

Curriculum Vitae
Paul A. Lorah Ph.D.
Department of Geography, University of St. Thomas
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Current Position:

Associate Professor and Chair - Department of Geography and Environmental Studies. University of St. Thomas.
August 1996 - present.

Education:

Indiana University, Bloomington. 1992-1996. Ph.D. Geography.

Dissertation title: *Wilderness, Uneven Development, and Demographic Change in the Rocky Mountain West, 1969-93.*

University of Colorado, Boulder. 1989-1991. Master of Arts, Geography.

Research Interests

*Economic value of wilderness and national parks

*Using GIS to model environmental quality and effectiveness of federal land management policies

Conservation Activities

*Worked with students to write multiple grants resulting in over \$200,000 for conservation projects

*Former member of the Minnesota Nature Conservancy Board of Trustees

*Consultant for groups including the Theodore Roosevelt Conservation Partnership, the Great Plains Restoration Council and the National Fish and Wildlife Foundation

Student Research and Student Grants

*Faculty sponsor for \$25,000+ of student research funding. Young Scholars Grants, McNair Scholar Award, Excel! Grant, Collaborative Inquiry Grants and Community Based Research Scholars awards.

*More than 90 student conference presentations in the past 5 years

[Publications](#)

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[Student Research](#)

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[Consulting](#)

Publications:

2021

Heather Shirey, Todd Lawrence, and Paul Lorah, "Mapping Art, Narrative, and Community in St. Paul, Minnesota" in Tunali, Tijen, ed. *Art and Gentrification in the Changing Neoliberal Landscape*. Routledge, 2021.

2018

*Lorah, Paul, Ready, Alice and Emma Rinn. Using Drones to Generate New Data for Conservation Insights. *International Journal of Geospatial and Environmental Research* 5, no. 2 (2018): 2.

<https://dc.uwm.edu/ijger/vol5/iss2/2/>

2014

*Hoffman, Steven, Lorah, Paul and Janochoski, Joseph. Resisting the Inevitable: Tar Sands, Regionalism and Rhetoric. *European Journal of American Studies*, 9(3). <http://ejas.revues.org/10372>

2011

Rudzitis, Gundars, Marcouiller, Dave and Lorah, Paul. The Rural Rich: The Phenomenon and its Consequences, in David Marcouiller, Mark Lapping and Owen Fursuth, editors, *Rural Housing and the Exurbanization Process*, Burlington, VT: Ashgate Press; 129-157.

2010

Rudzitis, Gundars and Lorah, Paul. The Old versus the New West: Cartographic Representations of Regional Change in the Pacific Northwest, in R.G. Winchell, editor, *Geographical Perspectives of the Inland Northwest*, EWU Press.

2008

Conway, Dennis and Lorah, Paul. Mecanismos de Protecao Ambiental em Pequenos Países Insulares em Desenvolvimento e as Implicacoes de Politicas Ambientais Derivadas de Questoes Escala: Alguns Exemplos do Caribe Oriental. Book chapter in *Geoinformation and Environmental Monitoring in Latin America*. Eds. Mateus Batistella and Emilio Moran. Editora Senac.

Lorah, Paul. Little Fire on the Prairie: Igniting Student's Environmental Awareness. *CAS Spotlight*, Spring 2008, 6-7.

2006

*Ditty, J., Kelley, D., Lorah, P., Steyermark, A., Werner, R. & Zimmer, K. Cross – departmental Implementation of GIS at a Mid-sized Undergraduate University. *CUR Quarterly*, 27(3), 120-124.

Lorah, Paul. Trustafarians and Rastafarians: What mountain towns can learn from the development paths of high-end Caribbean resorts, in Thomas Clarke, Alison Gill and Rudi Hartmann, editors, *Mountain Resort Planning and Development in an Era of Globalization*. New York, Cognizant Communication Corporation.

2004

Lorah, Paul. Mapping Wilderness in the United States. *Necessity: The Magazine of the Great Plains Restoration Council*. Volume 4: Winter/Spring.

2003

*Lorah, Paul, and Southwick, Robert. Environmental Protection, Population Change, and Economic Development in the Rural Western United States. *Population and Environment*, 24(3): 255-272.

*Lorah, Paul. Isolation in the West: From the Lycra Archipelago to the Siberia of Montana Highway Patrol Assignments. *Journal of the West*. 42(2): 76-82.

2000

*Lorah, Paul, Southwick, Robert. *Historical and Economic Performance of Oregon and Western Counties Associated with Roadless and Wilderness Areas*. Published by the World Wildlife Fund and the Oregon Natural Resources Council. Southwick and Associates, Fernandina Beach, Florida.

1999

*Lorah, Paul. Population Growth, Economic Security and Cultural Change in Western Wilderness Counties. In: Cole, David N.; McCool, Stephen F. 2000. *Wilderness Science in a Time of Change*. Proc. RMRS-P-000. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

1998

Lorah, Paul. Tourism in Antigua. Book chapter in *Caribbean Geography: A Reader*. Edited by Carol Newby, David Barker, and Mike Morrissey. Ian Randle Publishers: Kingston, Jamaica.

1997

Lorah, Paul. Divergent paths: The environment and uneven development in the Rural Rocky Mountain West. *Papers and Proceedings of the Applied Geography Conference*. Editor: F. Andrew Schoolmaster. Volume 20, 1997.

Lorah, Paul, and Conway, Dennis. Environmental Protection Mechanisms in Small Island Nations and Policy Implications Derived from Scale Issues: Some Eastern Caribbean Examples. Book chapter in *Environmental Analysis and Policy Making: Bringing Space Science Down to Earth*. Edited by Emilio F. Moran. The Tinker Foundation: New York.

