

AMANDA L. BENTLEY BRYMER

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EDUCATION

Ph.D. University of Idaho: Environmental Science, 2015

- Dissertation: A Social-Ecological Systems Approach to Understanding Environmental Changes, Impacts, Learning, and Well-Being in Rangelands

M.S. Texas A&M University: Recreation, Park, & Tourism Sciences, 2011

B.A. Texas A&M University: Communication, 2007

PROFESSIONAL BACKGROUND & EXPERIENCE

Appointments at University of Idaho

- *Researcher*, Rangeland Center, University of Idaho, 2018-present

Appointments at Miami University

- *Visiting Assistant Professor*, Project Dragonfly, Department of Biology, 2016-2017
- *Visiting Faculty*, Institute for the Environment & Sustainability, 2016

Additional Experiences

- *Graduate Research Fellow*, NSF-IGERT, University of Idaho, 2011-2015
- *Graduate Research Assistant*, Texas A&M University, 2009-2011
- *Certified Professional Tour Director*, Collette Vacations, 2007-2009
- *Interpretive Services Intern*, U.S. Forest Service, Mt. Hood National Forest, 2006
- *Staff Writer*, The Battalion, Texas A&M University Student Newspaper, 2004-2006

PUBLICATIONS

Peer-reviewed articles

Bentley Brymer, A. L., Wulforst, J. D., and Brunson, M. (2018). Analyzing stakeholders' workshop dialogue for evidence of social learning. *Ecology & Society*, 23(1) 42.

Brymer, R. A., Dumyahn, S., and **Bentley Brymer, A. L.** (2017). Exploring sustainability's frontier: marketization and transparency on public lands. In *Sustainability, Society, Business Ethics, and Entrepreneurship*, Don Siegal, Gideon Markman, Amy Guerber, & Wan-Ting Su (Eds). World Scientific: London.

Bentley Brymer, A. L., Holbrook, J. D., Niemeyer, R. J., Suazo, A. A., Wulforst, J.D., Vierling, K. T., Newingham, B. A., Link, T. E., and Rachlow, J. L. (2016). A social-ecological impact assessment for public lands management: application of a conceptual and methodological framework. *Ecology & Society*, 21(3).

Bosque-Perez, N., Klos, Z. P., Force, J. E., Waits, L. P., Cleary, K., Rhoades, P., Galbraith, S. M., **Bentley Brymer, A. L.**, O'Rourke, M., Eigenbrode, S. D., Finegan, B., Wulforst, J.D., Sibelet, N., and Holbrook, J. D. (2016). A pedagogical model for team-based, problem-focused interdisciplinary doctoral education. *BioScience-Education*.

Bentley, A. L. and Schuett, M. A. (2012). On the border in Everglades and Dry Tortugas National Parks: Federal law enforcement perspectives on response to Cuban immigrant landings. *Journal of Park and Recreation Administration*, 30(2) 63-84.

Toledo, D., Agudelo, M. S., **Bentley, A. L.** (2010) The shifting of ecological restoration benchmarks and their social impacts: Digging deeper into Pleistocene re-wilding. *Restoration Ecology*, 19(5), 564-568.

Technical Research Reports

- Bentley, A. L.,** Six, G., Schuett, M.A., Matarrita-Cascante, D. 2010. *An exploratory study of migrant landings and park resources in south Florida's national parks.* (Prepared for the National Park Service, Regional Directors Meeting). College Station, TX: Texas A&M University.
- Schuett, M.A. & **Bentley, A. L.** 2010. *Caving on private land: Opportunities and responsibilities for landowners.* (Prepared for AgriLife Extension). College Station, TX: AgriLife Communications, The Texas A&M System.
- Schuett, M.A., Kang, M., **Bentley, A. L.,** Gao, C. 2010. *Outdoor recreation participation analysis for Texas: 1994-2009.* (Prepared for Texas Parks and Wildlife Department). College Station, TX: Texas A&M University.

