of reproductive status of greater sage-grouse on habitat selection in a juniper dominated landscape. Annual Meeting of the American Ornithology Society, Anchorage, Alaska.
32. Johnson, T.N., S. DeBano, and P.L. Kennedy. 2018. Grazing-induced trophic relationships and implications for grassland songbirds. Annual Meeting of the Society for Range Management, Sparks, NV.
31. York, K.J.*, M.J. Ellison, and T.N. Johnson. 2018. Outcomes of indirect interactions on resource availability in greater sage-grouse (*Centrocercus urophasianus*) brood-rearing habitat. 14th International Grouse Symposium, Logan, UT.
30. York, K.J.*, T.N. Johnson, and M.J. Ellison. 2018. Implications of grazing utilization of sage-grouse brood-rearing habitat in southcentral Idaho. Pacific Northwest Animal Nutrition Conference, Boise, ID.

29. York, K.J.*, T.N. Johnson, and M.J. Ellison. 2018. Implications of grazing utilization of sage-grouse brood-rearing habitat in southcentral Idaho. Annual Meeting of the Society for Range Management, Sparks, NV.
28. York, K.J.*, T.N. Johnson, and M.J. Ellison. 2018. Implications of grazing utilization of sage-grouse brood-rearing habitat in southcentral Idaho. Annual Meeting of The Wildlife Society, Idaho Chapter. Twin Falls, ID.
27. Young, A.C.*, D. Shinneman, and T.N. Johnson. 2018. Juniper removal in sagebrush communities: implications for species interactions. Annual Meeting of the Society for Range Management, Sparks, NV.
26. Young, A.C.*, T.N. Johnson, and D.J. Shinneman. 2018. Juniper removal in sagebrush communities: implications for species interactions. Idaho Chapter of The Wildlife Society, Idaho Falls, ID.
25. Rabon, J.C.* and T.N. Johnson. 2018. Juniper cover and physiological condition in greater sage-grouse. 31st Sage & Columbian Sharp-tailed Grouse Workshop, Western Association of Fish and Wildlife Agencies, Billings, MT.
24. Rabon, J.C.* and T.N. Johnson. 2018. Conifer encroachment effects on physiological condition in greater sage-grouse. Annual Meeting of the Society for Range Management, Sparks, NV.
23. Allgier, K.** and T.N. Johnson. 2017. Influences of grazing on habitat associations of Belding's Ground Squirrels (*Spermophilus beldingi*). Idaho Conference on Undergraduate Research, Boise, ID.
22. Garlick, N.*, and T.N. Johnson. 2017. Multiscale assessment of wildlife response to juniper removal. Annual Meeting of The Wildlife Society, Idaho Chapter, Boise, ID.
21. York, K.*, T.N. Johnson, and M. Ellison. 2017. Implications of grazing utilization on greater sage-grouse brood-rearing habitat. Rock Creek Research Symposium Webinar, Moscow, ID.
20. Johnson, T.N., P.L. Kennedy, S. DeBano, T. DelCurto, R.V. Taylor, and R. Limb. 2013. Herbivore-initiated indirect effects in a grassland food web. Annual Meeting of the Ecological Society of America, Minneapolis, MN.
19. Rowland, M.M., V.A. Saab, Q.S. Latif, T.N. Johnson, A.D. Chalfoun, S.W. Buskirk, and M. Dressser. 2013. Ecological consequences of mountain pine beetle outbreaks for wildlife in western North American forests. Annual Meeting of the Ecological Society of America, Minneapolis, MN.
18. DeBano, S.J., P.L. Kennedy, R.V. Taylor, T. DelCurto, C. Kimoto, H. Schmalz, T.N. Johnson, S. Wyffels, and D.E. Wooster. 2012. Livestock grazing in a Pacific Northwest US prairie: short-term impacts on soils, vegetation, invertebrate mediated functions, and grassland songbirds. University of Tokyo, Tokyo, Japan.
17. Johnson, T.N., S.W. Buskirk, M. Raphael, and G. Hayward. 2012. Long-term dynamics of site occupancy for red squirrel populations exposed to multiple disturbance types in south-central Wyoming. 19th Annual Conference of The Wildlife Society, Portland, OR.
16. Kennedy, P.L., T. DelCurto, S J. DeBano, R.V. Taylor, T.N. Johnson, S. Wyffels, C. Kimoto, H. Schmalz, and R. Limb. 2012. Responses of a Pacific Northwest bunchgrass food web to experimental manipulations of stocking rate. 65th Annual Meeting of the Society for Range Management. Spokane, WA.
15. DeBano, S.J., C. Kimoto, R.V. Taylor, H. Schmalz, P.L. Kennedy, T. DelCurto, S. Wyffels, and T.N. Johnson. 2011. Differential effects of livestock grazing intensity on

