

# Robert C. Lonsinger, Ph.D.

## Assistant Professor, Wildlife South Dakota State University

**Curriculum Vitae**  
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[Wildlife Ecology & Management Lab](#)  
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### **Research Interests**

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My professional research interests include landscape ecology, conservation genetics, community ecology, and population response to habitat management and landscape change. Additionally, I am interested in the application and advancement of noninvasive monitoring strategies and the advancement of quantitative approaches for characterizing populations. My research aims to confront applied problems with ecological hypotheses, and to elucidate processes driving complex spatial and temporal patterns of population dynamics, to improve wildlife monitoring, management, and research.

### **Education**

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- 2015 Ph.D. Natural Resources, University of Idaho, Moscow, ID  
Research emphasis: Conservation genetic assessment of interspecific interactions, population status, and risk
- 2010 M.S. Wildlife Science (Minor: Experimental Statistics), New Mexico State University, Las Cruces, NM  
Research emphasis: Assessing the influence of landscape features on connectivity with landscape genetic approaches
- 2002 B.S. Biology, Gannon University, Erie, PA

### **Continuing Education & Training**

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- 2019 Bayesian Integrated Population Modelling (IPM), New Mexico State University (40 hrs)
- 2019 Near-Term Ecological Forecasting, Boston University (40 hrs)
- 2018 Applications of Spatial Data: Ecological Niche Modeling, NIMBioS University of Tennessee (20 hrs)
- 2017 Distance Sampling Workshop, WEST, Inc. (8 hrs)
- 2016 Wildlife Scat Detection Dog Handler Training, Find It Detection Dogs (80 hrs)
- 2015 Occupancy Modeling Workshop, University of Idaho (32 hrs)
- 2014 Resource Selection Workshop, University of Idaho (24 hrs)
- 2012 Program MARK Intermediate Workshop, Colorado State University (45 hrs)
- 2012 Applied Leadership: Leading People and Getting Results, Boise State University (45 hrs)
- 2011 Helicopter/Airplane Flight Safety Certification, Interagency Aviation Training (12 hrs)
- 2004 Wildlife Handling & Chemical Immobilization, Global Wildlife Resources (22 hrs)

### **Professional Research & Management Positions**

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- Aug 2018–Present Assistant Professor of Wildlife Ecology, Graduate Faculty, South Dakota State University, Department of Natural Resource Management, Brookings, SD
- Sep 2018–Present Research Graduate Faculty, University of Wisconsin-Stevens Point, College of Natural Resources, Stevens Point, WI
- Aug 2016–Present Adjunct Graduate Faculty, New Mexico State University, Department of Fish, Wildlife & Conservation Ecology, Las Cruces, NM
- Aug 2016–May 2018 Assistant Professor of Wildlife Ecology, Graduate Faculty, University of Wisconsin-Stevens Point, College of Natural Resources, Stevens Point, WI
- Jan 2016–Jul 2016 Post-Doctoral Research Scientist, USGS Cooperative Research Unit/New Mexico State University, Department of Fish, Wildlife & Conservation Ecology, Las Cruces, NM
- May 2012–Dec 2015 Ph.D. Research Assistant, University of Idaho, Department of Fish & Wildlife Sciences, Moscow, ID
- Aug 2010–Jul 2012 Regional Wildlife Biologist, Idaho Department of Fish & Game, Biodiversity Program, Jerome, ID
- May 2010–Aug 2010 Research Associate, New Mexico State University, Department of Fish, Wildlife & Conservation Ecology, Las Cruces, NM
- Aug 2006–May 2009 M.S. Research Assistant, New Mexico State University, Department of Fish, Wildlife & Conservation Ecology, Las Cruces, NM

## **Professional Teaching Experience**

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(Note: F = Fall, S = Spring, R = Summer)

### Undergraduate/Graduate Courses Taught at South Dakota State University (4)

- F 2019–Present Mammalogy (WL 355/L)
- S 2019–Present Introduction to Wildlife and Fisheries Management (WL 220)
- F 2018–Present Principles of Wildlife Management (WL 411/L)
- F 2018–Present Wildlife Analysis (WL 791)

### Undergraduate/Graduate Courses Taught at the University of Wisconsin-Stevens Point

- F 2016–S 2018 Wildlife Ecology and Conservation Biology (WLDL 458/658)
- F 2016–S 2018 Ecological Basis for Natural Resource Management (NRES 151)
- S 2017–S 2018 Carnivore Ecology (WLDL 332/532)
- S 2017–S 2018 Wildlife Profession and Preparation (WLDL 100)
- R 2017 Field Experience in Wildlife Management Techniques (WLDL 340)

### Undergraduate Courses Taught at the University of Idaho

- S 2015 Wildlife Management (WLDL 492/L; capstone course)

### Undergraduate Laboratory Courses Taught at the College of Southern Idaho

- F 2011–S 2012 Introductory Biology (BIOL 201L)