In progress to be submitted for peer review

- Bentley Brymer, A. L.,** Wulfhorst, J.D. Public lands litigation: a case of social system (dis)services in natural resource management. Targeted for *Ecology & Society*.
- Flint, C., Givens, J., Schirmer, J., **Bentley Brymer, A. L.,** Yoshida, Y. Well-being: exploring the concept across scales, places, and linkages. Targeted for *Society and Natural Resources*.
- Bentley Brymer, A. L.** Integrating social processes with ecosystem services for a holistic social-ecological systems approach. Targeted for *Ecosystem Services*.
- Bentley Brymer, A. L.** Classifying and describing social system services and their influence on human well-being. Targeted for *Global Environmental Change*.

CURRENT & DEVELOPING RESEARCH PROJECTS

Comparing business-as-usual to aspirational rangeland management practices across the Great Basin

- Collaboration with Agricultural Research Service for USDA Long-term Agro-ecosystem Research Network (LTAR), USA.

Documenting livestock ranching practices and private land stewardship in the humid Chaco.

- Collaboration with international partner and scholars: Para la Tierra, Paraguay.

Integrating ecosystem services, social processes, and well-being to assess positive and negative impacts of recreational and artisanal fisheries.

- Collaboration with international partner and scholars: Central Caribbean Marine Institute, Department of the Environment, The Cayman Islands.

Well-being: exploring the concept across scales, places, and linkages.

- Collaboration with national and international scholars: Utah State University, University of Canberra, and University of Tokyo.

Importing strategy and human capital scholarship for natural resource management.

- Collaboration with national scholars: Miami University.

GRANTS & CONTRACTS

- Bernacchi, L., **A. L. Bentley Brymer.** 2018. Contracted co-facilitator for University of California Water Security Collaborative Meeting. (25 May) Sacramento, CA, USA.
- Wulfhorst, J., **A. L. Bentley Brymer,** J. Holbrook, R. Niemeyer, and A. Suazo. 2014. Social impacts of proposed juniper removal in a public lands context: merging deliberative workshops and public participatory GIS. Bureau of Land Management. Awarded: \$16,841.
- Wulfhorst, J., **A. L. Bentley Brymer,** J. Holbrook, R. Niemeyer, and A. Suazo. 2014. Social impacts of proposed juniper removal in a public lands context: merging deliberative workshops and public participatory GIS. Idaho Office of Species Conservation. Awarded: \$12,500.

- Wulfhorst, J., **A. L. Bentley Brymer**, J. Holbrook, R. Niemeyer, and A. Suazo. 2014. Social impacts of proposed juniper removal in a public lands context: merging deliberative workshops and public participatory GIS. University of Idaho Rangeland Center. Awarded: \$3,692.20.
- Schuett, M.A., D. Matarrita-Cascante, **A. L. Bentley**. 2010-2011. Issues facing south Florida/Caribbean Parks in the Southeast Region. National Park Service. Awarded: \$32,179.

PRESENTATIONS

Invited

Bentley Brymer, A. L., (22 April 2018). “*How can Miami University students be more sustainable?*” Presented at the Green Week Convention, Miami University – Oxford, Ohio, USA.

Bentley Brymer, A. L., (15 November 2016). *Let's Make it Personal! Exploring Multiple Dimensions of Sustainability in Public Lands Management*. Presented to Engineers for a Sustainable World, University of California - Merced, USA.

Webinar

Bentley Brymer, A. L. (2018, July). Analyzing stakeholders’ workshop dialogue for evidence of social learning. To be presented to the Learning Community, a working group of the Integrated Assessment Society. Coordinated by: Joanne Vinke-de Kruijf (University of Twente), Blane Harvey (McGill University), Geeske Scholz, Caroline Lumosi (University of Osnabrück) and Romina Rodela (Söderton University).

