

**EDUCATION:**

Degree:

- 2009 Ph.D. Natural Resources, University of Idaho, Moscow, Idaho  
Dissertation: Spatial and temporal population dynamics of an elk metapopulation in Idaho: Demography, genetics, and environmental factors
- 1993 M.S. Environmental and Forest Biology, State University of New York College of Environmental Science and Forestry, Syracuse, New York  
Thesis: Socio-spatial dynamics of white-tailed deer in the central Adirondack Mountains, New York
- 1987 B.A. Environmental, Population, and Organismic Biology, University of Colorado, Boulder, Colorado

Non-degree:

- 2014-Business for Scientists workshop. University of Idaho, Moscow, Idaho
- 2013-Online Tools for Environmental Data Retrieval, Ecological Modeling, and Visualization short course, International Congress for Conservation Biology, Baltimore, Maryland
- 2013-The Zonation Conservation Prioritization Framework and Software short course, International Congress for Conservation Biology, Baltimore, Maryland
- 2012-An Introduction to Structured Decision Making for Natural Resources workshop, The Wildlife Society conference, Portland, Oregon
- 2011-Science Communication Seminar, University of Idaho, Moscow, Idaho
- 2007-Modeling Patterns and Dynamics of Species Occurrence workshop, Colorado State University, Fort Collins, Colorado
- 2005-Grants 101: Professional Grant Proposal Writing workshop, Boise, Idaho
- 2003-Teaching Assistant Professional Training program, University of Idaho, Moscow, Idaho
- 2001-Metapopulations of Animals and Plants short course, University of Idaho, Moscow, Idaho
- 1999-Experimental Design and Model Development workshop, Predicting Species Occurrences Conference, Snowbird, Utah.
- 1988-North Carolina Red Wolf Project, San Francisco State University, San Francisco, California

**PROFESSIONAL EXPERIENCE:**

- 2015-present Conservation Biologist/Principal Researcher, Department of Fish and Wildlife Sciences, University of Idaho, Moscow, Idaho.
- 2010-present Affiliate Faculty, Environmental Science Program, College of Natural Resources, University of Idaho, Moscow, Idaho.
- 2004-2015 Conservation Biologist and Principal Investigator, National Gap Analysis Program, Department of Fish and Wildlife Sciences, University of Idaho, Moscow, Idaho.

**JOCELYN L. AYCRIGG**

College of Natural Resources  
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Office: 208-885-3901

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- 2004 Instructor for Landscape Ecology, Department of Forest Resources, University of Idaho, Moscow, Idaho.
- 2003-2004 Teaching assistant for Wildlife Population Ecology and Advanced Population Biology, Department of Fish and Wildlife Resources, University of Idaho, Moscow, Idaho.
- 2001 Instructor for Interdisciplinary Natural Resource Planning, Department of Fish and Wildlife Resources, University of Idaho, Moscow, Idaho.
- 2000-2004 Research Assistant, Department of Fish and Wildlife Resources, University of Idaho, Moscow, Idaho.
- 1998-2000 Assistant Research Scientist/Illinois Gap Analysis Project Coordinator, Illinois Natural History Survey, Champaign, Illinois.
- 1997-1998 Assistant Support Scientist, Illinois Natural History Survey, Champaign, Illinois.
- 1995-1997 GIS Analyst, Oak Ridge Associated Universities, Champaign, Illinois.
- 1993-1995 GIS Program Manager, Colorado State University, Fort Drum, New York.
- 1989-1993 Research Assistant, State University of New York College of Environmental Science and Forestry, Syracuse, New York.
- 1989 Biological Technician, State University of New York College of Environmental Science and Forestry, Syracuse, New York.
- 1988-1989 Biological Consultant, Pacific Gas and Electric Company, San Ramon, California.

**GRANTS:**

TerraGraphics Environmental Engineers, Inc. \$19,217. Science Advisor Panel for the Desert Conservation Program, Clark County, Nevada. Principal Investigator for University of Idaho. (2016-2019)

Confederate Salish and Kootenai Tribe. \$4,729. Population viability of Trumpeter Swans on Flathead Indian Reservation. Principal Investigator. (2016)

Division of Distance and Extended Education, University of Idaho. \$8,000. Development of online Conservation Biology course (WLF440). Contractor. (2016)

Idaho Department of Fish and Game. \$266,000. Development of a vegetation map for predicting nutritional condition of ungulate habitat in Idaho: Pilot project (Phase I) and implementation project (Phase II). Co-principal Investigator with Dr. Eva Strand and Dr. Ryan Long. (2015-2017)