- invertebrates in the Pacific Northwest bunchgrass prairie: results of a large-scale manipulation. Annual Meeting of the Ecological Society of America, Austin, TX.
14. Kennedy, P.L., T. DelCurto, S.J. DeBano, R.V. Taylor, T.N. Johnson, S. Wyffels, C. Kimoto, H. Schmalz, and R. Limb. 2011. Responses of a Pacific Northwest bunchgrass food web to experimental manipulations of stocking rate. America's Grasslands: Status, Threats, and Opportunities, Sioux Falls, SD.
 13. Johnson, T.N., P.L. Kennedy, and M.A. Etterson. 2010. Does livestock grazing intensity influence cause-specific nest failure for grassland-breeding songbirds? 17th Annual Conference of The Wildlife Society, Snowbird, UT.
 12. Kearns, B.V.*, T.N. Johnson, T.H. Parker, and P.L. Kennedy. 2010. Does grazing intensity affect passerine egg size? Cooper Ornithological Society-American Ornithologists' Union-Society for Canadian Ornithologists 2010 Joint Meeting. San Diego, CA.
 11. Johnson, T.N., P.L. Kennedy, and M.A. Etterson. 2010. Does livestock grazing intensity influence nest failure for grassland songbirds? 63rd Annual Meeting of the Society for Range Management. Denver, CO.
 10. Kennedy, P.L., T. DelCurto, S. DeBano, R. Taylor, T.N. Johnson, S. Wyffels, H. Schmalz, and C. Kimoto. 2009. An experimental investigation of the effects of livestock grazing intensity on a grassland food web. Colorado State University, Department of Fish, Wildlife, and Conservation Biology Seminar Series, Ft. Collins, CO.
 9. Johnson, T.N. and P.L. Kennedy. 2009. Does grazing intensity affect the risk of nest predation for grassland-breeding songbirds? Annual Meeting of the Oregon Chapter of The Wildlife Society, Lincoln City, OR.
 8. Johnson, T.N. and P.L. Kennedy. 2008. Grassland bird population responses to livestock grazing intensity. Annual Meeting of the American Ornithologists' Union, Portland, OR.
 7. Johnson, T.N. and P.L. Kennedy. 2008. Livestock grazing and grassland passerine reproduction: an experimental approach. Annual Meeting of the Oregon Chapter of The Wildlife Society, Lincoln City, OR.
 6. Johnson, T.N. and B.K. Sandercock. 2006. Breeding grassland bird responses to an experimental restoration technique. Annual Meeting of the Southwestern Association of Naturalists, Colima City, Colima, Mexico.
 5. Johnson, T.N. and B.K. Sandercock. 2006. Effects of experimental restoration on native C4 grasses and breeding grassland bird communities in southeastern Kansas. Annual Meeting of The Wildlife Society, Kansas Chapter, Ft. Hayes, KS.
 4. Johnson, T.N. and B.K. Sandercock. 2005. Avian community response to riparian restoration: a novel use of robust design mark-recapture models. Annual Meeting of the American Ornithologists' Union, Santa Barbara, CA.
 3. Johnson, T.N., and B. K. Sandercock. 2005. Grassland and riparian restoration on the KSAAP: plant and bird community responses. The Audubon Society, Southeast Kansas Chapter, Parsons, KS.
 2. Kosciuch, K.L., K.A. Arnold, T.N. Johnson, and P.A. Sikes. 2002. Influence of age and dispersal on reproductive success of Cliff Swallows. Annual Meeting of the American Ornithologists' Union, New Orleans, LA.
 1. Johnson, T.N. and K. Lamonte. 2002. Distribution and reproduction of the Cuban Snowy Plover in the Florida panhandle. Choctawhatchee Audubon Society, Pensacola, FL.