### Undergraduate Laboratory Courses Taught at New Mexico State University

- S 2010 Mammalogy (WLSC 330L)
- F 2009 Natural History of Vertebrates (WLSC 431L)

### Invited Workshops

- 2018 Wildlife Data Analysis Using Program R (Midwest Fish and Wildlife Conference/WI Chapter TWS)
- 2017 Introductory and Intermediate R Programming (American Society of Mammalogists Conference)
- 2013 De-Mystifying Program R (ID Chapter of The Wildlife Society Meeting)

### Invited Guest Lectures

- 2019 The Role of Noninvasive Genetics in Wildlife Management (Genetics Course, Black Hills State Univ.)
- 2018 Ringtail Ecology and Isolation by Environment (Mammalogy Course, South Dakota State Univ.)
- 2017 Genetics in Vertebrate Restoration (Ecosystem Restoration Course, Univ. of Wisconsin-SP)
- 2017 Behaviors of Intraguild Predators and Their Prey (Behavioral Ecology Course, Univ. of Wisconsin-SP)
- 2016 Parasitology (Ecological Basis for Natural Resource Management Course, Univ. of Wisconsin-SP)
- 2015 Avian Taxonomy (Wildlife Ecology Course, Univ. of Idaho)
- 2014 Monitoring Wildlife with Noninvasive Genetics (Wildlife Genetics Course, Washington State Univ.)
- 2012 Molecular Ecology (Molecular Biology Course, College of Southern Idaho)
- 2009 Mesocarnivore Population Genetic Structure (Mammalogy Course, New Mexico State Univ.)
- 2008 The Origin and Evolution of Mammals (Natural History of Vertebrates Course, New Mexico State Univ.)
- 2008 Endothermy Vs. Ectothermy (Natural History of Vertebrates Course, New Mexico State Univ.)

## **Early Career (Technician) Positions**

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- 2006–2009 Seasonal/Part-time positions held during completion of M.S. degree: Veterinary Assistant at Alta Vista Animal Clinic (Las Cruces, NM, 17 months); Forestry Technician with the US Forest Service Lincoln National Forest (Cloudcroft, NM, 4 months).
- 2000–2006 Seasonal Positions: Intern with Save Our Native Species of Lake Erie and PA Fish Commission (Erie, PA, 4 months); Intern with The Wolf Education and Research Center (Winchester, ID, 4 months); Field Assistant with the Gannon University Biology Department (Erie, PA, 2 months); Animal Care Intern at The Philadelphia Zoo (Philadelphia, PA, 10 months); Telemetry intern with the US Fish & Wildlife Service Red Wolf Recovery Program (Manteo, NC, 3 months); Field Assistant with the Nez Perce Tribe Central Idaho Gray Wolf Recovery Program (McCall, ID, 3 months); Wildlife Technician with Turner Endangered Species Fund's Prairie Dog, Black-footed Ferret, & Swift Fox Recoveries (Fort Pierre, SD, 3 months); Wildlife Assistant with the Arizona Game & Fish Department (Seligman, AZ, 24 months).

## **Grants & Funding**

### **Pending (\*Under contract negotiation)**

*SD Game, Fish & Parks FPT State Wildlife Grants (PI) – Ecology of Eastern spotted skunks in South Dakota	\$325,059
*PA Game Commission (PI) – Assessment of factors affecting female black bear harvest rates in Pennsylvania	\$140,494
Bunning Properties (PI) – Evaluating novel approaches to understanding and reducing nest depredations	\$537,931
Natural Resource Conservation Service (PI) – Increasing knowledge and implementation of prescribed fire to improve wildlife habitat and enhance the economic performance on South Dakota working lands	\$219,233
Turner Endangered Species Fund (PI) – Evaluating carrying capacity for desert bighorn sheep ( <i>Ovis canadensis nelsonii</i> ) in the Fra Cristobal Mountains of New Mexico	\$277,790
SD Game, Fish & Parks (Co-PI) – An evaluation of hot-spot predator control for increasing duck nest success	\$463,350
Bureau of Land Management (PI) – Evaluating the influence of habitat features and interspecific interactions on landscape connectivity for kit foxes ( <i>Vulpes macrotis</i> )	\$119,021

### **Total Funding Pending**

**\$2,082,878**

### **Awarded (\*Active grant)**

2018-2019

*SD Game, Fish & Parks Research Grant (PI, May 2019)	\$6,000
American Society of Mammalogists Early Professional Travel Award (PI, Apr 2019)	\$750
*Florida Fish & Wildlife Conservation Commission Grant (Co-PI, Mar 2019)	\$146,877
*McIntire-Stennis Grant (PI, February 2019)	\$22,573
South Dakota State University Scholarly Dissemination Grant (PI, Nov 2018)	\$500
*US Interior/Fish & Wildlife Service FPT SD Game, Fish & Parks Grant (Co-PI, Oct 2018)	\$125,817
*Department of Defense CESU Grant (PI, Jul 2018)	\$68,341
*SD Game, Fish & Parks Research Grant (PI, Aug 2018)	\$20,000
*USDA Hatch Grant (PI, Aug 2018)	\$86,000
Doug Stephens Boone & Crockett Club Wildlife Research Fellowship (Co-PI, Apr 2018)	\$8,000
Office of Student Creative Activity and Research Award (Co-Faculty Advisor, Apr 2018)	\$963
*Prairie Biotic Research, Small Grants Program (Co-PI; Mar 2018)	\$1,250
*T&E, Inc., Grants for Conservation Biology (Co-PI; Jan 2018)	\$2,697