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National Park Service. \$103,870. Identify vulnerable populations of Dall's sheep in Alaska's National Parks using climate models. Co-Principal Investigator with Dr. Janet Rachlow. (2015-2017)

The Trumpeter Swan Society. \$10,000. Population viability and metapopulation analysis of trumpeter swans in Greater Yellowstone Ecosystem and Northern Rocky Mountains. Principal Investigator. (2015)

USGS Gap Analysis Program. \$869,623. Research to advance conservation science through application of USGS-GAP data. Co-Principal Investigator with Dr. Courtney Conway. (2012-2015)

U.S. Fish and Wildlife Service. \$211,511. Integrated data management network for LCCs and partners: a framework for coordinated data discovery, access, analysis, visualization, project tracking, and coordination. Collaborator with Sean Finn and 37 other collaborators. (2012-2014)

Western Governors' Association. \$40,000. Using GAP data to support the Western Governors' Association initiative on wildlife corridors and crucial habitat. Principal Investigator. (2012)

USGS Gap Analysis Program. \$3,087,560. Infrastructure and expertise for Gap Analysis Program. Principal Investigator. (2009-2013)

Boone and Crockett Club. \$8,930. Using the metapopulation concept to understand the spatial and temporal population dynamics of elk in Idaho. Principal Investigator. (2003)

Rocky Mountain Elk Foundation. \$43,000. Using the metapopulation concept to understand the spatial and temporal population dynamics of elk in Idaho. Co-Principal Investigator with Dr. E. O. Garton. (2002-2005)

Charles DeVlieg Foundation. \$2,000. Using the metapopulation concept to understand the spatial and temporal population dynamics of elk in Idaho. Principal Investigator. (2002)

Idaho Department of Fish and Game. \$63,500. Using the metapopulation concept to understand the spatial and temporal population dynamics of elk in Idaho. Co-Principal Investigator with Dr. E. O. Garton. (2000-2004)

National Science Foundation. \$171,180. An Ephemeroptera, Plecoptera, and Trichoptera (EPT) database: Internet access and geographic information system linking of collections at Illinois Natural History Survey. Co-Principal Investigator with Dr. R. Edward DeWalt and 3 other collaborators. (1999)

USGS Gap Analysis Program. \$376,501. Gap Analysis for Illinois. Co-Principal Investigator with Dr. Patrick Brown. (1999)

Illinois Council on Food and Agricultural Research (C-FAR). \$95,000. Map Illinois: Interactive web-based access to natural resource geospatial data. Principal Investigator. (1999)

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Illinois Department of Natural Resources. \$74,895. Applying spatial information technology to ecological risk assessment in Illinois. Principal Investigator. (1999)

Illinois Department of Natural Resources. \$100,286. Identification and classification of critical wildlife habitat. Co-Principal Investigator with Dr. Patrick Brown. (1999)

Oak Ridge Associated Universities. \$55,125. A spatially explicit model of a desert tortoise population in the Mojave Desert, California. Co-Principal Investigator with Dr. Steve Harper and Dr. James Westervelt. (1996)

Adirondack Wildlife Program. \$38,800. Socio-spatial dynamics of white-tailed deer in the central Adirondack Mountains, New York. Co-Principal Investigator with Dr. William F. Porter. (1993)

**HONORS/AWARDS:**

- Nominated for Outstanding Graduate Student in Fish and Wildlife Resources, 2009
- Member of Sigma Xi Honor Society, 2006
- Graduate and Professional Student Association Annual Graduate Student Exhibition Award, 2005
- Graduate and Professional Student Association Travel Award, 2004
- Nominated for Alumni Awards for Excellence, 2003
- Certified Wildlife Biologist, The Wildlife Society, 2000
- Oak Ridge Associated Universities Travel Grant Award, 1991
- Edna Bailey Sussman Fund Award, 1990
- Member of Golden Key National Honor Society, 1986
- Dean's List, University of Colorado, Boulder, Colorado, 1986

**SCHOLARLY ACCOMPLISHMENTS:****Publications:****Refereed publications:**

**Aycrigg, J.**, C. Groves, J. A. Hilty, J. M. Scott, P. Beier, D. A. Boyce, D. Figg, J. Hall, H. Hamilton, G. Machlis, K. Muller, K. V. Rosenberg, M. Shaffer, and R. Wentworth. 2016. Completing the system: opportunities and challenges for a National Habitat Conservation System. *BioScience* 66:774-784.

**Aycrigg, J. L.**, J. Tricker, R. T. Belote, M. S. Dietz, L. Duarte, and G. H. Aplet. 2016. The next 50 years: opportunities for diversifying the ecological representation of the National Wilderness Preservation System. *Journal of Forestry, Special Wilderness Issue* 114:396-404.