Grants and Contracts:

- Winford, E., L. Lynch, and T.N. Johnson. 2024. Exploring How Spring Grazing of Meadows Effects Soil Health and Productivity. David Little Endowment; \$9,190.
- Johnson, T.N., T. Prather, and K. Lau. 2024. Non-Target Effects of Herbicide Application: Restoration Potential for Greater Sage-Grouse Habitat. David Little Endowment; \$9,674.
- Johnson, T.N., and A.D. Chalfoun. 2023. Avian community turnover in restored hayfields of Grand Teton National Park. Meg and Bert Raynes Wildlife Fund; \$3,400.
- Chalfoun, A.D., and T.N. Johnson. 2023. Effects of sagebrush restoration efforts in Grand Teton National Park on avian habitat, abundance, and diversity over time. University of Wyoming-National Park Service Research Station. (*Funds from this grant are restricted to University of Wyoming faculty*). \$5,000.
- Launchbaugh, K., E. Strand, and T.N. Johnson. 2022. Development of Comprehensive, Science-Based Grazing Management Plan for Cecil D. Andrus Wildlife Management Area, Idaho. \$13,355.
- Johnson, T.N., T. Prather, and K. Lau. 2023. Non-target effects of herbicide application: restoration potential for greater sage-grouse habitat. David Little Endowment; \$9,000.
- Prather, T., L. Jones, and T.N. Johnson. 2022. USDA Forest Service Pesticide Impact Assessment Program. Impact of annual grass removal using indaziflam on sagebrush-associated wildlife. \$110,268.
- Becker, D. and T.N. Johnson. FY2022 U.S. Department of Education Congressionally Directed Awards. \$1,325,000.
- Aycrigg, J. and T.N. Johnson. 2020. Toward understanding interactions between large herbivores and abiotic factors on plant species distributions in sagebrush systems: a pilot study to validate predictive spatially-explicit models of forage. Idaho NSF EPSCOR GEM3 Seed Funding \$41,500.
- Ellison, M., T.N. Johnson, and K.J. Randall. 2020. Mesic meadow habitat responses to variation in grazing management practices: balancing habitat requirements of greater sage-grouse with livestock production. David Little Endowment; \$6,498.
- Johnson, T.N., M. Ellison, and K.J. Randall. 2019. Mesic meadow habitat responses to variation in grazing management practices: balancing habitat requirements of greater sage-grouse with livestock production. David Little Endowment; \$9,000.
- Ellison, M., T. N. Johnson, K.D. Lee, J.D. Wulforst, E. Winford, J. Ritten, and J. Aycrigg. 2019. Livestock grazing management and riparian ecosystem services: identifying trade-offs and potential synergies among ecological, economic, and social values. USDA Foundational Program, Bioenergy. Natural Resources, and Environment Program Area: \$499,663 (\$187,505 to PI Johnson).
- Johnson, T.N., and A. Hulet. 2019. Sage-grouse habitat use on Rinker Rock Creek Ranch: preliminary data for understanding compatibility with livestock grazing and development of an “Adopt-a-Grouse” outreach program. David Little Endowment; \$4,934.
- Johnson, T.N. and P. Coates. 2016-2022. Sage-grouse habitat use and demographic response to landscape dynamics. Bureau of Land Management; FY2016 \$78,000; FY2017 \$108,000; FY2018 \$130,000; FY2019 \$130,000; FY2020 \$130,000; FY2021 \$130,000; FY2022 \$65,704 (to PI Johnson).