1995

*Lorah, Paul. An unsustainable path: Tourism's vulnerability to environmental decline in Antigua. *Caribbean Geography*, 6(1): 28-39.

Institutional mechanisms for coastal resource management and protection in St. Lucia. (With Dennis Conway and Ed Jackiewicz). EPAT/MUCIA, Supplementary Paper No. 4. Madison, Wisconsin: EPAT/MUCIA.

*Conway, Dennis, and Lorah, Paul. Environmental protection policies in Caribbean small islands: Some St. Lucian examples. *Caribbean Geography*, 6(1): 16-27.

Conway, Dennis, and Lorah, Paul. Cuban and Haitian Diaspora: Forced Migrants in the Caribbean Region 1945-1992. In L. Luciuk and M. Kenzer (eds). *Under Threat: The Refugee Atlas Project*. Center for Refugee Studies, York University and Multicultural History Society of Ontario.

*Refereed Publications

Selected Presentations

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2021

Lawrence, Todd, Paul Lorah and Heather Shirey. *Archiving protest art in theory and in practice: The George Floyd and Anti-Racist Street Art Database*. Presented at FORMA(T): Documenting, Collecting and Archiving Street Art in Theory and Practice, June 2021, Ljubljana, Slovenia.

Paul Lorah, Todd Lawrence, and Heather Shirey. *Mapping Resistance: The Geo-Spatial Dimensions of the George Floyd Uprising in the Twin Cities. Art and the City: Urban Space, Art and Social Change*. Aarhus University, Denmark. April 2021 (Via Zoom).

2020

Landscape of Protest: Demanding Social Justice and Equality Through Ant-Racist Street Art in St. Paul, MN – Plenary presentation with Heather Shirey, Paul Lorah, Tiaryn Daniels, Chioma Uwagwu, and Hannah Shogren-Smith, and Summer Erickson. Urban Creativity User Experience Online Conference Lisbon, Portugal, July 2020 (Via Zoom)

2019

Shirey, Heather, Todd Lawrence, Paul Lorah, Martin Beck, Tiaryn Daniels, Hannah Shogren-Smith, and Chioma Uwagwu. *The urban art, landscapes, and community stories project: Mapping art, narrative, and community in St. Paul, Minnesota*. Rebel Streets: Urban space, art and social movements. Tours, France. May 28 – 29.

2018

Lorah, Paul. *Land cover varies with proximity to Minnesota's roads*. Twenty-eighth Annual MN GIS/LIS Conference. Duluth, MN. October 5.

2016

Kelly, David and Lorah, Paul. *The Use of Drones in an Undergraduate GIS Course to Chronicle Prairie Restoration*. Twenty-sixth Annual MN GIS/LIS Conference. Duluth, MN. October 27.

Sciamanda, M., et al. *Piping Plover Habitat Loss at the Nature Conservancy's John E. Williams Preserve, Central North Dakota: an Interdisciplinary Study of Alkaline Prairie Pothole Glacial Lakes, Groundwater, Gravel Beaches and Vegetation Encroachment*. AGU Fall Meeting Abstracts.

2015

Lorah, Paul. *Creating a Wilderness Continuum to Assess Conservation Effectiveness*. Presented at the Association of American Geographers Annual Meeting. Chicago, IL. April 22.

2013

Lorah, Paul. *Where the wild things are: Mapping habitat quality and federal lands*. Poster presented at the Minnesota GIS/LIS Annual Conference. Rochester, MN. October 10th.

Lorah, Paul. *Accessibility, Isolation and the New American Frontier*. Presented at the West Lakes AAG meeting. Eau Claire, WI. October 18th.

2012

Lorah, Paul. *UST Takes a Nice Ride: Promoting Health, Building Community and Cutting Carbon*. Poster at the Healthy Minnesota: Communities in Action Conference, Bloomington, MN. September 28, 2012.

2011

Lorah, Paul. *Landscapes of Prosperity: Commodities, Amenities and Development in the Rocky Mountain West*. Presented at the Association of American Geographers West Lakes Division Annual Meeting. Chicago, Nov. 12th.

2010

Lorah, Paul. *Using GIS to Prioritize Conservation Purchases*. Presentation to Minnesota Parks and Trails Council Board of Trustees. Feb. 16

2009

Lorah, Paul. *Renewable Energy and Landscape-Scale Change: How Sustainable is Our Pursuit for Sustainable Energy?* Presented at the Association of American Geographers West Lakes Division Annual Meeting. Saint Paul, MN. October 30.

2007

Lorah, Paul. *Locating the Buffalo Commons: Using Spatial Filtering to Site Large-Scale Preserves*. Presented at the Association of American Geographers Joint Annual Meeting of the Great Plains-Rocky Mountain Division and the West Lakes Division. Lincoln, Nebraska. October 6.

Travis, D., Richards, R., & Lorah, P. (2007). *Recent Changes in the Spatial Characteristics of U.S. Temperature Abnormalities: An Indicator of Rapid Global Warming?* Presented at the Annual Meeting of the Association of American Geographers. San Francisco, April 20.

2004

Lorah, Paul. *Locating the Buffalo Commons: Using GIS to Site Large-Scale Nature Preserves*. Presented at the West Lakes AAG Conference, Oshkosh, Wisconsin. Oct. 8th.

Lorah, Paul. *The Potential Effects of Climate Change on Nature Conservancy Preserves*. Presented to the Minnesota Nature Conservancy Board of Trustees, Cedar Creek Nature Preserve, Oct. 25th.

2002

Lorah, Paul. *Environmental Amenities, the New West and Growth in Rocky Mountain Resorts*. Presented at the Mountain Resort Planning & Development Conference, Steamboat Springs, September 26th.