**Aycrigg, J. L.**, R. T. Belote, M. S. Dietz, G. H. Aplet, and R. A. Fischer. 2015. Bombing for biodiversity in the United States: response to Zentelis and Lindenmayer 2015. *Conservation Letters* 8:306-307.

**Aycrigg, J.**, G. Beauvais, T. Gotthardt, F. Huettmann, S. Pyare, M. Andersen, D. Keinath, J. Lonkeker, M.

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- Spathelf, and K. Walton. 2015. Novel approaches to modeling and mapping terrestrial vertebrate occurrence in the Northwest and Alaska: an evaluation. *Northwest Science* 89:355-381.
- Dietz, M. S., R. T. Belote, G. H. Aplet, and **J. L. Aycrigg**. 2015. The world's largest wilderness preservation system after 50 years: An assessment of ecological system representation in the U.S. National Wilderness Preservation System. *Biological Conservation* 184:431-438.
- Fremier, A. K., M. Kiparsky, S. Gmur, **J. Aycrigg**, R. K. Craig, L. K. Svancara, D. D. Goble, B. Cosens, F. W. Davis, and J. M. Scott. 2015. A riparian conservation network for ecological resilience. *Biological Conservation* 191:29-37.
- La Sorte, F. A., D. Fink, W. M. Hochachka, **J. L. Aycrigg**, K. V. Rosenberg, A. D. Rodewald, N. E. Bruns, A. Farnsworth, B. L. Sullivan, C. Wood, and S. Kelling. 2015. Documenting stewardship responsibilities across the annual cycle for birds on U.S. public lands. *Ecological Applications* 25:39-51.
- Lorenz, T.J., K. T. Vierling, J. Vogeler, J. Lonneker, and **J. Aycrigg**. 2015. Incorporating shrub and snag specific LiDAR data into GAP wildlife models. *Journal of Fish and Wildlife Management*. 6(2):437-447; e1944-687X. doi: <http://dx.doi.org/10.3996/092013-JFWM-064>.
- Aycrigg, J. L.** and E. O. Garton. 2014. Linking metapopulation structure to elk population management in Idaho: a genetic approach. *Journal of Mammalogy* 95:597-614.
- North American Bird Conservation Initiative, U.S. Committee, 2014. The state of the birds 2014. U.S. Department of Interior, Washington, D.C. 16 pages. Member of Science Team that produced and wrote report. <http://stateofthebirds.org>.
- Sullivan, B. L., **J. L. Aycrigg**, J. H. Barry, R. E. Bonney, N. Bruns, C. B. Cooper, T. Damoulas, A. A. Dhondt, T. Dietterich, A. Farnsworth, D. Fink, J. W. Fitzpatrick, T. Fredericks, J. Gerbracht, C. Gomes, W. M. Hochachka, M. J. Iliff, C. Lagoze, F. A. La Sort, M. Merrifield, W. Morris, T. B. Phillips, M. Reynolds, A. D. Rodewald, K. V. Rosenberg, N. M. Trautmann, A. Wiggins, D. W. Winkler, W. Wong, C. L. Wood, J. Yu, and S. Kelling. 2014. The eBird enterprise: an integrated approach to development and application of citizen science. *Biological Conservation* 169:31-40. (Editor's choice publication for January 2014.)
- North American Bird Conservation Initiative, U.S. Committee, 2013. The State of the Birds 2013: report on private lands. U.S. Department of Interior, Washington, D.C. 48 pages. Member of Science Team that produced and wrote report. <http://stateofthebirds.org>.
- Aycrigg, J. L.**, A. Davidson, L. Svancara, K. J. Gergely, A. McKerrow, and J. M. Scott. 2013. Representation of ecological systems within the protected areas network of the continental

United States. PLoS ONE 8(1): e54689. Doi:10.1371/journal.pone.0054689.

Stamper, T., J. Hicke, M. Jennings, and **J. L. Aycrigg**. 2013. Spatial and temporal patterns of changes in protected areas across the southwestern United States. *Biodiversity and Conservation* 22:343-356.

**Aycrigg, J. L.** and J. M. Scott. 2012. Gap analysis and presence absence models. In: *Encyclopedia of Theoretical Ecology* (A. Hastings and L. J. Gross, editors). University of California Press, Berkeley, California, USA.

Garton, E. O., J. S. Horne, **J. L. Aycrigg**, and J. T. Ratti. 2012. Research and Experimental Design. In: *Techniques for wildlife investigations and management* (N. J. Silvy, editor). 7<sup>th</sup> edition. The Wildlife Society, Bethesda, Maryland, USA.