2016-2017

UPDC Research and Creative Activities Grant (PI, Nov 2017)	\$7,260
Office of Student Creative Activity and Research Award (Co-Faculty Advisor, Nov 2016)	\$4,619

2011-2015

University of Idaho Graduate Student Travel Grant (PI, Sep 2014)	\$700
Department of Defense ESTCP Grant (Co-PI, May 2013)	\$13,873
National Geographic Society Conservation Trust Grant (PI; May 2013)	\$19,400
T&E, Inc., Grants for Conservation Biology (Co-PI; Jan 2013)	\$2,400
University of Idaho Sustainability Grant (Co-PI; Oct 2012)	\$2,560
BLM Sage-grouse monitoring (Co-PI; Sep 2012)	\$240,000
BLM Assistance Agreement Grant (Co-PI; Jan 2012)	\$23,692
BLM Challenge-Cost Share Grant (Co-PI; Jul 2011)	\$7,600
National Landscape Conservation System Grant (Co-PI; Jan 2011)	\$20,000

2005-2008

T&E, Inc., Grants for Conservation Biology (Co-PI; Dec 2008)	\$2,450
Desert Southwest CESU: National Park Service Grant (Co-PI; Jun 2008)	\$14,441
Awards for Travel of Undergraduates Conducting Research (PI, Mar 2006)	\$2,000
T&E, Inc., Grants for Conservation Biology (Co-PI; Dec 2005)	\$2,500
Arizona Game & Fish Department Heritage Fund Grant (Co-PI; Mar 2005)	\$40,000

### **Total Funding Awarded**

**\$893,263**

## **Research Advisory Experience & Mentee Awards**

(Note: Superscript indicates number of mentee publications or presentation products)

### Graduate Research, Primary Advisor

- 2019–Present Stuart Fetherston – M.S. Thesis, South Dakota State University (Completion Anticipated Spring 2022)
- 2019–Present Marlin Dart – M.S. Thesis, South Dakota State University (Completion Anticipated Fall 2021)
- 2018–Present Jackie Krakow<sup>2</sup> – M.S. Thesis, South Dakota State University (Completion Anticipated Spring 2020)  
2019 Kenneth H. Husmann Memorial Scholarship, South Dakota Ornithologists' Union
- 2018–Present Hilary Syvertson-Kauth<sup>4</sup> – M.S. Thesis, South Dakota State University (Completion Anticipated Fall 2019)
- 2018–Present Sprih Harsh<sup>5</sup> – Ph.D. Dissertation, South Dakota State University (Completion Anticipated Spring 2021)
- 2017–Present Kara White – M.S. Thesis, University of Wisconsin-Stevens Point (Completion Anticipated Fall 2019)  
2019 University Graduate Council's Award, University of Wisconsin-Stevens Point  
2019 University Leadership Award, University of Wisconsin-Stevens Point  
2019 CNR Outstanding Graduate Student Award, University of Wisconsin-Stevens Point

### Graduate Research, Committee Member

- 2019–Present Janelle Taylor – M.S. Thesis, University of Wisconsin-Stevens Point (Completion Anticipated Fall 2021)
- 2019–Present Cynthia Anchor – M.S. Thesis, South Dakota State University (Completion Anticipated Fall 2021)
- 2018–Present Skyler Arent – M.S. Thesis, South Dakota State University (Completion Anticipated Fall 2021)
- 2018–Present Samantha Fino<sup>1</sup> – Ph.D. Dissertation, South Dakota State University (Completion Anticipated Fall 2021)
- 2017–Present Christi Heun – M.S. Thesis, University of Wisconsin-Stevens Point (Completion Anticipated Fall 2019)
- 2016–Present Tricia Rossetti – M.S. Thesis, New Mexico State University (Completion Anticipated Fall 2019)

### Undergraduate Research, Advisor

- 2017–Present Sabrina Claeys<sup>2</sup> – B.S. Research, University of Wisconsin-Stevens Point  
2018 Doug Stephens' Research Fellowship, Boone and Crockett Club
- 2017 Eric Van Beek<sup>1</sup> – B.S. Research, University of Wisconsin-Stevens Point
- 2014–2016 Elyce Gosselin<sup>4</sup> – B.S. Thesis, University of Idaho  
2015 – Goldwater Scholarship, Goldwater Scholarship and Excellence in Education  
2014 – Berklund Undergraduate Research Award, University of Idaho
- 2013–2015 Paige Byerly<sup>2</sup> – B.S. Thesis, University of Idaho