2001

Lorah, Paul. *Mapping the New West*. Presented at the annual meeting of the Association of American Geographers, New York City. March 2nd.

2000

Lorah, Paul. *Using GIS to Link the Diffusion of Amenity Economies and the Presence of Wilderness* Presented at the annual meeting of the Minnesota Academy of Sciences, University of St. Thomas. April 15.

1999

Lorah, Paul. *Growth, Economic Security and Cultural Change in Wilderness Counties*. Presented at the Wilderness Science in a Time of Change conference, Missoula, Montana, May 1999.

1998

Lorah, Paul. *Trustafarians and Rastafarians: Implications of Cultural Change in Aspen for Caribbean Development Strategies*. Presented at the Caribbean Studies Association Annual Meeting, St. Johns, Antigua, May 26-30.

1997

Lorah, Paul. *Divergent Paths: The Environment and Uneven Development in the Rural Rocky Mountain West*. Presented at the 20th Annual Applied Geography Conference, Albuquerque, NM. November 12.

Lorah, Paul. *Economic Security, Environmental Quality, and Cultural Change in the Rocky Mountain West, 1969-94*. Presented at the 93rd Annual Meeting of the Association of American Geographers, Fort Worth, Texas. April 4.

1996

Lorah, Paul. *Wilderness and Uneven Development in Rural Counties of the Rocky Mountain West, 1969-93*. Presented at the 92nd Annual Meeting of the Association of American Geographers, Charlotte, North Carolina. April 9-13.

1995

Lorah, Paul. *Demographic Responses to Unsustainable Development in the Eastern Caribbean*. Presented at the 91st Annual Meeting of the Association of American Geographers, Chicago, March 14-18.

Lorah, Paul and Conway, Dennis. *Coordinating Community Participation in Coastal Conservation: Lessons from the Eastern Caribbean*. The Annual Congress of the Latin American Studies Association, Washington, D.C., September 28-30.

Lorah, Paul. *Understanding the Caribbean: Legacies of Colonialism and Environmental Degradation*. Presented at the Indiana Humanities Council Conference on Internationalizing the Curriculum: The World in US, Indianapolis, December 7.

1994

Lorah, Paul. *Legacies of Environmental degradation and Political Mismanagement: Antigua's Unsustainable Path*. Presented at the 90th Annual Meeting Of the Association of American Geographers, San Francisco, March 29-April 2.

Lorah, Paul. *Can Environmental Protection Policies be Implemented in Caribbean Small Islands? Examining the Saint Lucia Experience*. (with Dennis Conway) Presented at the 90th Annual Meeting Of the Association of American Geographers, San Francisco, March 28-30.

1993

Lorah, Paul. *Environmental Refugees: A Debatable Issue*. Presented at the 89th Annual Meeting of the Association of American Geographers, Atlanta, April 12-17.

1990

Lorah, Paul. *A Multi-Regional Demographic Assessment of Rural Outmigration on Age Structure and Traditional Cultures in Developing Countries*. Presented at the Association of American Geographers Regional Meeting, Kearney, Nebraska, November.

Lorah, Bill and Paul Lorah. *The Impact of Large-Scale Irrigation on Cultural Development and Environmental Change in Pre-Colombian Peru*. Presented at the Annual Meeting of the American Water Works Association, Cincinnati, June.

Presentations by Students

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2021

Xavier Abdullahi. (2021). *Forest Protection Priorities by Predicted Urban Change in the Twin Cities*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Nate Bennett. (2021). *Mapping Patterns of Change in the Twin Cities Urban Tree Canopy*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Tyler Bergquist. (2021). *Identifying Conservation Mismatches in the United States and Recommending Climate Resilient Areas for Restoration*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Ashley Giossi. (2021). *The Metro Makes Money: How Light-Rails Impact Investments in the Twin Cities, MN*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Lydia Godfrey. *Climate Resilient Sites without Invasive Species in Southeastern Minnesota for Conservation*. (2021). Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Elaina Granse. (2021). *Nature Strongholds: Finding places in Minnesota that are resilient and good choices for conservation*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Sarah Greene. (2021). *Analyzing the Relationships Between Population Change, Road Density, and Forest Cover Change in Minnesota*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Olivia Jascor. *Secure Climate Strongholds in Minnesota*. (2021). Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Samuel Kelcher. (2021). *Future Conservation of Indigenous Food Systems through Climate Strongholds*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Stian Kvaal. (2021). *Planting Trees to Protect Minnesota's Resilient Trout Streams: Targeting Climate Resilient Areas for Restoration to Enhance Trout Habitat in Minnesota*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Justin Lalor. (2021). *Housing Displacement: The Relationship Between Canopy Cover and Construction*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Matthew Larson. (2021). *Minnesota Agriculture and Environmental Pollutants*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Jonathan Mortensen. *Analyzing Changes in Development on Forest Canopy Cover in Minnesota's 7- County Metropolitan Area: 1978 – 2016*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Emily Rash. (2021). *Identifying Climate Resilient Corridors to Connect Native Prairie Sites in Minnesota*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Rachel Schauer. (2021). *Access to Parks in the Twin Cities Metropolitan Area*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Rachel Schauer. (2021). *Land Ownership and Forest Cover Change in Lake County, Minnesota, 1973-2018*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Morgan Schreck. (2021). *Climate Strongholds for MN Moose*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Jacob Slaughter. (2021). *Drivers of Minnesota Wetland Loss*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Marcus Wahlert. (2021). *Ease of Access: Distance from Hospitals and the Impact of COVID-19 in Minnesota*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24,

2021.

