

ALETHEA STEINGISSER

InfoGraphics Lab
Department of Geography
University of Oregon
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EDUCATION

M.S. Geography, University of Oregon, Eugene, 2006.
B.A. Geography, California State University Northridge, 2001.

EMPLOYMENT

2006-present: InfoGraphics Lab, University of Oregon

Position: Cartographic Production Manager (Rank: Senior Research Assistant)

Description: Cartographic designer and production manager for atlas and other cartographic projects including GIS and map design for print publication maps, management of production timelines and tasks, graduate and undergraduate student supervision, book design and layout, and preparation of files for offset press. Projects include *Wild Migrations*, *Atlas of Yellowstone* (1st and 2nd editions), Mongolian Altai Inventory, DOGAMI tsunami evacuation route maps, bicycle route maps for Oregon State Parks, Fire-Adapted Communities mapping for the UO Ecosystem Workforce Program, mapping West African archaeological sites with UO professors Stephen Dueppen and Daphne Gallagher. I have also provided cartographic production and management on multiple InfoGraphics Lab mapping efforts including *Atlas of Olympic Peninsula* (pilot), UO Campus Mapping, Oregon Department of Transportation, and Oregon Watershed Enhancement Board.

2005-2006: InfoGraphics Lab, University of Oregon

Position: Graduate Research Fellow

Description: Designed, researched, and produced maps and graphics for the *Atlas of Yellowstone*.

2003-2005: Department of Geography, University of Oregon

Position: Graduate Teaching Fellow

Description: Assisted with teaching and grading for geography courses including Physical and Human Geography, Fluvial Geomorphology, and Watershed Sciences.

Summer 2005: National Park Service, Harpers Ferry Interpretive Design Center, West Virginia

Position: Visual Information Specialist

Description: Map design and production of the Potomac Heritage Trail park brochure using NPS mapping standards and styles. Assisted with map production for other NPS interpretive materials including Grand Canyon, Lewis and Clark and Ocmulgee National Monument.

Summer 2001: National Geographic Society, Washington D.C.

Position: Cartographic Intern

Description: Created maps and graphics for K-12 history textbooks, the National Geographic website, and a variety of professional publications.

1988-2001: Prints of the City Photographic Lab, Los Angeles

Position: Manager

Description: Store manager in charge of hiring, training, supervision, standard and custom photographic printing and developing, quality control and customer relations.

SOFTWARE

Extensive professional experience in:

Adobe Illustrator
Adobe Photoshop
Adobe InDesign
Adobe Lightroom
Natural Scene Designer
ArcGIS
Microsoft Office

Familiarity with:

Carto
CSS and HTML
Leaflet
Mapbox
Open Street Map
WordPress

PROFESSIONAL PRESENTATIONS

Meacham, James E., Alethea Y. Steingisser, and Joanna Merson. “Wild Migrations: An Atlas for Conservation Advocacy”, Presentation, 2018, Annual Meeting of the North American Cartographic Information Society, Norfolk, Virginia.

Meacham, James E., Alethea Y. Steingisser, and Josie Imrie. 2018, “Wild Migrations: A Comprehensive Atlas Visualizing the Science and Conservation of Ungulate Migration Corridors” *14th Biennial Scientific Conference of the Greater Yellowstone Ecosystem. Tracking the Human Footprint*. Big Sky, Montana.

Marcus, W. Andrew, James Meacham, Justine T. Menke, Alethea Steingisser, and P. William Limpisathian. 2018, “Atlas of Yellowstone: Second Edition Celebration 150 Years: 1872-2022” *14th Biennial Scientific Conference of the Greater Yellowstone Ecosystem. Tracking the Human Footprint*. Big Sky, Montana.