North American Bird Conservation Initiative, U.S. Committee, 2011. The state of the birds 2011 report on public lands and waters. U.S. Department of Interior, Washington, DC. 48 pages. Member of Science Team that produced and wrote report. <http://stateofthebirds.org>.

**Aycrigg, J. L.**, G. Beauvais, T. Gotthardt, K. Boykin, S. Williams, S. Lennartz, K. T. Vierling, S. Martinuzzi, and L. A. Vierling. 2010. Mapping species ranges and distribution models across the United States. *Gap Analysis Bulletin*, No. 18. <http://gapanalysis.usgs.gov/blog/865>.

**Aycrigg, J. L.**, A. Davidson, L. Svancara, K. J. Gergely, A. McKerrow, and J. M. Scott. 2010. Gap analysis of ecological systems nationwide. *Gap Analysis Bulletin*, No. 18. <http://gapanalysis.usgs.gov/blog/865>.

**Aycrigg, J. L.** 2010. The west side story: elk gangs in Idaho. *Fair Chase* 25: 30-34.

Scott, J. M., J. L. Rachlow, R. T. Lackey, A. B. Pidgorna, **J. L. Aycrigg**, G. R. Feldman, L. K. Svancara, D. A. Rupp, D. I. Stanish, and R. K. Steinhorst. 2007. Policy advocacy in science: prevalence, perspectives, and implications for conservation biologists. *Conservation Biology* 21:29-35.

**Aycrigg, J.**, and G. Beauvais. 2007. Novel approaches to mapping vertebrate occurrences for the Northwest Gap Analysis Project. *Gap Analysis Bulletin*, No. 15. <http://gapanalysis.usgs.gov/blog/usgs-gap-bulletin-15-2007>.

**Aycrigg, J. L.**, S. J. Harper, and J. D. Westervelt. 2004. Simulating land use alternatives and their impacts on a desert tortoise population in the Mojave Desert, California. In: *Spatially explicit landscape simulation modeling* (R. Costanza and A. Voinov, editors). Springer-Verlag, Inc., New York, New York, USA.

Nielsen, J. L., J. M. Scott, and **J. L. Aycrigg**. 2001. Endangered species and peripheral populations: cause

for conservation. *Endangered Species UPDATE*. 18:194-196.

**Aycrigg, J. L.** and W. F. Porter. 1997. Socio-spatial dynamics of white-tailed deer in the central Adirondack Mountains, New York. *Journal of Mammalogy*. 78:469-482.

Government reports and conference proceedings:

**Aycrigg, J. L.**, M. Andersen, G. Beauvais, M. Croft, A. Davidson, L. Duarte, J. Kagan, D. Keinath, S. Lennartz, J. Lonneker, T. Miewald, and J. Ohmann, Editors. 2013. Ecoregional gap analysis of the northwestern United States; Northwest Gap Analysis Project Draft Report. U.S. Geological Survey, Gap Analysis Program. 390 p.

**Aycrigg, J. L.**, and E. O. Garton. 2003. Delineating elk populations in Idaho: using genetic analysis to examine population structure. In: *Proceedings of the Fifth Western States and Provinces Deer and Elk workshop-2003*. (S. A. Tessman, editor).

**Aycrigg, J. L.**, S. J. Harper, and J. D. Westervelt. 1999. A demonstration of a spatially dynamic model of a desert tortoise population. In: *Proceedings of the Desert Tortoise Council Symposium, Las Vegas, Nevada*. [http://www.deserttortoise.org/ocr\\_DTCDocs/1997-1998DTCPceedings-OCR.pdf](http://www.deserttortoise.org/ocr_DTCDocs/1997-1998DTCPceedings-OCR.pdf).

**Aycrigg, J. L.**, C. Phillips, T. Maples, and T. Kompare. 1998. Mapping the diversity of amphibians and reptiles in Illinois. *Illinois Natural History Survey Publications, Champaign, Illinois*.

Manuscripts submitted/in preparation:

Dornak, L. L., **J. L. Aycrigg**, and C. J. Conway. Assessing the efficacy of conserved areas for bird conservation. *Ecosphere* (In preparation).

Garton, E. O., J. S. Horne, **J. L. Aycrigg** and C. J. Conway. Research and experimental design. In: *Techniques for wildlife investigations and management* (N. J. Silvy, editor). 8<sup>th</sup> edition. The Wildlife Society, Bethesda, Maryland, USA. (In preparation).