Emily Weiss. (2021). *Targeting Vulnerable Schools in Minnesota to Propose Environmental Education Programs*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

Jacob Zuzek. (2021). *COVID and Crime*. Midwest Undergraduate Geography Symposium. [Virtual conference](#) hosted by Macalester College - April 24, 2021.

2019 Spring

Gruman, Chloe. (2019). Place for bees: Mapping habitat for pollinators. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Heier, Rachael and Skull, Jenna. (2019). *Using foraging and nesting needs of the Rusty-Patched Bumblebee to design urban pollinator gardens in St. Paul, Minnesota*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Hood, Natasha, Johnson, Gabrielle and Larson, Matthew. (2019). *Designing a series of pollinator gardens to enhance bees' resilience by connecting islands of habitat*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Koch, James and Weiss, Emily. (2019). *Using GIS to model connections between kids and greenspaces in Saint Paul*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Kuehn, Karleen and Thielen, Grayson. (2019). *Bees, ecosystem services, land cover change, and the need to support urban pollinators*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Miller, Andrew, Ruikka, Evan and Wallace, Hannah. (2019). *Designing green spaces in St Paul to support urban bee populations, reduce urban flooding and heat islands, and promote public health*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Schimnowski, Emma and Slaughter, Jacob. (2019). *Using lessons from the University of St. Thomas' pollinator path and insights from bee ecology to inform urban garden planning in St. Paul*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

Smith, Emma and Timm, Mary. (2019). *Addressing nature deficit disorder with pollinator gardens in Saint Paul, Minnesota*. Midwest Undergraduate Geography Symposium. University of Wisconsin- Madison, April 27.

2018 Fall

DeSerto, Vinny (2018). *Living longer with a growing creative class in the United States* (Poster). (2018). Minnesota GIS/LIS Consortium Twenty-Eighth Annual Conference. Duluth, MN. October 4-5.

Ready, Alice. (2018). *Analyzing patterns of controlled burns using UAVs*. Minnesota GIS/LIS Consortium Twenty-Eighth Annual Conference. Duluth, MN. October 4-5.

Ready, Alice. (2018). *Drones, Landscape and Archaeology* (Poster). Minnesota GIS/LIS Consortium Twenty-Eighth Annual Conference. Duluth, MN. October 4-5.

Rinn, Emma. (2018). *Assessing the relative quality of data collected by UAVs to generate optimal flight parameters and study areas for conservation analysis* (Poster). Minnesota GIS/LIS Consortium Twenty-Eighth Annual Conference. Duluth, MN. October 4-5.

Yeboah, Mary. (2018). *Average life expectancy predicted by race within urban areas* (Poster). Minnesota GIS/LIS Consortium Twenty-Eighth Annual Conference. Duluth, MN. October 4-5.

2018 Spring

- Beck, Joseph. (2018). Quantifying conservation effectiveness at the landscape scale. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Beck, Joseph. (2018). Urban environments and green space in the Twin Cities. Poster. Minnesota Environmental Health Association Winter Education Conference. University of Minnesota, Saint Paul, January 25, 2018.
- Benning, Joey. (2018). Analyzing western economic development: Protection vs. excavation. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Clarke, Josiah. (2018). Protection and landscape change on public lands. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Deppa, Megan. (2018). Relationships between obesity and proximity to recreation on protected lands. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- DeSerto, Vinny. (2018). A history of protected lands in the United States. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Edgerton, Sam. (2018). Protection and politics: How voting patterns affect America's public lands. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Hietpas, Paige. (2018). Is the presence of protected public lands associated with lower diabetes rates? Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Hudrlik, Brooke. (2018). Relationships between protected lands, road networks, and air quality in the United States. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Lepasepp, Megan. (2018). New marine monuments and old political conflicts. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Munz, Carleigh. (2018). United States landscapes and island biogeography: Planning for protection. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Ndiaye, Albury. (2018). Anti-environmentalism in state government: A Bear Ears case study. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Polk, Spencer (2018). Military protection: Bases, biodiversity and conservation mismatch. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Roucka, Olivia. (2018). Pavement, protection and public lands. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Roucka, Olivia. (2018). Examining rural and urban poverty to understand patterns of diabetes in America. Poster. Minnesota Environmental Health Association Winter Education Conference. University of Minnesota, Saint Paul, January 25, 2018
- Sundberg, Eric. (2018). Debating the protection of public lands. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Sweeney, Emily. (2018). The evolution of the Antiquities Act: do preserves protect? Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.
- Taylor, Ana. (2018). The Antiquities Act then and now. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.

Wilson, Ben. (2018). Connecting fragmented natural areas. Midwest Undergraduate Geography Symposium. University of Wisconsin- River Falls, April 21.

2017 Fall

Rinn, Emma. (2017). Identifying food deserts for the aging and elderly in the Twin Cities. Minnesota GIS/LIS Consortium Twenty-Seventh Annual Conference. Bemidji, MN. October 4.