Organized Conference Panels

Flint, C., Givens, J., Schirmer, J., **Bentley Brymer, A. L.**, Yoshida, Y., (Panelist, 2017, June). Well-being: Exploring the Concept Across Scales, Places, and Linkages. Presented at the annual meeting of the International Association for Society and Natural Resources, Umeå, Sweden.

Paper Presentations

Bentley Brymer, A. L., Wulfhorst, J.D. (2018, June). “You can feel it everywhere you go”: illuminating the influence of litigation on people, communities, and ecosystems. Presented at the annual meeting of the International Association for Society and Natural Resources, Snowbird, Utah, USA.

Bentley Brymer, A. L., Wulfhorst, J.D. (2018, June). Public lands litigation: a social system process and its influence on people, communities, and ecosystems. Lightning talk presented at the Boundary Spanning Symposium for the National Socio-Environmental Synthesis Center, Annapolis, Maryland, USA.

Bentley Brymer, A. L., Wulfhorst, J.D. (2017, June). Public lands litigation and its influence on social-ecological systems: a case of social system processes in southwestern Idaho, USA. Presented at the annual meeting of the International Association for Society and Natural Resources, Umeå, Sweden.

Bentley Brymer, A. L., Wulfhorst, J.D., Brunson, M. (2016, June). Assessing dialogic interactions for evidence of social learning in a deliberative setting for public lands management. Presented at the annual meeting of the International Association for Society and Natural Resources, Houghton, Michigan, USA.

Bosque-Pérez, Nilsa A.; Force, Jo Ellen; Waits, Lisette P.; Eigenbrode, Sanford D.; Wulfhorst, J.D.; Cleary, Kate; Holbrook, Joseph D.; Galbraith, Sara M.; **Bentley Brymer, Amanda L.**; Rhoades, Paul; O'Rourke, Michael; Finegan, Bryan; Klos, P. Zion; Sibelet, Nicole. 2016. A model for team-based interdisciplinary doctoral education. In. Science of Team Science (SciTS) Conference, May 16-19, 2016 Phoenix, Arizona, USA. University of Idaho, CATIE and CIRAD.