Meacham, James E., Alethea Y. Steingisser, Hall Sawyer, Emilene Ostlind, William Rudd, and Matthew J Kauffman. 2016 “Designing Wildlife Migration Maps” part of the special session *Mapping Yellowstone*. North American Cartographic Information Society, Colorado Springs, CO

Meacham, James E., Alethea Y. Steingisser, Hall Sawyer, Emilene Ostlind, William Rudd, and Matthew J Kauffman. 2016 “The Atlas of Wildlife Migration: Visualizing the Complexities of Ungulate Migration in Wyoming” *13th Biennial Scientific Conference of the Greater Yellowstone Ecosystem. Building on the Past, Leading into the Future: Sustaining the GYE in the Coming Century*. Jackson, Wyoming.

Meacham, James, E, W. Andrew Marcus and Alethea Y. Steingisser (invited paper in special session: *America's Best Idea? The National Park Service 1916-2016*. “Yellowstone, Not Jellystone: The *Atlas of Yellowstone* Takes Readers Beyond the Caricature in a Deeper Exploration of the Nature and Value of America’s First National Park” 2016, American Association of Geographers Annual Meeting, San Francisco, CA

Steingisser, Alethea Y, Caroline Rose, and Lauren Tierney. “Behind the Scenes of the Atlas of Design, Volume 4”, Presentation, 2018, Annual Meeting of the North American Cartographic Information Society, Norfolk, Virginia.

Steingisser, Alethea Y. and James. E. Meacham. “Redesigning Atlas Maps for Social Media”, Presentation, 2015, Practical Cartography Day, Annual Meeting of the North American Cartographic Information Society, Minneapolis, Minnesota.

Steingisser, Alethea Y. “Cartographic Design and the *Atlas of Yellowstone*.” Keynote Presentation, 2014, Utah Valley University GIS Day, Orem, Utah.

Tierney, Lauren, James E. Meacham, Alethea Y. Steingisser, and Emily Nyholm: “Challenges in Representing Spatiotemporal Wildlife Migration Data” 2014, North American Cartographic Information Society, Pittsburgh, Pennsylvania.

Meacham, James, E., and Alethea Y. Steingisser: "Preliminary Work, Atlas of Wildlife Migration: Wyoming's Ungulates" 2013, North American Cartographic Information Society, Greenville, South Carolina.

Marcus, W. Andrew, James E. Meacham, Ann Rodman, and Alethea Y. Steingisser. "Visualizing Complex Science for a Broad Audience. Creating the Atlas of Yellowstone" Poster Presentation, 2012, Greater Yellowstone in Transition Linking Science and Decision Making, 11th Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Yellowstone National Park, Wyoming.

Kato, Ken, Alethea Steingisser, Jacob Bartruff, Dana Maher, Blake Andrew, Brook Eastman, and Eric Stipe. "Finding Needle in a Haystack with Mobile Apps," Poster Presentation. 2012 ESRI User Conference, San Diego, California.

Steingisser, Alethea Y. "A Comparison of Print and Digital Production Processes for Atlases." Presentation, 2012, Annual Meeting of the North American Cartographic Information Society, Portland, Oregon.

Steingisser, Alethea Y. "Adobe InDesign for Atlas Page Layout and Design", Presentation, 2009, Practical Cartography Day, Annual Meeting of the North American Cartographic Information Society, Sacramento, California.

Steingisser, Alethea Y. "Creating the Atlas of Yellowstone", Presentation, 2008, Annual Meeting of the Association of Pacific Coast Geographers, Fairbanks, Alaska.

Steingisser, Alethea Y. and James E. Meacham "The Mongolian Altai Inventory Project", Poster Presentation, 2007 Annual Meeting of the North American Cartographic Information Society, St. Louis, Missouri.

Steingisser, Alethea Y. "Losing Steam: Human Influences on Geysers in Yellowstone National Park and the World", Presentation, 2007, Association of American Geographers Annual Meeting, San Francisco, California.

Steingisser, Alethea Y. and James E. Meacham "From Glaciers to Geysers: The Creation of the Atlas of Yellowstone", Presentation, 2006 Annual Meeting of the North American Cartographic Information Society, Madison, Wisconsin.