2017 Spring

Brundrett, Ashley. (2017). Quality and ecological connectivity of U.S. protected and unprotected Lands (Poster). Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Cretton, Taylor. (2017). Utilizing similarity search on Kane County, Utah to analyze the impact of Grand Staircase - Escalante National Monument. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Clubb, Casi. (2017). Ecological representation in protected lands: Bear Ears National Monument. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Host, Evan. (2017). Benefits of hybrid ecosystems and a proposal of where in the contiguous United States to focus efforts for hybrid ecosystem conservation. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Kruchoski, Kennedy. (2017). Studying the economic impact of national monuments (Poster). Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Lifke, Brandon. (2017). Connectivity for grizzlies in and around Yellowstone National Park (Poster). Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Lipps, Hannah. (2017). Ecosystem representation in the U.S. Protected Lands System. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Linke, Benjamin. (2017). Island biogeography: Ensuring habitat protection and species survival (poster). Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Loveall, Lucas. (2017). Analyzing the Anthropocene (Poster). Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

McFarlin, Megan. The monumental debate. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Nasser, Alex and Wrede, Thomas. (2017). Planning for conservation corridors: Best practices using linkage mapper in Minnesota. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Paulson, Brandon. (2017). Modelling Minnesota's wilderness continuum. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Rinn, Emma. The economic transformation of rural counties near national parks. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Stiffler, Adam. (2017). Analyzing the Sagebrush Rebellion. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Theis, Emma and Ready, Alice. (2017). Old West vs. New West: Analyzing ecosystem and economic services. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

Thompson, Tori and Howe, Sarah. Remnant prairies provide greater connectivity for bee habitat in Western Minnesota. Midwest Undergraduate Geography Symposium. University of Saint Thomas. April 29.

2016 Fall

Jacob Pauna. *How viable is habitat restoration within the Great Plains?*
Twenty-Sixth MN GIS/LIS Annual Conference. Duluth MN. October 27.

2016 Spring

Abrahamson, Jenna, Allen, Elliott and Zimmerman, Darian. (2016). *Nature's Strongholds: Conservation in the Face of Climate Change*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Abrahamson, Jenna, Allen, Elliott, Sabota, Jesse, and Zimmerman, Darian. (2016). *Assessing potential impacts of energy sprawl on Minnesota landscapes due to ethanol*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Bettin, Nathaniel. (2016). *Modeling Landscape Suitability and Connectivity to Promote Bison Conservation on Native American Tribal Lands*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Carroll, Emily. (2016). *Adolescence, Rehabilitation and the Buffalo Commons*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Cleveland, Silas and Wright, Jacob. (2016). *A Guide to Understanding Minnesota's Community Solar Garden Legislation*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Eickhoff, Courtney, Helland, Chad, Holmes, Peter and Pauna, Jacob. (2016). *Analysis of hybrid energy landscapes: combining solar pollinating gardens in Minnesota*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Hermann, Michael. (2016). *Federal lands, conservation effectiveness and economic viability in the Great Plains*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

John, Benjamin. (2016). *Rediscovering and refining the Popper's Buffalo Commons proposal*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Kellner, Jack, Van Pelt, Sophie, Sather, Aaron, Sciamanda, Marianne, and Spangenberg, Claire. (2016). *Minimizing sprawl, maximizing generation: Minnesota's wind energy futures*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

King, Anthony. (2016). *Rewilding buffalo highways through the Great Plains*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Kruger, Greg. (2016). *Where is the most economically viable location for rewilding bison habitat in the Great Plains?* Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Moreno-Hernandez, Giovanni . *Rewilding land for bison in the United States*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Lally, Karen. (2016). *Promoting Conservation: the InterTribal Bison Cooperative, Restoration and Development*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Misey, Rose. (2016). *Exploring National and Local Relationships between Obesity and Education*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Murphy Sinsky, Murphy. (2016). *How Fracking has changed the Buffalo Commons landscape*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Pauna, Jacob. (2016). *How viable is habitat restoration in the Great Plains?* Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

Woodard, Caitlin. (2016). *Where the Buffalo Roamed: Using historical relationships to foresee the effect of the Buffalo Commons on Native American Populations*. Midwestern Undergraduate Geography Symposium. Macalester College. April 23rd.

2015 Spring

Bettin, Nathaniel. (2015). *Assessing Minnesota's Wind Power Potential*. Midwestern Undergraduate Geography Symposium. Gustavus Adolphus College, MN. April 18.

Button, Emma, Woodard, Caitlin, and Vierling, Brooke. (2015). *Vulnerability, isolation and the urban heat island: Using GIS to assess potential health impacts of climate change*. Presented at the Association of American Geographers Annual Meeting. Chicago, IL. April 22.

Grow, Ryan and Sathe, Eric. (2015). *Using GIS to optimize energy landscapes: Siting solar and wind to conserve pollinators*. Midwestern Undergraduate Geography Symposium. Gustavus Adolphus College, MN. April 18.

Lauzon, Megan. (2015). *Analyzing a square kilometer of hybrid energy landscape in Minnesota*. Midwestern Undergraduate Geography Symposium. Gustavus Adolphus College, MN. April 18.

Merry, Ryan. (2015). *Supplying renewable energy for electric vehicles through rooftop solar in Minnesota*. Midwestern Undergraduate Geography Symposium. Gustavus Adolphus College, MN. April 18.

Pastika, Dan. (2015). *Low input high diversity biofuel and the conservation of grassland bird species habitat*. Midwestern Undergraduate Geography Symposium. Gustavus Adolphus College, MN. April 18.

Schlundt, Tommy. (2015). *Analyzing the relationship between developed lands, solar energy and public transportation needs in Minnesota*. Midwestern Undergraduate Geography Symposium. Gustavus Adolphus College, MN. April 18.