## **Select Ongoing Research**

### Graduate Student Research (Student name)

- 2019–Present Landscape genetic assessment of functional connectivity for bobcat conservation (Stuart Fetherston)
- 2019–Present Mesocarnivores in multi-use landscapes: the influence of protected areas and agricultural lands on the spatial dynamics of mesocarnivores and community assemblages (Marlin Dart)
- 2018–Present Bottom-up effects of native grass seedings: does high- vs. low- diversity native plantings translate to variation in diversity of native passerines (Jackie Krakow)
- 2018–Present Evaluating the influence of habitat on nest success and survival for pheasants (Sprih Harsh) and assessing spatio-temporal variation in pheasant densities (Hilary Syvertson)
- 2017–Present Swift fox space use and activity in relation to black-tailed prairie dogs complexes (Kara White)

### Collaborative Research (Collaborators)

- 2019–Present Optimizing noninvasive genetic sampling (NGS) for urban and rural coyotes and determining coyote impacts on nesting sea turtles (B. Kluever, S. Breck, A. Piaggio)
- 2018–Present Juvenile golden eagle resource selection to inform conservation and management (R. Knight, S. Slater)
- 2018–Present Synthesis of canid research in the Great Basin: state of knowledge and research needs (R. Knight)
- 2018–Present Spatial ecology of red panda in Nepal with citizen science monitoring (M. Bhusal, L. Waits)
- 2016–Present Evaluating broad-scale monitoring approaches for cougars and bobcats in the Southern Rocky Mountains of New Mexico (J. Cain III, G. Roemer).
- 2019–Present Modified removal design for optimizing NGS-based occupancy modeling (L. Waits)

### New Research in Development (Dates are anticipated start dates pending final contract negotiations)

- 2020– Evaluating the distribution, resource selection, and survival of Eastern spotted skunks in South Dakota
- 2020– Resource selection and the influence of habitat characteristics on harvest of black bears in Pennsylvania

## **Peer Reviewed Publications, Book Chapters, & Theses**

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(Note: \*Corresponding author, ‡Mentee)

18. Kauth HR‡, RC Lonsinger, AJ Kauth, AJ Gregory. *In Review*. Low-cost DIY GPS trackers improve upland game bird monitoring. Target Journal: Wildlife Biology.
17. Lonsinger RC, GW Roemer. *In Review*. Ringtail (*Bassariscus astutus*) in JLE Cartron and JK Frey, editors. The Wild Carnivores of New Mexico. University of New Mexico Press, Albuquerque, NM, USA.
16. Morin DJ\*, SD Higdon, RC Lonsinger, EN Gosselin‡, MJ Kelly, LP Waits. 2019. Comparing methods of estimating carnivore diets with uncertainty and imperfect detection. Wildlife Society Bulletin *In press*.
15. Lonsinger RC\*, D Daniel, JR Adams, LP Waits. 2019. Consideration of sample source for establishing reliable genetic microsatellite data from mammalian carnivore specimens held in natural history collections. Journal of Mammalogy 100(5): 1678–1689.
14. Lonsinger RC\*, PM Lukacs, EM Gese, LP Waits. 2019. Empirical comparisons of abundance estimators for two sympatric carnivores using noninvasive genetic sampling. Wildlife Biology 2019(1): 1–9.
13. Lonsinger RC\*, JR Adams, LP Waits. 2018. Evaluating effective population size and genetic diversity of a declining kit fox population using contemporary and historical specimens. Ecology and Evolution 8(22): 1–11.
12. Lonsinger RC\*, PM Lukacs, EM Gese, RN Knight, LP Waits. 2018. Estimating densities from sympatric kit foxes (*Vulpes macrotis*) and coyotes (*Canis latrans*) using noninvasive genetic sampling. Canadian Journal of Zoology 96(10): 1080–1089.
11. Byerly P‡, RC Lonsinger\*, EM Gese, AJ Kozlowski, LP Waits. 2018. Resource partitioning between two sympatric canids: a comparison of historic and contemporary dietary overlap. Canadian Journal of Zoology 96(5): 497–504.
10. Gosselin E‡, RC Lonsinger\*, LP Waits. 2017. Comparing morphological and molecular diet analyses and fecal DNA sampling locations for a terrestrial carnivore. Wildlife Society Bulletin 41(2): 362–369.
9. Lonsinger RC\*, EM Gese, LL Bailey, LP Waits. 2017. The roles of habitat and intraguild predation by coyotes on the spatial dynamics of kit foxes. Ecosphere 8(3): e01749.
8. Lonsinger RC\*, EM Gese, RN Knight, TR Johnson, LP Waits. 2016. Quantifying and correcting for scat removal in noninvasive carnivore scat surveys. Wildlife Biology 22: 45–54.
7. Lonsinger RC\*. 2015. Conservation genetics of kit foxes (*Vulpes macrotis*) and coyotes (*Canis latrans*): using noninvasive genetic sampling to investigate two sympatric carnivores in the Great Basin Desert. Ph.D. Dissertation, University of Idaho.
6. Lonsinger RC\*, LP Waits. 2015. ConGenR: rapid determination of consensus genotypes and estimates of genotyping errors from replicated genetic samples. Conservation Genetics Resources 7: 841–943.
5. Dempsey SJ, EM Gese\*, BM Kluever, RC Lonsinger, LP Waits. 2015. Evaluation of scat deposition transects versus radio telemetry for developing a species distribution model for a rare desert carnivore, the kit fox. PloS One 10: e0138995.
4. Lonsinger RC\*, EM Gese, LP Waits. 2015. Evaluating the reliability of field identification and morphometric classifications for carnivore scats confirmed with genetic analysis. Wildlife Society Bulletin 39: 593–602.
3. Lonsinger RC\*, EM Gese, SJ Dempsey, BM Kluever, TR Johnson, LP Waits. 2015. Balancing sample accumulation and DNA degradation rates to optimize noninvasive genetic sampling of sympatric carnivores. Molecular Ecology Resources 15: 831–842.
2. Lonsinger RC, RM Schweizer, JP Pollinger, RK Wayne, GW Roemer\*. 2015. Fine-scale genetic structure of the ringtail (*Bassariscus astutus*) in a sky island mountain range. Journal of Mammalogy 96: 257–268.
1. Lonsinger RC\*. 2010. Fine-scale genetic structure driven by habitat-dependent selection. M.S. Thesis, NM State University.