PUBLICATIONS AND CREATIVE ACTIVITY

Abrams, Jesse, Emily Jane Davis, and Katherine Wollstein. *Rangeland Fire Protection Associations in Great Basin Rangelands: A Model for Adaptive Community Relationships with Wildfire?* Human Ecology, October 2017. Online at <https://doi.org/10.1007/s10745-017-9945-y>. (Cartographic designer)

Andrews-Speed, P., et al., 2012. The Global Resource Nexus. Transatlantic Academy, Washington, DC. *Map 5: China Sea, Map 12: Global Resource Supply Vulnerabilities, Map 14: Piracy Incidents around Yemen*. (Cartographic designer)

Benson, Emily. (2018). The long, strange trip of Deer 255. *High Country News*. Aug 20, 2018, 6–7. (Cartographic designer)

Bone, C. "Forest Governance and Climate Change in Driving Native Insect Outbreaks". Grant proposal graphics designed for National Science Foundation's Dynamics of Coupled Natural and Human Systems Program (*awarded*). (Cartographic designer)

Buck, Daniel. *Constructing China's Capitalism: Shanghai and the Nexus of Urban-Rural Industries*. Palgrave Macmillan, 2012. *Fig. 1.1 Map of the Shanghai Region* (Cartographic designer)

Davis, Emily Jane, Jesse Abrams, Katherine Wollstein, James E. Meacham, Alethea Steingisser, and Lee K. Cerveny, *Rangeland Fire Protection Associations: An Alternative Model of Wildfire Response*. Ecosystem Workforce Program, Briefing Paper Number 78, Fall 2017, University of Oregon (in review)

Davis, E.J., Jesse Abrams, Lee Cerveny, James Meacham. *Fire-Adapted Communities on the Range: Alternative Models of Wildfire Response*. Ecosystem Workforce Program, Institute for a Sustainable Environment, University of Oregon. Funded by Joint Fire Science Program 2014-17. (Cartographic designer)

Dueppen, Stephen and Daphne Gallagher. Mapping West African Archeology Sites. Funded mapping effort started 2018. (Cartographic designer and data management)

Oregon Department of Geology and Mineral Industries (DOGAMI), Tsunami Evacuation Maps, 2018. (Cartographic designer)

Edwards, Melodie, Wyoming Public Radio: "Mule deer struggling to surf the green wave of migration." Nov. 20, 2015. (Cartographic designer)

Gavin, Daniel, James E. Meacham, Alethea Steingisser. 2017, Prototype *Atlas of the Olympic Peninsula* (UO CAS Kick-start grant for page development).

Geremia, Chris, Jerod A. Merkle, Mark Hebblewhite, Daniel R. Eacker, and Rick L. Wallen, Matthew J. Kauffman. "Yellowstone- Where Green Waves and Grazing Lawns Meet." Proceedings of the National Academy of Sciences, November 2019. (Cartographic designer)

Gorman, James, New York Times, ScienceTimes: "For Mule Deer, an Incredible 150-Mile Migration", "Tracking a Migration." Feb. 2, 2015. (Cartographic designer for source map)

Jacobson-Tepfer, Esther and James E. Meacham. Gary Tepfer (Photographer). *Archaeology and Landscape in the Mongolian Altai: An Atlas*. ESRI Press 2010 (Cartographic designer and production manager)

Johnson, L., B. Wandera, N. Jensen, R. Banerjee. "Competing expectations in an index-based livestock insurance project" *Revised and resubmitted to Journal of Development Studies*, 2017. (Cartographic designer)

Kauffman, Matthew, James E. Meacham, et al. *Wild Migrations: Atlas of Wyoming's Ungulates*. University of Wyoming. (Lead cartographer and production manager). Oregon State University Press, 2018.