- Johnson, T.N., M. Ellison, and E. Winford. 2018. Coexisting in wet meadows: livestock grazing management and sage-grouse brood-rearing habitat. Conservation Innovation Grant, Idaho Natural Resources Conservation Service; \$74,942 (\$70,217 to PI Johnson).
- Chalfoun, A.D. and T.N. Johnson. 2018. Effects of sagebrush restoration on songbird and plant communities in Grand Teton National Park. University of Wyoming-National Park Service Research Station: \$5,000 (to PI Chalfoun). Funds from this grant are restricted to University of Wyoming personnel.
- Ellison M., and T. N. Johnson. 2017-18. Livestock management to facilitate sage-grouse habitat in wet meadows: effects of grazing intensity on preferred forbs. David Little Endowment, University of Idaho: \$20,000 (to co-PIs Ellison and Johnson).
- Johnson, T.N. 2017. Belding's ground squirrels and livestock. The Nature Conservancy of Oregon: \$13,700.
- Johnson, T.N., D. Shinneman, T. Katzner, and D. Pilliod. 2016. Multi-scale assessment of wildlife response after juniper removal in a sagebrush steppe landscape. U.S. Fish and Wildlife Service, Great Basin Landscape Conservation Cooperative: \$199,417 (to PI Johnson).
- Johnson, T.N. and Western Ecosystems Technology, Inc. 2015. Power analysis for site-occupancy based monitoring of Ferruginous hawk. U.S.D.A. Forest Service, Rocky Mountain Research Station; \$38,693 (to PI Johnson).
- Chalfoun, A.D. and T.N. Johnson. 2013. Identifying avian community response to sagebrush vegetation restoration in Grand Teton National Park. University of Wyoming-National Park Service Research Station; \$4455 (to PI Chalfoun). Funds from this grant are restricted to University of Wyoming personnel.
- Johnson, T.N. and P.L. Kennedy. 2008. Frances M. Peacock Grant for Native Bird Habitat; \$4,000.
- Johnson, T.N. and P.L. Kennedy. 2007. Oregon Zoo Future for Wildlife Grant; \$1,738.
- Johnson, T.N. and P.L. Kennedy. 2007. Effects of livestock grazing on nesting birds. Prairie Biotic, Inc. Research Grant; \$950.
- Johnson, T.N. and B. K. Sandercock. 2004. Restoration of tallgrass prairie with winter livestock grazing. Kansas Ornithological Society Student Research Grant; \$500.
- Johnson and B. K. Sandercock. 2004. Effects on plants and birds of grazing tallgrass prairie. Prairie Biotic, Inc. Research Grant; \$912.

OUTREACH:

Publications:

Kennedy, P.L., T. DelCurto, S.J. DeBano, T.N. Johnson, S. Wyffels, C. Kimoto, R. Taylor, and H. Schmalz. Can cattle, birds, and bees coexist? Experimental results from the Zumwalt Prairie in northeastern Oregon. *Oregon Cattleman* June 2017: 38-41. Print.

Gillan, J.K., E.K. Strand, and T.N. Johnson. 2017. Sage-grouse habitat in Idaho: a practical guide for landowners and managers. Idaho Forest, Wildlife, and Range Experiment Station. University of Idaho, Moscow. Contribution 1048, version 2.

Science products and other written materials:

- Shinneman, D. J., S.K. McIlroy, S.A. Poessel, R.L. Downing, T.N. Johnson, A.C. Young, and T.E. Katzner. 2023. Ecological Effects of Pinyon-Juniper Removal in the Western United States – A Synthesis of Scientific Research, January 2014-March 2021. U.S. Geological Survey Open-File Report 2023-1041. 56 p., <https://doi.org/10.3133/ofr20231041>.
- Germino, M. M. Brunson, J. Chambers, R. Epanchin-Niell, G. Fuller, S. Hanser, S. Hardegree, T. Johnson, B. Newingham, M. Pellant, C. Sheridan, and J. Tull. 2021. Restoration *in* Sagebrush Conservation Strategy – Challenges to Sagebrush Conservation. U.S. Geological Survey Open-File Report 2020-1125, 327 p., <https://doi.org/10.3133/ofr20201125>.
- Johnson, T.N. 2016. Control options for ground squirrels in Gem County, Idaho. Rangeland Center Fact Sheet.