## **Research Presentations & Seminars**

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(Note: \*Presenting author, ‡Mentee)

- 2019 Spotting Ring-necked Pheasants: Factors Impacting Population and Distribution in South Dakota – S Harsh\*‡, T Runia, RC Lonsinger, A Gregory – Prairie Grouse Technical Council Annual Meeting, Bartlesville, OK (Poster)
- 2019 Assessing Impacts of Landscape Use on Winter Ring-necked Pheasant Survival and Mortality Risk – H. Syvertson\*‡, RC Lonsinger, S Harsh‡, T Runia, A Kauth, A Gregory – Prairie Grouse Technical Council Annual Meeting, Bartlesville, OK (Poster)

- 2019 Genetic Consequences of Population Decline in Kit Foxes: Insights from Historical Specimens and Implications for Management – [RC Lonsinger\\*](#), PM Lukacs, EM Gese, RN Knight, JR Adams, LP Waits – The Wildlife Society Meeting, Reno, NV (Oral)
- 2019 Swift Fox Diet and Prey Selection within a Black-footed Ferret Recovery Area: Evaluating the Potential for Intraguild Competition and Predation – S Claeys\*‡, [RC Lonsinger](#), S Crimmins, K White – The Wildlife Society Meeting, Cleveland, OH (Poster)
- 2019 For Fox Sake – [RC Lonsinger\\*](#)– South Dakota State University Department of Natural Resource Management Seminar, Brookings, SD (Invited Oral)
- 2019 Museum Specimens Offer Historical Perspectives on a Declining Kit Fox Population – [RC Lonsinger\\*](#), JR Adams, LP Waits – American Society of Mammalogists Annual Meeting, Washington, DC (Oral)
- 2019 Monitoring Wildlife Populations with Noninvasive Genetic Sampling, Capture-Recapture Methods, and Dynamic Occupancy Analyses: An Example with Two Elusive Carnivores – [RC Lonsinger\\*](#) – South Dakota Chapter of The Wildlife Society Meeting, Oacoma, SD (Oral)
- 2019 Grassland Bird Use of High and Low Diversity Native Plantings – JK Krakow\*‡, KK Bakker, KW Kelsey, KC Jensen, [RC Lonsinger](#) – South Dakota Chapter of The Wildlife Society Meeting, Oacoma, SD (Oral)
- 2019 Modeling the Abundance and Density of Ring-necked Pheasants Across a Heterogeneous Landscape – H Syvertson\*‡, S Harsh‡, A Gregory, [RC Lonsinger](#) – South Dakota Chapter of The Wildlife Society Meeting, Oacoma, SD (Poster)
- 2018 Grassland Bird Use of High and Low Diversity Native Plantings – JK Krakow\*‡, KK Bakker, KW Kelsey, KC Jensen, [RC Lonsinger](#) – South Dakota Ornithologists’ Union, Madison, SD (Oral)
- 2018 Home is Where the Habitat is: Factors Impacting Nest Site Selection and Nest Success of a Grassland Bird – S Harsh\*‡, H Syvertson‡, [RC Lonsinger](#), A Gregory – The Wildlife Society Meeting, Cleveland, OH (Oral)
- 2018 Modeling the Abundance and Density of Ring-necked Pheasants Across a Heterogeneous Landscape – H Syvertson\*‡, S Harsh‡, A Gregory, [RC Lonsinger](#) – The Wildlife Society Meeting, Cleveland, OH (Poster)