Lang, William L. and James V. Walker. 2016. *Explorers of the Maritime Pacific Northwest*. ABC-CLIO. (Prepared maps and images for publication)

Mazurek, Lindsey. Piazza dei Corporazioni mapping and Esri story map. Funded effort started 2018. (Cartographic designer)

Marcus, Andrew, James E. Meacham, Ann Rodman and Alethea Steingisser "Atlas of Yellowstone Preliminary Work," *Cartographic Perspectives*, Number 57, Spring 2007 (Cartographic designer)

Marcus, Andrew (CAS Dean and project director) "Elements of Diversity in the College of Arts and Sciences, University of Oregon" poster. Showcase Oregon poster session, May 2014. (Cartography and graphic design)

Marcus, Andrew, James E. Meacham, Ann Rodman and Alethea Steingisser. *Atlas of Yellowstone*. University of California Press, 2011 (Cartographic designer and production manager)

Meacham, James, E. (Curator), Alethea Y. Steingisser (Assistant Curator), and W. Andrew Marcus. Atlas of Yellowstone Museum Exhibit. University of Oregon Museum of Natural and Cultural History, 2014

Meacham, James, E., Alethea Y. Steingisser, and Joanna Merson. "Cartography at the University of Oregon InfoGraphics Lab." In 2019 US National Report to the ICA by Aileen R. Buckley, 2019.

Merkle, J. A., Sawyer, H., Monteith, K. L., Dwinnell, S. P., Fralick, G. L. and Kauffman, M. J. "Spatial memory shapes migration and its benefits: evidence from a large herbivore." *Ecology Letters*. doi:[10.1111/ele.13362](https://doi.org/10.1111/ele.13362). 2019

Middleton, Arthur, Joe Riis, and James Prosek (contributed maps and geospatial support) *Invisible Boundaries: Exploring Yellowstone's Great Animal Migrations* Exhibit at National Geographic Society, Washington DC and Buffalo Center of the West, Cody WY, 2016

Middleton, Arthur. Mapping support for ungulate migration research. Aug. 2018-present. (Cartographic designer)

Middleton, A.D., H. Sawyer, J.A. Merkle, M.J. Kauffman, E.K. Cole, S.R. Dewey, J.A. Gude, D.D. Gustine, D.E. McWhirter, K.M. Proffitt, and P.J. White. In press. "Conserving transboundary wildlife migrations: emerging insights from the Greater Yellowstone Ecosystem. *Frontiers in Ecology and the Environment*." (in press, to be published March 2020).