Vierling, K.T., T. Lorenz, **J. L. Aycrigg**, T. Cohn, J. Holbrook, and L. Svancara. From the talk to the walk" effective communication makes for effective management. In: *Landscape Ecology and Management* (In review).

**Professional meeting papers/posters over last 5 years (selected, 49 total):**

2016

**Aycrigg, J. L.**, A. K. Fremier, B. Cosens, R. K. Craig, F. W. Davis, S. Gmur, D. D. Goble, M. Kiparsky, and J. M. Scott. 2016. A riparian conservation network: concept and application. Symposium and workshop on 'Thinking Like Mountains – A Practitioner's Workshop for Continental Conservation Under Climate Change'. North American Congress for Conservation Biology, Madison, Wisconsin.

Becker, D., and **J. L. Aycrigg**. 2016. Restoration of Trumpeter Swans on the Flathead Indian Reservation and Adjacent Aboriginal Lands in Northwestern Montana. The Trumpeter Swan Society, 24<sup>th</sup> conference, Duncan, British Columbia.

#### 2015

**Aycrigg, J. L.**, J. R. Tricker, R. T. Belote, M. S. Dietz, L. Duarte, and G. H. Aplet. 2015. The next 50 years: Opportunities for diversifying the ecological representation of the National Wilderness Preservation System. Ecological Society of America, Baltimore, Maryland.

#### 2014

**Aycrigg, J.** Overview of the State of the Birds Reports 2009-2014. 2014. Symposium on: 'Conservation in the big picture.' International Association of Landscape Ecology, Anchorage, Alaska.

Davidson, A., T. Laxson, **J. Aycrigg**, L. Duarte, and L. Dunn. 2014. The ecological and social characteristics of the National Wilderness Preservation Systems (NWPS). ESRI User's conference, San Diego, California

Dietz, M. S., R. T. Belote, G. H. Aplet, and **J. L. Aycrigg**. 2014. Representation of ecological systems within the National Wilderness Preservation System of the contiguous United States: Prioritizing conservation areas for the next 50 years. Ecological Society of America, Sacramento, California.

Dornak, L., C. J. Conway, and **J. L. Aycrigg**. 2014. Are protected areas in the U.S. enough to conserve biodiversity? Symposium on: 'Conservation in the big picture.' International Association of Landscape Ecology, Anchorage, Alaska.

Duarte, L., **J. Aycrigg**, A. Davidson, J. Lonneker, T. Laxson, L. Dunn, and M. Croft. 2014. Wilderness: plants, birds, people: assessing the ecological and social characteristics of the National Wilderness Preservation System. (poster) 50<sup>th</sup> Anniversary National Wilderness Conference, Albuquerque, New Mexico.

Gotthardt, T., J. Lonneker, A. Davidson, S. Pyare, F. Huettmann, and **J. L. Aycrigg**. 2014. Identifying conservation priorities in Alaska. Symposium on: 'Conservation in the big picture.' International Association of Landscape Ecology, Anchorage, Alaska.

Hilty, J., C. Grove, J. M. Scott, and **J. L. Aycrigg**. 2014. A real national conservation strategy. National Workshop on Large Landscape Conservation, Washington DC.

Hilty, J., C. Groves, J. M. Scott, and **J. L. Aycrigg**. 2014. The United States needs a comprehensive vision for conserving its natural heritage. North American Congress for Conservation Biology, Missoula, Montana.

Kreitler, J., T. Wilson, **J. Aycrigg**, T. Laxson, and B. Sleeter. 2014. Coupled climate and land-use change effects on GAP modeled species: A draft framework for national cumulative impacts and case study of the Pacific Northwest. Symposium on: 'Conservation in the big picture.' International Association of Landscape Ecology, Anchorage, Alaska.

Long, D., E. Laurent, B. Ward, M. Heller, M. Rempel, D. Blodgett, and **J. Aycrigg**. 2014. The IDMN Toolshed in concept and practice. National Workshop on Large Landscape Conservation, Washington DC.

Lonneker, J, T. Laxson, T. D. Rich, and **J. L. Aycrigg**. 2014. Assessing representation of bird species and ecological systems within the National Wildlife Refuge System. Symposium on: 'Conservation in the big picture.' International Association of Landscape Ecology, Anchorage, Alaska.

#### 2013



Dornak, L. L., C. J. Conway, and **J. L. Aycrigg**. 2013. Do protected areas contribute to bird conservation? Joint meeting of American Ornithologists' Union and Cooper Ornithological Society, Chicago, Illinois.