Press and Media:

- “Grazing wet meadows at Rinker Rock Creek Ranch” by Heather Smith Thomas, *Ag Proud Idaho* Aug 2020 Vol. 2 (8): 23-24.
- “Is what’s good for the herd good for the bird?” Grouse Podcast by *BirdNote*, by Ashley Ahearn, Sept 2020.

Presentations:

23. Johnson, T.N., M. Ellison, and K. Randall*. 2024. Mesic meadow habitat responses to variation in grazing management. Wood River Watershed Advisory Group (*invited; virtual*).
22. Lau, K.S.*, T. Prather, and T.N. Johnson. 2024. Indirect Effects of Indaziflam Application on Shrub-Steppe Wildlife. University of Idaho – Rinker Rock Creek Research Webinar (*virtual*).
21. Townsend, K.*, D. Oleyar, S. Ortega, T. Johnson, and K. Vierling. 2024. How microclimates influence owls. Palouse Audubon Society Lecture Series, Moscow, ID.
20. Townsend, K.*, K. Vierling, T. Johnson, D. Oleyar. 2024. How do habitat features and climate change impact owls and other cavity-nesters? Hawkwatch International Speaker Series (*virtual*).
19. Johnson, T.N. 2022. Cattle grazing and wildlife at Craig Mountain Wildlife Management Area. Meeting of the Snake River Complex Fire Working Group, Idaho Fish and Game (*invited*).
18. Johnson, T.N. and S.E. McIntire*. 2021. Sage-grouse responses to juniper removal as part of the Bruneau-Owyhee Sage-grouse Habitat Project. Annual Sage-grouse Restoration and Habitat Enhancement Tour, Owyhee County Sage-grouse Local Working Group, Owyhee County (*invited*).
17. Lazenby, K.*, T.N. Johnson, and M. Ellison. 2021. Livestock grazing management and riparian ecosystem services: identifying trade-offs and potential synergies among

- ecological, economic, and social values. Rangeland Center Partners Advisory Council, Virtual Meeting.
17. Randall, K.J.*, Ellison, M. J., Johnson, T. N., and J. V. Yelich. 2021. Mesic meadow habitat responses to variation in grazing management. Annual Rinker Rock Creek Ranch Research Webinar. Moscow, ID.
 16. Randall, K.J.*, Ellison, M.J., Johnson, T.N., and J. V. Yelich. 2021. Riparian grazing management strategies in sage-grouse habitat. Lemhi County Cattleman's Winter School, Virtual Meeting.
 15. Randall, K.J.*, Ellison, M.J., Johnson, T.N., and J. V. Yelich. 2021. Riparian grazing management strategies in sage-grouse habitat. Idaho Range Livestock Symposium, Virtual Meeting. (*invited*)
 14. Rabon, J.* and T.N. Johnson. 2020. Habitat selection and physiological condition of female greater sage-grouse in relation to western juniper. Bureau of Land Management State Office, Boise, ID.
 13. Rabon, J.*, S. McIntire*, A. Young*, and T.N. Johnson. 2020. Wildlife and juniper in Owyhee County. Meeting of the Owyhee Sage-Grouse Local Working Group, Oreana, ID.
 12. Johnson, T.N. 2019. Idaho's iconic wildlife. Prison Lecture Series, North Idaho Correctional Institution, Orofino, ID.
 11. Johnson, T.N. 2019. Idaho's wildlife. Prison Lecture Series, North Idaho Correctional Institution, Cottonwood, ID.
 10. Rabon, J.* and T.N. Johnson. 2019. Bruneau-Owyhee Sagebrush Project: Greater Sage-Grouse. Palouse Audubon Society Lecture Series, Moscow, ID.
 9. Young, A.* and T.N. Johnson. 2019. Songbirds and sage-grouse conservation: maximizing management. Palouse Audubon Society Lecture Series, Moscow, ID.
 8. Johnson, T.N. 2018. Biology, habitat, life cycle, and migrations of greater sage-grouse. Palouse Audubon Society Lecture Series, Moscow, ID.
 7. Johnson, T.N. 2018. Biology, habitat, life cycle, and migrations of greater sage-grouse. American Society of Animal Science, Western Section Conference, Extension Symposium "Livestock, Sage-grouse, and Grazing Management". Bend, OR. (*invited*)
 6. York, K.*, M. Ellison and T.N. Johnson. 2018. Greater sage-grouse habitat and livestock grazing management at Rock Creek Ranch. Sagebrush Saturday, Rock Creek Ranch, Hailey, ID.
 5. Rabon, J.* and T.N. Johnson. 2017. Conifer effects on greater sage-grouse in Owyhee County. Sage-grouse Restoration and Enhancement Tour, Owyhee County, ID.
 4. Rabon, J.* and T.N. Johnson. 2017. Sage-grouse ecology and monitoring techniques. McCall Outdoor Science Tour, Northwest Watershed Research Center, Agricultural Research Service, Owyhee County.
 3. York, K.J.*, T.N. Johnson, and M.J. Ellison. 2017. Implications of grazing utilization of sage-grouse brood-rearing habitat. Rock Creek Ranch Research Symposium, Moscow, ID.
 2. York, K.J.*, T.N. Johnson, and M.J. Ellison. 2017. Sage-grouse and grazing in wet meadows at Rock Creek Ranch. Sagebrush Saturday, Rock Creek Ranch, Hailey, ID.
 1. Johnson, T.N. and S. Wyffels. 2009. Influence of stocking density on a late-spring, early-summer native bunchgrass prairie. Range Field Days, Eastern Oregon Agricultural Research Center, Union, OR.