- Murphy, Alec. "China's Global Repositioning: Why Tensions are Rising in the East China Sea and why that Matters." Eurasian Geography and Economics Symposium (*in review*) (Cartographic designer)
- Nurse, Earl, CNN, The Art of Movement. Documentary film: "Technology reveals secrets of majestic big-game migration". Feb. 18, 2015. (Designed maps for film)
- Oregon Watershed Enhancement Board. "A Decade of Improving Habitat Access for Fish". Online interactive map viewer, 2010. http://www.oregon.gov/OWEB/MONITOR/fp_viewer/index.html (Cartographic designer)
- Prazniak, Roxann. "Ilkhanid Buddhism: Traces of a Passage in Eurasian History", *Comparative Studies in Society and History*, July 2014. *Map 1: Mapping Ilkhanid Buddhism* (Cartographic designer)
- Prazniak, Roxann. Sudden Appearances: Visuality and Belief in Mongol Eurasia [book manuscript in review process, University of Hawai'i Press, 2016]. *Mapping Eurasian Artistic Exchange, ca. 1300*. (Cartographic designer)
- Riis, Joe. 2017. *Yellowstone Migrations: Preserving Freedom to Roam*. Mountaineers Books. (Cartographic designer)
- Riis, Joe, Producer and Director of Photography, 2014. Documentary film: "The Red Desert to Hoback Mule Deer Migration", Wyoming Migration Initiative, University of Wyoming, Laramie, WY. Part of National Geographic Short Film Showcase: "A Deer Migration You Have to See to Believe". (Cartographic designer for film maps)
- Riis, Joe, Photo (and Map) Exhibit: "The Red Desert to Hoback Mule Deer Migration" at the National Wildlife Art Museum, Jackson, Wyoming, 2014. Wyoming Migration Initiative. (Cartographic designer)
- Sawyer, H., M. Hayes, B. Rudd, and M. J. Kauffman. 2014. The Red Desert to Hoback Mule Deer Migration Assessment. Wyoming Migration Initiative, University of Wyoming, Laramie, WY. (Production manager)
- Sawyer, H., A.D. Middleton, M.M. Hayes, M.J. Kauffman, and K.L. Monteith. "The extra mile: Ungulate migration distance alters the use of seasonal range and exposure to anthropogenic risk." *Ecosphere*, October 2016, Volume 7(10). *Fig 2: Short (<50 km)-, moderate (50–150 km)-and long (>150 km)-distance migration routes for adult female mule deer originating from a common winter range in western Wyoming, United States*. (Cartographic designer)
- Sawyer, H., Rodgers, P. A. and Hart, T. "Pronghorn and mule deer use of underpasses and overpasses along U.S. Highway 191." *Wildlife Society Bulletin* 40: 211-216. May 2016. doi:[10.1002/wsb.650](https://doi.org/10.1002/wsb.650) (Cartographic designer)
- Steingisser, Alethea Y. and W. Andrew Marcus. "Human Impacts to Geyser Basins" *Yellowstone Science*, Volume 17:1, January 2009. (Author and cartographic designer)
- Steingisser, Alethea Y., Caroline Rose, and Lauren Tierney. *Atlas of Design, Volume 4*. North American Cartographic Information Society, 2018. (Editor)
- Tempest-Williams, Terry, Brook Williams, W. Andrew Marcus, James E. Meacham, et al. *Atlas of Colorado Plateau Preliminary Work*. (Lead cartographer and production manager)
- Tevas, Lani. *Detours: A Decolonial Guide to Hawai'i*. Map of Waikiki included in "Princess Ka'iulani Haunts Waikiki". Duke University Press, in press 2018. (Cartographic designer)
- Walker, Peter. *Sagebrush Collaboration: How Harney County Defeated the Takeover of the Malheur Wildlife Refuge*, Oregon State University Press, 2018. (Cartographic designer)
- Wolf, Juan Eduardo. *Styling Blackness in Chile: Music and Dance in the African Diaspora*. Indiana University Press, 2019. (Cartographic designer)
- Yunker, Jason. *9:43 A Reference Guide: Nine Tribe of Oregon and 43 Residency-by-Aboriginal-Rights Tribes*, University of Oregon, 2016. (Cartographic designer)

SELECTED MAPS/MAP SERIES

Oregon Scenic Bikeways Map Series, 2016-2018, Oregon Parks and Recreation Department. (Cartographic Designer and Production Manager)

McKenzie Cycling Routes, 2014, McKenzie Bridge Chamber of Commerce (Cartographic Designer and Production Manager)

Historic Columbia River Highway Bicycle Map Series, 2013, Oregon Department of Transportation. (Cartographic Designer and Production Manager)

Official Oregon Coastal Bicycle Map, 2010, Oregon Department of Transportation (Cartographic Designer)

AWARDS

2019, Cartography and Geographic Information Society (CaGIS), Annual Map Competition “Best in Show” and "Best Atlas" Awards. Title: *Wild Migrations*.

2019, The Wildlife Society, Wildlife Publication Award for an Edited Book. Title: *Wild Migrations*.

2019, High Plains Book Award Finalist (Winner TBA Oct, 2019). Title: *Wild Migrations*.

2014, Association of American Geographers Mountain Geography Specialty Group, Denali Recent Accomplishment Award. Title: *Atlas of Yellowstone*.