Garton, E.O., S. Hayes, B. Gilbert, **J. Aycrigg**, M. Samuel, B. Ackerman, J. Unsworth, J. Horne, D. Leptich, K. Steinhorst, and P. Zager. 2013. Developing, validating, and applying new sightability models to estimate abundance and composition of populations of large mammals from aerial surveys. Symposium on: 'Thinking outside the quadrat: advances in aerial sampling to estimate abundance of terrestrial wildlife.' The Wildlife Society, Milwaukee, Wisconsin.

### 2012

**Aycrigg, J.**, J. Lonneker, A. Davidson, M. Croft, J. M. Scott. 2012. GAP data, tools, and analysis for bird conservation. Idaho Chapter of The Wildlife Society, Boise, Idaho.

**Aycrigg, J.**, J. Lonneker, M. Rubino, N. Tarr, K. Boykin, A. McKerrow, G. Beauvais, T. Gotthardt, and W. Gould. 2012. Modeling vertebrate species across the U.S.: The species modeling efforts of the Gap Analysis Program. (poster) The Wildlife Society, Portland, Oregon.

Lonneker, J., **J. Aycrigg**, G. Beauvais, M. Andersen, D. Keinath, L. Duarte, A. Davidson, and M. Croft. 2012. Informing conservation priorities in the northwestern United States. The Wildlife Society, Portland, Oregon.

Scott, J. M. and **J. Aycrigg**. 2012. America's Conservation Landscape 2076: where, what, who? Symposium on Moving Beyond Fortress Conservation: New approaches for a changing world. Society for Conservation Biology, Oakland, California.

Tarr, N., **J. Aycrigg**, A. McKerrow, M. Rubino, K. Boykin, and J. Lonneker. 2012. The Gap Analysis Program: national conservation databases for enhancing bird conservation. North American Ornithological Conference, Vancouver, British Columbia, Canada.

### 2011

**Aycrigg, J.**, L. Barnhill, C. Eberly, D. Fink, D. Mehlman, K. Rosenberg, J. Sauer, and J. M. Scott. 2011. Assessing the value of public lands and waters to U.S. birds: The 2011 State of the Birds Report. International Congress for Conservation Biology, Auckland, New Zealand.

Davidson, A., **J. Aycrigg**, E. Grossman, J. Kagan, S. Lennartz, S. McDonough, T. Miewald, J. Ohmann, A. Radel, T. Sajwaj, and C. Tobalske. 2011. Northwest Gap Analysis Project land cover mapping: methods and results. ASPRS 2011 Annual Conference, Milwaukee, Wisconsin.

Duarte, L., **J. Aycrigg**, A. Davidson, A. McKerrow, K. Gergely, and J. M. Scott. 2011. The federal lands contribution to ecological system conservation. The George Wright Society, New Orleans, Louisiana.

Duarte, L., **J. Aycrigg**, A. Davidson, L. Svancara, K. Gergely, A. McKerrow, and J. M. Scott. 2011. A 21<sup>st</sup> century strategy for America's Great Outdoors. USGS GIS Workshop, Denver, Colorado.

Harris, V., E. Strand, and **J. Aycrigg**. 2011. Effects of changing spatial and thematic scale for mapping greater sage-grouse habitat. (poster) 64<sup>th</sup> Annual meeting of the Society of Range Management, Billings, Montana.

Vierling, K. T., B. Linkhart, **J. Aycrigg**, J. Pollock, G. Sadoti, D. Vent, J. Vogeler, and L. A. Vierling. 2011. Evaluating known secondary cavity user dependencies upon cavity excavators: identifying future needs for conservation and management. Idaho Chapter of The Wildlife Society, Idaho Falls, Idaho.

2010

**Aycrigg, J.**, A. Davidson, L. Duarte, L. Svancara, K. Gergely, A. McKerrow, and J. M. Scott. 2010. Conservation of ecological systems: is there room for improvement? The Wildlife Society, Snowbird, Utah.

**Invited seminars:**

2016

**Aycrigg, J. L.**, J. R. Tricker, R. T. Belote, M. S. Dietz, L. Duarte, and G. H. Aplet. 2016. The next 50 years: Opportunities for diversifying the ecological representation of the National Wilderness Preservation System. Online webinar, which was part of the Wilderness Science Webinar Series hosted by the Arthur Carhart National Wilderness Training Center featuring Aldo Leopold Wilderness Research Institute science highlights.