2014 Spring

Dire, Fartun. (2014). *Health has no boundaries: An examination of geographic contributions to health*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Dire, Fartun and Friebe, Joel. (2014). *Forest transition in El Salvador: An example of Tobler's first law of geography?* Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Engen, Emily and Hare, Riley. (2014). *Global deforestation? A wave of regrowth amidst tension in El Salvador*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Friebe, Joel. *Economic geography and central place theory*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Le, Hung and Synstegaard, Byron. (2014). *Anthropogenic factors associated with reforestation in El Salvador*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Lor, Tu. *The development of transportation geography*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Mazza, Simon and Hulbert, Benn. *Global deforestation, local reforestation: Forest transition theory in El Salvador*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Mohanty, Rani and Welter, Dylan. (2014). *How is El Salvador's environment affecting reforestation?* (2014). Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Mohlin, Joey. (2014). *The perception of Geography*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Monroe, Cari and Brundrett, Chelsea. (2014). *Environmental factors associated with forest growth in El Salvador*. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Ronnei, Nicholas. (2014). The importance of transnational space: Contextualizing the local within the global. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Strain, Sarah. (2014). This town is big enough for both of us: Forest health, urban areas and population in El Salvador. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

Sweet, Rachel. (2014). Protected lands and forest health in El Salvador. Midwestern Undergraduate Geography Symposium. Saint Paul, MN. April 26.

2013 Fall

Jorgensen, Emily. (2013). The Best Places to live: Discovering the urban villages of the Twin Cities. West Lakes AAG meeting. Eau Claire, WI. October 18th. Second place student presentation winner.

Jorgensen, Emily. (2013). Urban villages and equity. Minnesota GIS/LIS Annual Conference. Rochester, MN. October 10th.

Schaps, Mitchell. (2013). UST takes a Nice Ride: Linking amenities to activity space. Minnesota GIS/LIS Annual Conference. Rochester, MN. October 10th. First place student

Schaps, Mitchell and Ronei, Nicholas. (2013). Activity Space to Third Space: An Analysis of UST Nice Ride Use. West Lakes AAG meeting. Eau Claire, WI. October 18th.

2013 Spring

Bjoeness, Frederik. (2013). *Neighborhood Quality in a Global Context*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Burke, Ryan and Tincher, Thomas. (2013). *Alternative Transportation Clusters in the Seven-County Metropolitan Area, Minnesota, 2013*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Dirie, Fartun. (2013). *Mental Maps: Gaining Insight into the Diverse Somali Perceptions of Residential Desirability in the Twin Cities*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Dire, Fartun. (2013). *Measuring Quality of Life in the Twin Cities: Third Space and Traditional Neighborhood Institutions*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Miller, Chad. (2013). *Where Should I Live? Analyzing Neighborhood Quality of Life in the Twin Cities*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Ronnei, Nicholas. (2013). *Mapping Insolation in Minnesota: The New Sunshine State*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Schaps, Mitchell. (2013). *Wind Power Potential in Minnesota*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

Kidd, Jay and Jorgensen, Emily. (2013). *Analyzing Changing Patterns of Carbon Sequestration in Scott County, 1992-2006*. Midwestern Undergraduate Geography Symposium. Macalester College, Saint Paul, MN. April 27.

2012

Boie, A. (2012). *German Geopolitik: The evolution and application of geopolitical theory in Europe before 1945*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

Dire, Fartun. (2012). *Mental Maps: Gaining Insight Into the Diverse Somali Perceptions of Residential Desirability in the Twin Cities*. Minnesota GIS/LIS Consortium annual conference. St. Cloud, MN. Oct. 3. First

Place Undergraduate presentation and winner of \$1,000 scholarship.

Gebauer, P. (2012). *Geography in Education: The role of technology in K-8 classrooms*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

Grundtner, L. (2012). *Crime and Place: The historical development of geographic criminology*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

Kidd, J. (2012). *Medical geography: Spatial perspectives on HIV/AIDS*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

Lee, C. (2012). *The use of geographic information system applications in the field of public health*. Undergraduate Research Symposium 2012: Sustainable Urban Communities Redux. Saint Catherine University. March 8.

L'Heureux, A. (2012). *A history of geographic perspectives on the relationship between Humans and the Environment: From environmental determinism to humanistic approaches*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

L'Heureux, Annie. (2012). *Using GIS to determine the correlation between urban villages and property value growth in the Twin Cities*. Inquiry at UST, Saint Paul, MN. September 25.

Mueller, J. (2012). *Geographic perspectives on Detroit: How geographers study place*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

Rech, J. (2012). *Examining the use and application of Geographic Information Systems in natural hazards management*. Midwestern Undergraduate Geography Symposium. University of Saint Thomas, Saint Paul, MN. April 28.

Rech, Julie. (2012). *Great River Greening: Managing Environmental Data and Evaluating Restored Landscapes*. Inquiry at UST, Saint Paul, MN. September 25.

2011

Yannarely, N.; Rech, J. (2011). *Discovering the Buffalo Commons: Using GIS to target optimal lands in the Great Plains for large scale restoration*. Association of American Geographers West Lakes Division Annual Conference. DePaul University, Chicago. November 10-12.

L'Heureux, A.; Rech, J. (2011). *Landcover change in Puerto Rico: Using GIS to discover the underlying processes of forest recovery*. Association of American Geographers West Lakes Division Annual Conference. DePaul University, Chicago. November 10-12.

Lee, C. (2011). *Health accessibility in the Twin Cities metropolitan area Hmong community*. Association of American Geographers West Lakes Division Annual Conference. DePaul University, Chicago. November 10-12.

2010

Meyer, Regan. *Identifying Optimal Locations for Siting Concentrating Solar Power Stations*. Poster presented at the 2010 Midwest Undergraduate Geography Symposium, University of Saint Thomas. May 11th.

Schmelling, Amy and Huset. *Minnesota Prairie Restoration with the Nature Conservancy*. Poster presented at the 2010 Midwest Undergraduate Geography Symposium, University of Saint Thomas. May 11th.

2009

Huset, Renee. *Aboveground Carbon Potential in Deforested Minnesota Lands*. Presented at the Association of American Geographers West Lakes Division Annual Meeting. Macalester College. October 30.