- Brymer, R. A., **Bentley Brymer, A. L.** (2015, August). Exploring sustainability's frontier: marketization and transparency on public lands. Presented at the annual meeting of the Academy of Management, Vancouver, British Columbia, Canada.
- Bentley Brymer, A. L.**, Holbrook, J. D., Niemeyer, R. J., Suazo, A. A., Wulfhorst, J.D., Rachlow, J. L., Vierling, K. T., Link, T. E., & Newingham, B. A. (2015, June). *Merging ecosystem services and social processes for a social-ecological impact assessment on U.S. public land*. Paper presented at the International Symposium on Society and Natural Resource Management, the annual meeting of the International Association for Society and Natural Resources, Charleston, South Carolina, USA.
- Holbrook, J. D., Niemeyer, R.J., **Bentley Brymer A. L.**, Suazo, A. A., Wulfhorst, J.D., Newingham, B., Link, T., Vierling, K., Rachlow, J. (2014, September). *Social-ecological impacts of juniper removal in a public lands context: merging deliberative workshops and participatory GIS*. Paper presented at the annual meeting of the University of Idaho NSF-IGERT Project, Boise, Idaho, USA.
- Niemeyer, R. J., **Bentley Brymer, A. L.**, Holbrook, J. D., Suazo, A. A., Heinse, R., Link, T., Newingham, B., Rachlow, J., Vierling, K., Wulfhorst, J. D. (2013, May). *Employing a deliberative process to understand knowledge integration and sagebrush-steppe system dynamics*. Paper presented at the annual meeting of the University of Idaho NSF-IGERT Project, CATIE, Costa Rica.
- Bentley, A. L.**, Holbrook, J. D., Niemeyer, R. J., Suazo, A. A., Heinse, R., Link, T., Newingham, B., O'Rourke, M., Rachlow, J., Vierling, K., Wulfhorst, J. D. (2012, August). *Understanding dynamic processes of the social-ecological system in the sagebrush-steppe of Idaho*. Paper presented at the annual meeting of the University of Idaho NSF-IGERT Program, Moscow, Idaho, USA.
- Bentley, A. L.** (2012, June). *Social learning in the sagebrush-steppe*. Paper presented at the International Symposium for Society and Natural Resource Management, the annual meeting of the International Association for Society and Natural Resources, Edmonton, Alberta, Canada.
- Bentley, A. L.**, Toledo, D., Agudelo, M. S. (2012, February). *The shifting of ecological restoration benchmarks and their social impacts: Digging deeper into Pleistocene re-wilding*. Presented at the annual meeting of the Society for Range Management, Spokane, Washington, USA.
- Bentley, A. L.**, Schuett, M.A., Matarrita-Cascante, D. (2011, April). *On the border in Everglades and Dry Tortugas: Identifying perspectives on tactics for response to immigrant landings in south Florida's national parks*. Presented at the Northeastern Recreation Research Symposium, Bolton Landing, New York, USA. March 14, 2011.
- Toledo, D., Agudelo, M. S., **Bentley, A. L.** (2011, March). *The shifting of ecological restoration benchmarks and their social impacts: Digging deeper into Pleistocene re-wilding*. Presented at the Ecological Integration Symposium, College Station, Texas, USA.
- Bentley, A. L.**, Schuett, M. A., Matarrita-Cascante, D. (2011, March). *On the border in Everglades and Dry Tortugas: Identifying perspectives on tactics for response to immigrant landings in south Florida's national parks*. Presented at the annual meeting of the George Wright Conference, New Orleans, Louisiana, USA.
- Bentley, A. L.**, Six, G., Schuett, M. A., Matarrita-Cascante, D. (2010, June). *Wet foot, dry foot: An exploratory study of illegal migrant landings and park resources in south Florida's national parks*. Presented at the annual meeting of the International Association for Society and Natural Resources, Corpus Christi, Texas, USA.
- Bentley, A. L.**, Six, G., Schuett, M.A., Matarrita-Cascante, D. *Wet foot, dry foot: An exploratory study of illegal migrant landings and park resources in south Florida's national parks*. Presented at Student Research Week, College Station, Texas. March 24, 2010.

Poster Presentations

- Niemeyer, R. J., **Bentley Brymer, A. L.**, Holbrook, J. D., Suazo, A. A., Wulfhorst, J. D., Newingham, B., Link, T. E. (2016). Interdisciplinary science for land managers: lessons learned in the context of public land management. Presented at the annual meeting of the American Geophysical Union, San Francisco, California, USA.
- Bentley Brymer, A. L.**, Wulfhorst, J.D. (2016, June). Public lands management litigation and its direct and indirect influence on human well-being: an extended model for social-ecological research. Poster to be presented at the annual meeting of the International Association for Society and Natural Resources, Houghton, Michigan, USA.
- Niemeyer, R. J., Holbrook, J.D., **Bentley Brymer, A. L.**, Suazo, A. A. (2013, October). *A rapid assessment of juniper management options in Owyhee County, Idaho: exploring future scenarios of social-ecological change*. Poster presented at the first annual Owyhee Research and Restoration Roundup, Marsing, Idaho, USA.
- Bentley Brymer, A. L.**, Holbrook, J. D., Niemeyer, R. J., Suazo, A. A. (2013, May). *A conceptual framework for investigating the sagebrush-steppe: an interdisciplinary, social-ecological approach*. Poster and video submission for the annual, nation-wide NSF-IGERT science communication competition [online].
- Bentley, A. L.**, Holbrook, J. D., Niemeyer, R. J., Suazo, A. A. (2012, August). *A conceptual framework for investigating the sagebrush-steppe: an interdisciplinary, social-ecological approach*. Poster session presented at the annual meeting of the Ecological Society of America, Portland, Oregon, USA.
- Bentley, A. L.**, Holbrook, J. D., Niemeyer, R. J., Suazo, A. A. (2012, August). *A conceptual framework for investigating the sagebrush-steppe: an interdisciplinary, social-ecological approach*. Poster session presented at the annual meeting of the University of Idaho NSF-IGERT Program, Moscow, Idaho, USA.
- Bentley, A. L.**, Wulfhorst, J. D. (2012, August). *Litigation as a driver of change: understanding the role of lawsuits in land management and identifying responses through participatory processes*. Poster session presented at the annual meeting of the University of Idaho NSF-IGERT Project, Moscow, Idaho, USA.