2013 Wyoming State Historical Society, First Place Award in the Publications Reference Category. Title: *Atlas of Yellowstone*.

2012 Association of American Publishers PROSE Award for Excellence in Physical Sciences & Mathematics and also the PROSE Award in the Earth Sciences category. Title: *Atlas of Yellowstone*.

2012 Cartography and Geographic Information Society (CaGIS) 40th Annual Map Competition “Best in Show” Award. Title: *Atlas of Yellowstone*.

2012 ESRI User Conference, Map Gallery Poster Winners, 3rd place for: “Finding a Needle in a Haystack with Mobile Apps,” with Ken Kato, Jacob Bartruff, Dana Maher, Blake Andrew, Brook Eastman, and Eric Stipe.

2010, Cartography and Geographic Information Society 38th Map Design Competition Book/Atlas category Honorable Mention. (*Archaeology and Landscape in the Mongolian Alta: An Atlas*, with Esther Jacobson-Tepfer and Alethea Steingisser).

2010, AAG Globe Book Award for Public Understanding of Geography. Association of American Geographers. (*Archaeology and Landscape in the Mongolian Altai: An Atlas*, with Esther Jacobson-Tepfer)

2006, University of Oregon, Bill Loy Award for Excellence in Cartographic Design and Geographic Visualization.

TRAINING AND WORKSHOPS

Practical Cartography Day 2019, North American Cartographic Information Society, Tacoma, WA
Geography 490, Web Mapping, Fall 2018.

ESRI Massive Online Open Course: Cartography using ArcGIS Pro, August-October 2018.

Practical Cartography Day 2018, North American Cartographic Information Society, Norfolk, Virginia

Practical Cartography Day 2017, North American Cartographic Information Society, Montréal, Quebec

Practical Cartography Day 2016, North American Cartographic Information Society, Colorado Springs, CO

Practical Cartography Day 2015, North American Cartographic Information Society, Minneapolis, MN

Practical Cartography Day 2014, North American Cartographic Information Society, Pittsburgh, PA

Practical Cartography Day 2013, North American Cartographic Information Society, Greenville, SC

Practical Cartography Day 2012, North American Cartographic Information Society, Portland, OR
Practical Cartography Day 2011, North American Cartographic Information Society, Madison, WI
Practical Cartography Day 2009, North American Cartographic Information Society, Sacramento, CA
Practical Cartography Day 2007, North American Cartographic Information Society, St Louis, MO
ESRI User Conference, 2007. San Diego, CA.
Practical Cartography Day 2006, North American Cartographic Information Society, Madison, WI

SERVICE AND INSTRUCTION

University of Oregon, June 2018- present

University of Oregon Senate Committee on Sexual Orientation, Attraction, Gender Identity,
and Expression

University of Oregon, Dec 2019

RJ Hoyman Scholarship Selection Committee (scholarships given to UO students who excel in their contribution to the
lesbian, gay, bisexual, transgender, and queer community)

University of Oregon, Department of Geography, 2019

Charitable Fund Drive Organizer

University of Oregon, June 2016-17

UO Environmental Committee Member

University of Oregon, Department of Geography, 2016-17

Faculty search committee for Web/Mobile Applications Developer position

North American Cartographic Information Society, Editor of *Atlas of Design*, Volume 4. 2016-2018

North American Cartographic Information Society Board of Directors. Oct. 2012-2016.

Positions: 2014-2016, Head of NACIS Awards Committee, Outreach Committee Member

2013-14, Web Committee Member

2012-2014, Judge for Student Web Mapping Competition, Digital Map Competition, and Atlas of Design

North American Cartographic Information Society 2017-2018

Position: Editor of *Atlas of Design Volume 4*

Advanced Cartography Course 493/593 (taught by James Meacham)

Guest lecturer and advisor

C.V. Current as of October Dec., 2019