Huset, Renee, *Using Geographic Information Systems to Identify Degraded Forestland for UST Carbon Offset*

Projects. Presented at the 2009 Midwest Undergraduate Geography Symposium, University of Saint Thomas. April 18th.

Kreutzer, Michael and Hirsch, Zach. *Food Deserts in the Twin Cities: Geographic Theory and GIS*. Presented at the 2009 Midwest Undergraduate Geography Symposium, University of Saint Thomas. April 18th.

Roberts, Nathalia. *The Relationship Between Income Sorting and Urban Villages in the Twin Cities*. Presented at the 2009 Midwest Undergraduate Geography Symposium, University of Saint Thomas. April 18th.

Westman, Jack. *The 2008 Presidential Election and the Creative Class*. Presented at the 2009 Midwest Undergraduate Geography Symposium, University of Saint Thomas. April 18th.

Wilke, Kaelyn. *Analysis of Urban Structure in Minnesota's Twin Cities: Accessibility and Land Use*. Presented at the 2009 Midwest Undergraduate Geography Symposium, University of Saint Thomas. April 18th.

2008

Roberts, Nathalia. *Population Distribution and the Creative Class in the Rural West*. Poster presented at the 2008 Midwest Undergraduate Geography Symposium, Gustavus Adolphus College. April 26th.

Rominski, Stacie and Stewart, Allison. *Ideal Locations for Environmentally Friendly Recreational Expansion in Itasca County, MN*. Poster presented at the 2008 Midwest Undergraduate Geography Symposium, Gustavus Adolphus College. April 26th.

Krause, Abigail and O'Donnell, Scott. *The Most Valuable Habitat for White-Tailed Deer During the Winter Months in Itasca County, MN*. Presented at the 2008 Midwest Undergraduate Geography Symposium, Gustavus Adolphus College. April 26th.

2007

Langsev, E., & Pearson, C. (2007). *Demographic Stress on the Frontier*. Poster presented at the Association of American Geographers Joint Annual Meeting of the Great Plains-Rocky Mountain Division and the West Lakes Division. Lincoln, Nebraska. October 6.

2006

Bagley, J., & Bagley, T. *Locating large scale nature reserves in the Great Plains*. Presented at the Second Annual Midwestern Undergraduate Research Symposium, St. Paul, Minnesota. April.

Dieken, A., Moen, J., & Redman, J. *Quantifying the impact of farm subsidies on agricultural profitability in the Great Plains*. Presented at the Second Annual Midwestern Undergraduate Research Symposium, St. Paul, Minnesota. April.

Duffey, B., Perron, A., & Stromberg, Kaleb. *Quantifying the impact of environment quality on patterns of per capita income*. Presented at the Second Annual Midwestern Undergraduate Research Symposium, St. Paul, Minnesota. April.

Ekart, K., Gruenke, G., & Van Auken, H. *Reassessing Von Thunen: Friction of distance and commodity prices*. Presented at the Second Annual Midwestern Undergraduate Research Symposium, St. Paul, Minnesota. April.

Hirsch, Z., & Hoffman, K. *Creating the Commons: Environmental quality, economic security, demographic decline and the future of the Great Plains*. Presented at the Second Annual Midwestern Undergraduate Research Symposium, St. Paul, Minnesota. April.

Langsev, Eric and Pearson, Collin. *Demographic Stress of the Frontier*. Presented at the Association of American Geographers Joint Annual Meeting of the Great Plains-Rocky Mountain Division and the West Lakes Division. Lincoln, Nebraska. October 6.

2005

Sandford, K. (2005, October). *Environmental Amenities and Residential Property Values in Ramsey County, 2004*. Paper presented at the 15th Annual Minnesota GIS/LIS Conference, Saint Cloud, Minnesota

2004

Andrew Moore, *The relationship between environmental quality and population change in the United States, 1990-2000*. Presented at the First Annual Undergraduate Midwestern Geography Symposium, Macalester College. May 2nd.

Kristen Lee, *Evaluating the locations of Red Cross shelters in the Twin Cities using GIS*. Presented at the West Lakes AAG Conference, Oshkosh, Wisconsin. Oct. 8th.

Andrew Moore, *Using GIS to Examine the Relationship Between Environmental Amenities and Population Growth*. Presented at the West Lakes AAG Conference, Oshkosh, Wisconsin. Oct. 8th.

George Hart. *Environmental Change, Population Growth and Economic Security in U.S. Counties*. Paper presented at the National Conference on Undergraduate Research, April 15th – 17th, IUPUI, Indianapolis, IN.

Peter Rieke. *Economic Decline and Environmental Quality in the Great Plains: Assessing the Viability of the Buffalo Commons*. Paper presented at the National Conference on Undergraduate Research, April 15th – 17th, IUPUI, Indianapolis, IN.

2002

Chee Vang. *Frogtown: Determinants of Housing Value Change in a Diverse Urban Neighborhood*. Paper presented at the National Conference on Undergraduate Research, April 25th – 27th, University of Wisconsin, Whitewater.

Nathan Aamot. *Quantifying the Factors Behind the Diffusion of Eurasian Watermilfoil in Minnesota Using GIS*. Paper presented at the National Conference on Undergraduate Research, April 25th – 27th, University of Wisconsin, Whitewater.

Grants/Grants with Students

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2019-2020

Center for the Arts and Humanities for the Common Good, University of St. Thomas, “Urban Art, Landscape, and Saint Paul Community Stories,” an interdisciplinary project with co-investigators Todd Lawrence (English) and Paul Lorah (Geography), 2018-19.

2018

Alice Ready: Sustainability Scholars Grant. *Analyzing spatial patterns of controlled burns using UAVs*. \$4,000.