Technology Transfer:

- 2020-present: Director of Research, Rinker Rock Creek Ranch – various activities associated with administering and coordinating research, education, and conservation activities at a biological research station with the following vision: *The Parties agree to collaborate in good faith at the Rinker Rock Creek Ranch to protect the Conservation Values and establish a program of research, education and outreach focused on sustainable rangeland management in the heart of Idaho where ranching, conservation, and recreation intersect. The facility will host innovative, interdisciplinary and collaborative research and management activities addressing important and pressing challenges impacting ranching and conservation on western rangelands. The Ranch will provide opportunities for public access and recreation and will serve as a podium for education on Idaho rangelands.*
- 2017-24: Rock Creek Ranch Research Webinar – organized and moderated webinar that delivered research results to multiple stakeholders including academic, government, NGO, and livestock producer groups
- 2023-present: Science Saturday – organized and presented field tour of ranch research to University of Idaho and College of Southern Idaho undergraduate students; led citizen science monitoring effort
- 2017-23: Sagebrush Saturday – delivered outreach events highlighting birds of southern Idaho rangelands; partnered with USGS Forest and Rangeland Ecosystem Science Center and The Peregrine Fund Birds of Prey Center; organized presentations and activities in coordination with U of I Extension Faculty; organized presentations from researchers working at Rinker Rock Creek Ranch. Audience typically ≤ 75 attendees including livestock producers, college students, and citizens of Blaine County, Idaho and surrounding area (2 x year)
- 2017: Fall Forum – member of planning committee. Audience included BLM, IDFG, USFWS, NRCS, Idaho Rangeland Resources Commission, Idaho Cattleman's Association, University of Idaho, Boise State University, Oregon State University, The Nature Conservancy, Idaho Power, Salmon Valley Stewardship, Governor's Office of Species Conservation, Peregrine Fund, and Pheasants Forever

Cooperative Education and Research:

- 2024-present: Representative Member of Idaho Cattleman's Association (Rinker Rock Creek Ranch)
- 2023-present: Member of the Idaho Rangeland Conservation Partnership
- 2021-present: Representative Member of the Organization for Biological Field Stations (Rinker Rock Creek Ranch)
- 2020-present: Member of the Idaho Rangeland Resources Commission
- 2016-19: Assisted with FFA Career Development Event in cooperation with the Rangeland Center