- 2018 Comparing Parasite Diversity and Abundance in Rural and Urban Eastern Cottontail Rabbits in Stevens Point, Wisconsin – S Claeys\*‡, H. Schley, [RC Lonsinger](#) – The Wildlife Society Meeting, Cleveland, OH (Poster)
- 2018 Coupling Noninvasive Genetic Sampling with Spatial Capture-Recapture to Monitor Sympatric Carnivores at Scales Relevant to Installation Management – [RC Lonsinger\\*](#), PM Lukacs, EM Gese, RN Knight, LP Waits – National Military Fish and Wildlife Association Workshop, Norfolk, VA (Invited Oral; Session Chair)
- 2018 The Application of Multi-Season Occupancy Models to Evaluate the Dynamics of Co-Occurring Species and Assess Risk for a Sensitive Carnivore – [RC Lonsinger\\*](#), EM Gese, LL Bailey, RN Knight, LP Waits – National Military Fish and Wildlife Association Workshop, Norfolk, VA (Invited Oral; Session Chair)
- 2018 Relating Predator Community Dynamics and Duck Nest Survival in Eastern South Dakota – SM Fino\*, JD Stafford, AT Pearse, JA Jenks, [RC Lonsinger](#) – Midwest Fish and Wildlife Conference, Milwaukee, WI (Poster)
- 2017 Evaluating the Influence of Intraguild Predation on the Spatial Dynamics of Kit Foxes – [RC Lonsinger\\*](#), EM Gese, LL Bailey, LP Waits – American Society of Mammalogists Meeting, Moscow, ID (Oral; Session Chair)
- 2017 The Application of Occupancy Models to Investigate the Dynamics of Co-occurring Canids – [RC Lonsinger\\*](#), EM Gese, LL Bailey, LP Waits – Midwest Furbearer Workshop, Decorah, IA (Oral)
- 2017 Developing Novel Spatial Capture-Recapture Survey Designs for Estimating Management-Scale Cougar Density in New Mexico, USA – SM Murphy\*, JW Cain III, D Wilckens, GW Roemer, [RC Lonsinger](#), M Peyton – 12<sup>th</sup> Mountain Lion Workshop, Estes Park, CO (Oral)
- 2017 Diet Composition of Central Wisconsin Coyotes (*Canis latrans*) – E Van Beek\*‡, [RC Lonsinger](#) – Undergraduate Research Symposium, Stevens Point, WI (Poster)
- 2017 For Fox Sake: Intraguild Predation Drives Desert Fox Spatial Dynamics – [RC Lonsinger\\*](#)– Michigan State University Department of Fisheries and Wildlife Seminar, East Lansing, MI (Invited Oral)
- 2017 Monitoring Species of Concern on Military Lands Using Noninvasive Genetic Sampling – LP Waits\*, S Woodruff, [RC Lonsinger](#) – National Military Fish and Wildlife Association Workshop, Spokane, WA (Invited Oral)
- 2017 Coupling Noninvasive Genetic Sampling with Capture-Recapture and Occupancy Analyses to Facilitate Multi-Species Monitoring of Sympatric Carnivores – [RC Lonsinger\\*](#), LP Waits – Wisconsin Chapter of The Wildlife Society, Milwaukee, WI (Oral)