2014

**Aycrigg, J. L.** 2014. Exploring GIS applications in biodiversity research. Symposium on Meeting Big Data Challenges in Biodiversity Research: Data Collection, Processing, Analysis, and Application. Cornell Laboratory of Ornithology, Ithaca, New York

**Aycrigg, J. L.** 2014. Conservation Café: Implementing conservation with partners, USGS Gap Analysis Program, State Wildlife Action Plan Coordinators meeting, St. Louis, Missouri

**Aycrigg, J. L.** 2014. Assessing the value of private lands and waters to U.S. birds: The state of the birds report 2013. Palouse Audubon Society, Moscow, Idaho

2013

**Aycrigg, J. L.**, J. Sauer, D. Fink, D. Mehlman, K. V. Rosenberg, L. L. Dornak, and C. J. Conway. 2013. National survey and observational databases inform bird conservation efforts. Symposium on: Re-purposing data: opportunities and challenges of alternative uses of online survey data. The Wildlife Society, Milwaukee, Wisconsin.

**Aycrigg, J. L.** 2013. Gap Analysis Program: species range mapping and distribution modeling. U.S. Geological Survey Seminar, Boise, Idaho

2011

**Aycrigg, J. L.** 2011. State of the birds 2011: report on public lands and waters of the United States of America. U.S. Geological Survey Headquarters Seminar, Reston, Virginia.

**Aycrigg, J. L.** 2011. GAP data, tools, and analysis for bird conservation. Department of Defense Partners in Flight, Boise, Idaho.

2010

**Aycrigg, J.** 2010. Spatial and temporal dynamics of an elk metapopulation in Idaho: demography, genetics, and environmental factors. Idaho Department of Fish and Game, Boise, Idaho.

**Aycrigg, J.**, A. Davidson, L. Duarte, L. Svancara, K. Gergely, A. McKerrow, and J. M. Scott. 2010. Conservation of ecological systems: is there room for improvement? Oregon/Washington and California Partners in Flight meeting, Ashland, Oregon.

2007

**Aycrigg, J.** 2007. National Gap Analysis Program. IUCN Committee on Biodiversity, Yellowstone National Park, Wyoming.

2004

**Aycrigg, J. L.** 2004. Moving frontiers in wildlife graduate education: past, present, and future. Idaho Chapter of The Wildlife Society, Moscow, Idaho.

**TEACHING ACCOMPLISHMENTS:**

**Courses taught:**

- Conservation Biology (WLF440 online), Instructor, Spring 2017, University of Idaho
- Wildlife Population Ecology (WLF448), Teaching assistant, Fall 2003 and Fall 2004, University of Idaho
- Landscape Ecology (FOR429), Instructor, Spring 2004, University of Idaho
- Advanced Population Biology (WLF541), Teaching assistant, Fall 2003, University of Idaho
- Interdisciplinary Natural Resource Planning (CNR470), Co-Instructor, Fall 2001, University of Idaho

**Mentoring/Supervising:**

Undergraduate students

State University of New York College of Environmental Science and Forestry

- Taught and oversaw work of 4-10 field assistant per year during field research involving trapping, darting, handling, drugging, marking, and radio-collaring about 200 deer, and seasonal ground and aerial radio-tracking of 30-40 adult deer (1989-1993)

University of Idaho

- Taught and oversaw work of 2-3 work study students and 1-2 lab assistants per year, who assisted in the genetic analysis of elk tissue samples (2000-2005)
- Mentored Bleak and DeVlieg Intern at Taylor Wilderness Research Station researching the efficacy of citizen science bird surveying in the Frank Church-River of No Return Wilderness (2016)
- Mentored 2 undergraduates in Department of Fish and Wildlife Sciences as part of WLF204 class, exposed them to wildlife research including field work and data analysis (2016)

Graduate students

University of Idaho:

- Currently co-advising M.S. graduate student in Department of Environmental Science (2015-2017)
- Served on M.S. graduate student committee in Department of Fish and Wildlife Sciences (2015-2016)
- Provided funding for and mentoring of 8 graduate students (5 M.S., 3 Ph.D.) in Departments of Geography, Rangeland Ecology, and Fish and Wildlife Sciences (2005-2013)
- Served on 2 M.S. graduate student committees in Departments of Rangeland Ecology and Geography (2009-2012)

Research positions

University of Idaho

- Currently supervising 1 researcher in Department of Fish and Wildlife Sciences (2016-present)

**JOCELYN L. AYCRIGG**

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- Supervised 1 researcher, 1 database technician, and 1 field technician in Department of Fish and Wildlife Sciences (2015-2016)
- Supervised 3-6 research personnel per year in Department of Fish and Wildlife Sciences (2004-2015)
- Co-advised postdoctoral researcher in Department of Fish and Wildlife Sciences (2013-2014)