- 2018-present: Representative of U of I; W1188 Maintaining Resilient Sagebrush and Rural Communities, Technical Committee of Western Association of Agricultural Experiment Station Directors
- 2016-present: Affiliate faculty with The Rangeland Center, attending 1-2 outreach events per year (Rangeland Center Retreat and Fall Forum) to assess education and research needs of diverse stakeholder groups, including industry (e.g., Idaho Cattleman's Association, Idaho Power and Light), NGOs (e.g., The Nature Conservancy, Land Trusts), and federal agencies (including USFWS, BLM, USFS, NRCS)

Service Learning:

- 2019: Provided Idaho Department of Fish and Game with habitat monitoring data for amphibians collected by FISH430 students at Craig Mountain Wildlife Management Area. Data will be used to make management decisions on the WMA.
- 2018: Provided Idaho Department of Fish and Game with habitat monitoring data for owls collected by REM411 students at Craig Mountain Wildlife Management Area. Data will be used to make timber harvest decisions on the WMA.
- 2016: Mentored student at New St. Andrews College for her senior thesis; taught avian museum specimen preparation and helped New St. Andrews begin a bird collection.

Professional Services and Consulting:

- 2018-19: Conducted lek monitoring for The Nature Conservancy at Rinker Rock Creek Ranch
- 2018-19: Analyzed ground squirrel data for The Nature Conservancy of Oregon
- 2017: Assisted The Nature Conservancy of Oregon with development of vegetation monitoring approaches for the Zumwalt Prairie Preserve
- 2017: Assisted The Nature Conservancy of Idaho with the development of a Wildlife Management Plan for Rock Creek Ranch
- 2016-19: Responded to requests for information and provided assistance and technical information to six landowners throughout Idaho
- 2016: Site visit to Rock Creek Ranch – consulted The Nature Conservancy of Idaho and Wood River Land Trust on monitoring program

SERVICE:

Major Committee Assignments:

Departmental

- 2022-present: Student Recruitment Committee
- 2021-22: Fish and Wildlife Department Chair Search Committee
- 2017: Promotion Review Committee
- 2016: 3rd Year Review Committee
- 2016-2021: Fish and Wildlife Website Committee

College

- 2017: Search committee for Heady Endowed Chair of Rangeland Ecology
- 2023: Search committee for Administrative Specialist, Boise campus

University

2023: Search committee for Director of The Rangeland Center
2020-present: Development and maintenance of Rinker Rock Creek Ranch database
2021: President's Tour at Rinker Rock Creek Ranch
2019: Hiring committee for Operations Manager at Rinker Rock Creek Ranch
2016-17: Volunteered for UIIdaho Bound, Envision Idaho recruiting events
2017-present: Rock Creek Ranch Research and Monitoring; organize field tours for academic administrators, politicians, federal and NGO scientists, and other stakeholders; develop and coordinate research and monitoring activities at Rinker Rock Creek Ranch
2017: Department of Fish and Wildlife Sciences Representative at U of I President's Tour

Other Committees

2021-23 Chair, Local Arrangements Committee, 2023 Annual Meeting of the Society for Range Management (Boise)
2010-12 Member, Science Committee, WY Chapter of The Wildlife Society

Professional and Scholarly Organizations:

The Wildlife Society (TWS), TWS Idaho Chapter, TWS Rangeland Working Group
Society for Range Management

Manuscript and Proposal Review:

Avian Conservation and Ecology, Auk, Condor, Ecological Applications, Ecosphere, European Journal of Wildlife Research, Forest Ecology and Management, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Environmental Management, Journal of Field Ornithology, Journal of Mammalogy, Journal of Wildlife Management, Journal of Zoology, Northwestern Naturalist, PLOS ONE, Rangelands, Rangeland Ecology and Management, Urban Ecosystems, U.S. Geological Survey Technical Reviewer, Wildlife Biology, Wildlife Research
Review Panels: 2013 School of Energy Resources Fellowship Program, University of Wyoming

Other Service:

2016-present: Member of Environmental Science Faculty
2017-present: Member of Ecology and Conservation Biology Faculty
2016-present: Member of Rangeland Center Faculty