- 2016 The Roles of Habitat and Intraguild Predation on the Spatial Dynamics of a Subordinate Mesocarnivore – RC Lonsinger\*, EM Gese, LL Bailey, LP Waits – The Wildlife Society Meeting, Raleigh, NC (Oral)
- 2015 Kit foxes and Coyotes: Population Demographics, Patterns of Occurrence, and Interspecific Interactions – RC Lonsinger\*, LP Waits – Dugway Natural Resource Program Meeting, Dugway, UT (Invited Oral)
- 2015 Monitoring Species of Concern Using Noninvasive Genetic Sampling and Capture-Recapture Method– LP Waits\*, RC Lonsinger\*, S Woodruff\* – SERDP & ESCTP Joint Annual Meeting, Arlington, VA (Invited Oral)
- 2015 Sampling Methodology and a Comparison of Traditional and Molecular Diet Analyses – E Gosselin\*‡, RC Lonsinger, LP Waits – University of Idaho Innovation Showcase, Moscow, ID (Oral)
- 2015 Sampling Methodology and a Comparison of Traditional and Molecular Diet Analyses – E Gosselin\*‡, RC Lonsinger, LP Waits – Idaho Chapter of The Wildlife Society, Pocatello, ID (Oral)
- 2015 Noninvasive Genetic Sampling Approaches for Monitoring Wildlife – LP Waits\*, S DeMay, RC Lonsinger, S Woodruff – Idaho Chapter of The Wildlife Society, Pocatello, ID (Oral)
- 2015 Monitoring Species of Concern on Military Lands Using Noninvasive Genetic Sampling – S Woodruff\*, RC Lonsinger, LP Waits – National Military Fish and Wildlife Association Workshop, Omaha, NE (Invited Oral)
- 2014 The Influence of Habitat and Landscape Features on Population Genetic Structure of a Mesocarnivore – RC Lonsinger\*, R Schweizer, J Pollinger, R Wayne, GW Roemer – The Wildlife Society Meeting, Pittsburgh, PA (Oral)
- 2014 Using Genes to Investigate the Ecology and Conservation of Carnivores – RC Lonsinger\* – Gannon University Biology Department Research Seminar, Erie, PA (Invited Oral)
- 2014 Designing Effective Noninvasive Genetic Sampling Approaches for Monitoring Wildlife – LP Waits\*, S Woodruff, RC Lonsinger – Society for Conservation Biology Meeting, Missoula, MT (Oral)
- 2014 Conservation Genetics: Using Noninvasive Genetic Sampling to Investigate Two Sympatric Carnivores – RC Lonsinger\* – Integrated Natural Resource Management Annual Meeting, Salt Lake City, UT (Invited Oral)
- 2014 Resource Partitioning Between Sympatric Carnivores: A Comparison of Historic and Contemporary Dietary Overlap – P Byerly\*‡, RC Lonsinger, LP Waits – Idaho Chapter of The Wildlife Society, Boise, ID (Oral)
- 2014 Balancing Scat Deposition and Fecal DNA Degradation Rates to Optimize Concurrent Noninvasive Genetic Sampling of Intraguild Predator and Prey Species – RC Lonsinger\*, EM Gese, LP Waits – Gordon Research Conference on Predator-Prey Interactions, Ventura, CA (Poster)
- 2013 Monitoring Species of Concern Using Noninvasive Genetic Sampling and Capture-Recapture – LP Waits\*, RC Lonsinger\*– SERDP & ESCTP Joint Annual Meeting, Arlington, VA (Invited Oral)
- 2013 Balancing Scat Deposition and Fecal DNA Degradation Rates to Optimize Noninvasive Genetic Sampling of Carnivores – RC Lonsinger\*, EM Gese, LP Waits – The Wildlife Society Meeting, Milwaukee, WI (Oral)
- 2013 Monitoring Species of Concern Using Noninvasive Genetic Sampling – RC Lonsinger\*, LP Waits – Integrated Natural Resource Management Annual Meeting, Salt Lake City, UT (Invited Oral)
- 2012 The Influence of Habitat and Landscape Features on Population Genetic Structure of a Mesocarnivore – RC Lonsinger\*, R Schweizer, J Pollinger, R Wayne, GW Roemer – American Society of Mammalogists Meeting, Reno, NV (Oral)
- 2011 Raven (*Corvus corax*) Trends Across the Great Basin and Implications to Imperiled Sage-Grouse Populations – RC Lonsinger\*– Sage-Grouse Advisory Committee Annual Meeting, Pocatello, ID (Invited Oral)
- 2006 An Evaluation of Prairie Dog Demographics and Black-footed Ferret Recovery Efforts – RC Lonsinger\*– Arizona Black-footed Ferret Working Group Meeting, Flagstaff, AZ (Invited Oral)
- 2005 Coupling Demographic and Bioenergetic Approaches to Assess Habitat Suitability for Ferrets – RC Lonsinger\*, GW Roemer – Black-footed Ferret Conservation Subcommittee Meeting, Fort Collins, CO (Invited Oral)
- 2004 The AZ Game and Fish Department’s Black-footed Ferret Reintroduction Project Successes – RC Lonsinger\*– Carnivores Conference 2004, Santa Fe, NM (Poster)

## **Outreach Presentations**

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- 2012 Sagebrush Wildlife Ecology – RC Lonsinger – Environmental Education Outreach Program, Ketchum, ID
- 2011 Conserving Biodiversity in Southern Idaho’s Changing Landscape – RC Lonsinger– Prairie Falcon Audubon Society Meeting, Twin Falls, ID
- 2011 Implications of Climate Change to Local Flora and Fauna – RC Lonsinger– 24 Hours of Reality: Climate Change Panel Discussion, Ketchum, ID
- 2011 The Natural History of Ringtails (*Bassariscus astutus*)– RC Lonsinger – Prairie Falcon Audubon Society Meeting, Twin Falls, ID
- 2011 Diversity Inventory, Monitoring, & Research – RC Lonsinger– ID Master Naturalist, Hailey, ID
- 2006 Black-footed Ferret Ecology and Conservation: A Base of Knowledge for Interpretive Staff – RC Lonsinger\*– Grand Canyon National Park Employee Training, Grand Canyon, AZ