**Invited Lectures and Workshops:**

- Guest lecturer (2003-2016) for classes at the University of Idaho in Exploring Natural Resources, Fish and Wildlife Population Ecology, Introduction to Geospatial Analysis for Natural Resource Management, Landscape Ecology, Ornithology, Environmental Science Seminar, Space Matters: Landscape Approaches for Ecology and Conservation, Wildlife Ecology, and Wildlife Habitat Management. 1-3 lectures/year
- Fish and Wildlife Seminar. "Advocacy in wildlife science: Prevalence and implications", University of Idaho, Moscow, Idaho (2006)
- Guest lecturer on "Population genetics applied to Idaho elk populations", Washington State University, Pullman, Washington (2005)
- Illinois Chapter of American Fisheries Society. "GIS workshop for American Fisheries Society" (1 week) Starved Rock State Park, Illinois. (1999)

**SERVICE:****Committees:**

- Member of The Wildlife Society Aldo Leopold Award Committee (2016)
- Member of The Wildlife Society Caesar Kleberg Research Award Committee (2016)
- Member of The Wildlife Society Special Recognition Award Committee (2016)
- Member of The Wildlife Society Honorary Membership Nomination Committee (2016)
- Member of Science Team for State of the Birds 2014 report (2013-2014)
- Member of Science Team for State of the Birds 2013 report (2012-2013)
- Member of The Wildlife Society Conservation Education Award Committee (2013)
- Member of The Wildlife Society Publication Awards Committee (2012)
- Member of Science Team for State of the Birds 2011 report (2011)

**University of Idaho**

- College of Natural Resources Outcomes and Assessment Strategies Committee (2007)
- Participated in College of Natural Resources Student Leadership Retreat (2006)
- Coordinator and Member of Organizing committee for National Gap Analysis Conference and Interagency Symposium, Reno, NV (2005)
- Graduate and Professional Student Association representative for the Department of Fish and Wildlife Resources (2004-2005)

- Representative for Department of Fish and Wildlife Resources on Workshop for the Structure and Design of the Teaching Assistant Professional Training Program (2003)
- Graduate Student Representative at Department of Fish and Wildlife Resources Faculty Meetings (2002-2003)
- Numerous search committees and tenure and promotion committees (2004-2014)

**Memberships in professional organizations:**

- American Society of Mammalogists
- Animal Behavior Society
- Ecological Society of America
- International Society for Behavioral Ecology
- International Association of Landscape Ecology
- Northwest Scientific Association
- Society for Conservation Biology
- The Wildlife Society

**Editorial services:**

Editor: Gap Analysis – A Geographic Approach to Planning for Biological Diversity (2005-2008)  
Manuscript reviewer for BioScience, Forest Science, Global Biogeography, Journal of Fish and Wildlife Management, Journal of Forestry, Journal of Mammalogy, Journal of Wildlife Management, Land, Land Use Policy, Northwest Science, Photogrammetric Engineering & Remote Sensing, Wildlife Society Bulletin

**Other services:**

- Consultant to National Geographic for their ‘Saving Unique Habitats’ map in the December 2016 issue of the National Geographic magazine (2016)
- Reviewer for University of Idaho Seed Grant Program, Moscow, Idaho (2015)
- Reviewer for National Science Foundation Graduate Research Fellowship Program, Moscow, Idaho (2015)
- University of Idaho Friendship Family for 2 Brazilian students, Moscow, Idaho (2014-2015)
- International Association of Landscape Ecology, organizer of Conservation in the Big Picture: Data and Analysis to Inform the Future symposium, Anchorage, Alaska (2014)
- Cul de Sac High School, Idaho Career night presentation on my career as a wildlife professional, Cul de Sac, Idaho (2013)
- Idaho Department of Fish and Game volunteer, Clearwater Region, Idaho (2013-present)
- Alternative Giving Market of the Palouse volunteer, Moscow, Idaho (2013-2015)
- Board of Directors, Palouse Land Trust, Moscow, Idaho (2010-present)
- Member of Moscow Giving Circle, Moscow, Idaho (2010-present)

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- Land Trust Alliance, organizer of Northwest land cover, land stewardship, and species data for land trusts workshop at Land Trust Rally, Walla Walla, Washington (2010)
- Invited reviewer of report entitled “Model criteria and implementation guide for a priority amphibian and reptile conservation area (PARCA) system in U.S.” by Partners in Amphibian and Reptile Conservation (2010)
- Ecological Society of America, organizer of the Gap Analysis Program: addressing the future needs of ecological research, conservation, and restoration symposium, San Jose, California (2007)
- Cooper Ornithological Society Annual Meeting volunteer, Moscow, Idaho (2007)
- Board of Directors, Foothills Nature Center, Boulder, Colorado (1987-1988)