TEACHING AND FACILITATION

Instructor of Record

- Fall 2017 IES/BIO 699: Paraguay: Eco-Leadership (MU)
Summer 2017 IES/BIO 699: Paraguay: Eco-Leadership (MU international field course)
Spring 2017 IES/BIO 636: Professional Media Workshop (MU)
Spring 2017 IES/BIO 632: Biology in Age of Technology (MU)
Fall 2016 IES/BIO 631: Conservation Science & Community (MU)
Spring 2016 IES 274: Environment and Sustainability (MU)

Guest Lectures

- Spring 2018 IES 620: Graduate Special Topics Seminar (MU)
Fall 2017 IES 611: Interdisciplinary Problem-Solving (MU)
Fall 2016 IES 611: Interdisciplinary Problem-Solving (MU)
Fall 2015 IES 611: Interdisciplinary Problem-Solving (MU)
Fall 2014 IES 611: Interdisciplinary Problem-Solving (MU)
Fall 2013 IES 611: Interdisciplinary Problem-Solving (MU)
Spring 2012 PHIL 502: Interdisciplinary Epistemology (UI)
Spring 2011 RPTS 301: Leisure & Outdoor Recreation in America (TAMU)
Spring 2010 RPTS 201: Foundations of Recreation & Parks (TAMU)

PROFESSIONAL SERVICE

National and International Contributions

- 2017-present Reviewer, *Society & Natural Resources*
- 2013-2014 Student Rep. to Council (Elected), Int'l Assoc. for Society and Natural Resources
- 2013-2014 Student Affairs Committee Co-Chair, Int'l Assoc. for Society and Natural Resources
- 2013 Book Sale Coordinator, Annual Conference for the Assoc. for Interdisciplinary Studies
- 2012 Moderator, Organized Session on Transdisciplinarity, Ecological Society for America

University, College, and Departmental Contributions

- 2017-present Mentor, Miami University Social Entrepreneurship Student Group
- 2016-present Curriculum Development, Project Dragonfly-Dept. of Biology, Miami University
- 2013-present Natural Areas Committee, Miami University
- 2017 Graduate applicant reviewer, Project Dragonfly, Miami University
- 2016 Strategic Planning, Institute for Environment and Sustainability, Miami University
- 2012 Rangeland Center Development, University of Idaho
- 2010-2011 Graduate Student Rep. to Faculty (Elected), Dept. Rec., Park & Tourism, Texas A&M

Community

- 2018-present Board of Trustees, Three Valley Conservation Trust, Oxford, OH
- 2016-present Outreach & Membership Committee, Three Valley Conservation Trust, Oxford, OH
- 2016-present Educational Programming Committee, Three Valley Conservation Trust, Oxford, OH
- 2014-present Curator, Silvoor Biological Sanctuary, Oxford, OH
- 2014-present Coordinator, Invasive species (Amur honeysuckle) removal events, Oxford, OH
- 2010 Co-Coordinator of Environmental Stewardship, St. Thomas, College Station, TX

AWARDS AND RECOGNITION

- NSF-IGERT Fellowship, University of Idaho (2011-2012)
- NSF-IGERT Affiliated Student, Texas A&M University (2010-2011)
- Student Research Week Session Winner, Texas A&M University (2010)
- Jake Hershey Scholarship, Texas A&M University (2009)

Professional Societies (*active)

Academy of Management, Conservation Biology, Ecological Society of America, International Association for Society and Natural Resources*, Society for Range Management