## **Select Popular Press Coverage**

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- 2019 National Geographic Explorer Biography Interview (to be used for National Geographic Education Campaigns and within mathematics textbooks to inspire K-12 students to pursue STEM fields)
- 2019 Growing South Dakota Magazine article “Mesocarnivores in multi-use landscapes” by A Schubloom
- 2019 National Public Radio’s (NPR) Innovation Friday Broadcast (Interview)
- 2019 UWSP promotional video interview on Distinguished Alumnus Travis Livieri
- 2017 The Pointer article “Prospective border wall threatens endangered wildlife” by N Albert
- 2016 Windows to Wildlife article “A ring-tailed what?” by R Winton
- 2015 SERDP & ESTCP Webinar “Innovative Tools for Species Inventory, Monitoring, and Management” by L Waits
- 2014 Natural Selections article “Getting the scoop from poop” by S. Woodruff, R Lonsinger, and L Waits
- 2012 Argonaut article “Sustaining multiple perspectives” by M Maw
- 2012 National Park Service Resource Brief “Ringtails: possible range expansion?” by RC Lonsinger
- 2011 Times-News article “Sage grouse recovery group’s own numbers endangered” by K Kruiis

## **Recent Society Affiliations & Professional Service**

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- 2019–Present South Dakota State University Quantitative Fisheries Ecologist Faculty Search Committee
- 2019–Present South Dakota State University Department of Natural Resource Management committee service: Recruitment and Retention Committee, Space and Facilities Committee, Graduate Curricula Committee
- 2018–Present South Dakota State University Institutional Animal Care and Use Committee
- 2017–Present The National Geographic Society Explorers Advisory Panel
- 2014–Present Reviewer: Journal of Mammalogy, Ecosphere, Molecular Ecology, Molecular Ecology Resources, Conservation Genetics, Conservation Genetic Resources, Canadian Journal of Zoology, Journal of Wildlife Management, Wildlife Society Bulletin, Rangeland Ecology & Management, African Journal of Ecology, Mammalia, Diversity & Distributions, Wildlife Biology, Wildlife Research, book chapters
- 2006–Present Member: The Wildlife Society (TWS; 2006-), American Society of Mammalogists (2009-), American Association for the Advancement of Science (2015-), Ecological Society of America (2017-)
- 2006–Present TWS Working Groups: Biological Diversity (2006-), Molecular Ecology (Founding member; 2015-), Military Lands (2013-)
- 2016–2018 University of Wisconsin-Stevens Point College of Natural Resources Personnel Committee (Fall 2017–Spring 2018) and Undergraduate Research Symposium Committee (Fall 2016–Spring 2018)
- 2016–2018 Wisconsin Chapter of The Wildlife Society Awards & Scholarships Committee
- 2012–2015 University of Idaho College of Natural Resources Faculty (1) and staff (3) hiring committees (Fall 2012–Fall 2015) and Department of Fish & Wildlife Sciences Graduate and Professional Student Association Senator (2014–2015)
- 2013–2015 University of Idaho Department of Fish & Wildlife Sciences External Seminar Series Founder (2013–2015) Joint University of Idaho & Washington State University Journal Club Founder/Coordinator (2014–2015)
- 2010–2012 South Magic Valley Sage-Grouse Local Working Group member and facilitator (2010–2012) Idaho Sage-Grouse Advisory Committee Local Working Group Representative (2011–2012)



## **Awards & Recognition**

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2019	Travel Award, Near-term Ecological Forecasting Initiative
2019	Early Professional Travel Award, American Society of Mammalogists
2016	Fish & Wildlife Outstanding Graduate Student Award, University of Idaho
2015	Alumni Award for Excellence, University of Idaho Alumni Association
2015	Graduate Student Scholarship, Idaho Chapter of The Wildlife Society
2013	National Geographic Explorer Award, National Geographic Society
2010	Graduate School Honors, New Mexico State University

## **Professional References**

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<b>Dr. Lisette Waits, Distinguished Professor/Chair</b> University of Idaho, Department of Fish & Wildlife Resources Relationship: PhD advisor	<a href="mailto:lwaits@uidaho.edu">lwaits@uidaho.edu</a> <b>208.885.7823</b> Moscow, ID
<b>Dr. Eric Gese, Professor/Research Wildlife Biologist</b> Utah State University, Department of Wildland Resources/USDA National Wildlife Research Center Relationship: Collaborator	<a href="mailto:eric.gese@usu.edu">eric.gese@usu.edu</a> <b>435.797.2542</b> Logan, UT
<b>Dr. Jonathan Jenks, Distinguished Professor</b> South Dakota State University, Department of Natural Resource Management Relationship: Colleague	<a href="mailto:jonathan.jenks@sdstate.edu">jonathan.jenks@sdstate.edu</a> <b>605.690.4740</b> Brookings, SD
<b>Dr. Gary Roemer, Professor</b> New Mexico State University, Department of Fish, Wildlife, & Conservation Ecology Relationship: MS advisor	<a href="mailto:groemer@nmsu.edu">groemer@nmsu.edu</a> <b>575.646.3394</b> Las Cruces, NM