2017

Alice Ready: Sustainability Scholars Grant. *Modeling land use and land cover changes with remotely sensed data to assess conservation effectiveness*. \$4,000.

Emma Rinn: Sustainability Scholars Grant. *Assessing relative quality of data collected by UAV's to generate optimal flight parameters and study areas for conservation analysis*. \$4,000.

2014

Awarded \$49,000 Campus Sustainability Grant. *Solar, Sustainability and the University of Saint Thomas*. Written with Conservation Geography Students.

Awarded \$6,000 UST Beverage Committee Grant. Vertical Garden for the Geography Lab.

Mitchell Schaps: Collaborative Inquiry Grant – *Modeling and Marketing UST Activity Space* - \$1,500

2012

Awarded \$3,000 UST Beverage Committee Grant. Conservation Drone Imaging System.

Conservation Geography students. *UST Takes a Nice Ride: Promoting Health, Building Community and Cutting Carbon*. \$20,000.

Annie L'Heureux: Young Scholars Grant - *Alternative Development: Using GIS to Determine the Correlation Between Urban Villages and Property Value Growth in the Twin Cities*. \$4,000.

Julie Rech: Community Based Research Scholarship Award. Partnering with the Great River Greening. \$4,000.

Fartun Dire: McNair Scholar Award. *Examining Settlement Patterns of the Somali Population through the Use of Mental Maps*. \$4,000.

2011

Awarded \$15,000 Campus Sustainability Grant. *Student Restoration of Oak Forest: Analyzing Carbon Storage in a Recovering Landscape*. Written with Simon Emms, Tim Lewis and Theresa Wondra.

Chia Lee: McNair Scholar Award. *Health Care Accessibility for the Twin Cities Hmong Community*.

2010

Awarded \$3,500 for purchase of smart power strips for dorm rooms in Brady Hall. UST Beverage Committee Grant written with Environmental Studies students

Faculty advisor on a \$4,000 Community Based Research Grant. Partnering with the Parks and Trails Council of Minnesota.

2009

Awarded \$15,000 for the installation of the first solar panels on campus. UST Beverage Committee Grant written with Environmental Studies students.

One of my students, Renee Huset, was awarded a \$4,000 **Young Scholars Grant** for our project: *Using Geographic Information Systems to Understand Minnesota's Carbon Landscape*. She was also awarded a \$1,500 **Collaborative Inquiry Grant** for our project: *Targeting Degraded Forestlands for Carbon Offset Projects*.

2006

GIS and Conservation Biology. Faculty partnership with Kyle Zimmer and Tony Styermark. Funded: \$1,000

2004

GIS faculty partnership with Ellen Kennedy and Mike Klein. Funded \$1,000.

2002

Satellites, GIS and the Hunt for Invasives: Helping Students Locate, Track and Eliminate European Buckthorn Along the Mississippi River. Bush Foundation. Funded: \$1,500.

Reading the Cultural Landscape. Faculty Partnership with Bernard Armada. Funded: \$1,000.

1998

GIS Applications for the Biological Sciences. Faculty partnership with Simon Emms. Funded: \$1,000.

CO-PI. *Beyond Mapping and Reporting: Improving Students' Skills in Science and Analysis for Geography, Environmental Studies, and Ecology*. National Science Foundation. Funded: \$84,400.

1997

Revision of the Geography Major, Curriculum Review and Implementation Task Force Funded: \$1,000. (With Robert Werner).

Computerizing the Environmental Studies Curriculum, Curriculum Review and Implementation Task Force Funded: \$2,150. (With Robert Werner).

1993

Resource Depletion, Agricultural Decline, and Migration in Antigua, Ford Foundation and the Indiana Center on Global Change and World Peace Funded: \$1,730.

Consulting Projects

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2012

Lorah, P.; Southwick, R.; Allen, T. (2012). *Conserving Lands and Prosperity: Seeking a Proper Balance Between Conservation and Development in the Rocky Mountain West*. Consulting project conducted for the Theodore Roosevelt Conservation Partnership. [Link to factsheet and full report.](#)

2004

Mapping the Contemporary Frontier. Research conducted for U.S. Department of Health and Human Services and the Frontier Education Center.

2003 -2004

Site Location Analysis for the Million Acre Preserve. Research conducted for the Great Plains Restoration Council.

2000

Historical and Economic Performance of Oregon and Western Counties Associated with Roadless and Wilderness Areas. Research conducted for the World Wildlife Foundation and Southwick Associates, Fernanda Beach, Florida.

Courses Taught

University of St. Thomas: August 1996 - present

ENVR 151 *Humans and the Environment*.

GEOG 250 *Geography of Global Health*

GEOG 222 *Geographical Analysis (an applied GIS course)*

GEOG 321 *Conservation Geography*

GEOG 496 *Sustainable Development*

GEOG 111 *Human Geography*

GEOG 480 *Seminar in Geography*

GEOG 340 *Geography of North America*

GEOG 498 *Afghanistan in Geographical Context*

GEOG 298 *Latin America*.

Global Issues -- Center for Senior Citizens' Education

Geographic Perspectives on Global Challenges -- Center for Senior Citizens' Education

Current and Past Service:

Chair, Department of Geography

Chair, Department of Justice and Peace Studies

Environmental Studies Governance Committee

Human Diversity Review Committee

Service Learning Committee and Advisory Board

American Cultural Studies Governance Board

Justice and Peace Studies Advisory Committee

University Senate

International Programs Advisory Committee

NCA Self Study Committee

UST Sustainability Committee

Chair, Energy Committee – UST Sustainability sub-committee

Professional Affiliations:

*Association of American Geographers

*Society for Conservation Biology

*American Association for the Advancement of Science