

Dr. Jason Paul Julian
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Dept of Geography & Environmental Studies
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Professional Positions

Professor, Texas State University. (2018 - Present).
Associate Professor, Texas State University. (2013 - 2018).
Assistant Professor, University of Oklahoma. (2009 - 2013).
Assistant Research Scientist, Univ. of MD Center for Env. Sci. (2007 - 2008).

Education

PHD, Univ North Carolina - Chapel Hill, 2007.
Major: Geography
MS, Univ of South Carolina Columbia, 2004.
Major: Geology
BS, Univ of South Carolina Columbia, 2001.
Major: Geography

Professional Memberships

International Association for Landscape Ecology. (2013 - Present).
American Association of Geographers. (2007 - Present).
Society for Freshwater Science. (2006 - Present).
American Geophysical Union. (2004 - Present).

Awards and Honors

Outstanding Leadership Award, Department of Geography and Environmental Studies. (January 2021 - April 2022).
Alumni Association Teaching Award of Honor, Texas State University. (January 1, 2020 - December 31, 2020).
International Visiting Scholar, Vilnius University. (August 2019 - September 2019).
Outstanding Service Award, Department of Geography, Texas State University. (2017 - 2018).
Alpha Chi Favorite Professor, Texas State University. (2016).
Achievement Award for Excellence in Scholarly / Creative Activity, College of Liberal Arts, Texas State University. (2015).
Dean's Award for Excellence in Grant Funding, College of Liberal Arts, Texas State University. (2015).
Early Career Award, NASA New Investigator Program in Earth Science. (2013).
Fulbright Senior Scholar. (2012).
Nystrom Award Finalist, Association of American Geographers. (2009).

Delegate for Meeting of Young Researchers in Earth Sciences. (2008).
Department of Geological Sciences Fellowship, Univ. of South Carolina. (2002).
Julian J. Petty Award for top graduate in Geography Department, Univ. of South Carolina. (2002).
Magna cum laude, Univ. of South Carolina. (2001).
Honorable Discharge, U.S. Air Force. (1999).

Consulting

Environmental impact mitigation, Riverbank Ecosystems, TX, United States. (2017 - Present).
Designated Waters of the U.S. assessment, Vinson & Elkins LLP, AZ, United States. (2014 - 2015).
River connectivity assessment for proposed dam removal, RiverBank Ecosystems, Austin, TX. (2014 - 2015).
Canadian River Boundary dispute, Tontz Law Firm, Norman, OK. (2011 - 2012).
San River Restoration Project, Hitchcock Woods, Aiken, SC. (2003 - 2004).

Media Appearances and Interviews

EAHCP Steward newsletter and website. (October 2020).
Texas State Stories. (November 2018).
Texas Monthly. (November 2018).

Publications

Maleki, S., Julian, J. P., Weaver, R. C., Lopez, C. W., & Kraft, M. P. (2022). Social Demand for Urban Wilderness in Purgatory. In *Human-Nature Interactions: Exploring Nature's Values Across Landscapes* (pp. 247–260). Springer Nature.

Julian, J. P. (2022). *Significant nexus of ephemeral streams to foundational waters in the arid southwestern United States*. Freeport-McMoRan.

Lookingbill, T. R., Meitzen, K. M., & Julian, J. P. (2021). Riverscapes. In *The Routledge Handbook of Landscape Ecology*. Routledge.

Ordway, E. M., Elmore, A. J., Kolstoe, S., Quinn, J. E., Swannick, R., Cattau, M., Taillie, D., Guinn, S. M., Chadwick, K. D., Atkins, J. W., Blake, R. E., Chapman, M., Cobourn, K., Goulden, T., Helmus, M. R., Hondula, K., Hritz, C., Jensen, J., Julian, J. P., ... W, C. (2021). Leveraging the NEON Airborne Observation Platform for socio-environmental systems research. *Ecosphere*, 12(6).

Misiune, I., Julian, J. P., & Veteikis, D. (2021). Pull and push factors for use of urban green spaces and priorities for their ecosystem services: Case study of Vilnius, Lithuania. *Urban Forestry & Urban Greening*, 58. <https://doi.org/10.1016/j.ufug.2020.126899>

Manning, A. B., Julian, J. P., & Doyle, M. W. (2020). Riparian vegetation as an indicator of stream channel presence and connectivity in arid environments. *Journal of Arid Environments*, 178, 1–17. <https://doi.org/10.1016/j.jaridenv.2020.104167>

Julian, J. P., & Weaver, R. C. (2019). Demand for Stream Mitigation in Colorado, USA. *Water*, 11(1), 174. <https://doi.org/10.3390/w11010174>

Julian, J. P. (2019). Old forts and new amenities in the Southern Plains. In *Collateral Values: The Natural Capital Created by Landscapes of War* (pp. 77–109). Springer.

Castro, A., Julian, J. P., Vaughn, C. C., Martin-Mikle, C., & Quintas-Soriano, C. (2018). Ecosystem services across U.S. watersheds: a meta-analysis of studies 2000-2014. In *Ecosystem Services and Global Ecology* (pp. 81–101). InTech. <https://doi.org/10.5772/intechopen.76650>

- Thoms, M. C., Meitzen, K. M., Julian, J. P., & Butler, D. R. (2018). Bio-geomorphology and resilience thinking: common ground and challenges. *Geomorphology*, 305, 1–7.
- Manning, A., & Julian, J. P. (2018). Ecosystem services and damage costs of federal lands: Case study of Gila National Forest, USA. *Southwestern Geographer*, 21, 1.
- Abbott, S. K., Kamarinas, I. J., Meitzen, K. M., Fuller, I., Mc Coll, S., & Dymond, J. (2018). State-shifting at the edge of resilience: river suspended sediment responses to land use change and extreme storms. *Geomorphology*, 305, 49–60.
- Castro, A., & Julian, J. P. (2018). Applying place-based social-ecological research to address water scarcity: Insights for future research. *Sustainability*, 10(5). <https://doi.org/10.3390/su10051516>
- Meitzen, K. M., Phillips, J., Perkins, T., Manning, A., & Julian, J. P. (2018). Catastrophic flood disturbance and a community's response to plant resilience in the heart of the Texas Hill Country. *Geomorphology*, 305, 20–32.
- Julian, J. P., Daly, G., & Weaver, R. C. (2018). University students' social demand of a blue space and the influence of life experiences. *Sustainability*, 10(9). <https://doi.org/10.3390/su10093178>
- Julian, J. P. (2017). *Journal of Historical Geography*, 55, 111.
- Julian, J. P., de Beurs, K., Owsley, B., Davies-Colley, R., & Ausseil, A. (2017). River water quality changes in New Zealand over 26 years: Response to land use intensity. *Hydrology & Earth System Sciences*, 21, 1149–1171.
- Julian, J. P., Podolak, C. J., Meitzen, K. M., Doyle, M. W., Manners, R. B., Hester, E., Ensign, S., & Wilgruber, N. (2016). Shaping the physical template: Biological, hydrological, and geomorphic connections in stream channels. In J. B. Jones & E. H. Stanley (Eds.), *Streams in a Changing Environment* (pp. 85–133).
- de Beurs, K. M., Owsley, B. C., & Julian, J. P. (2016). Disturbance analyses of forests and grasslands with MODIS and Landsat in New Zealand. *International Journal of Applied Earth Observation and Geoinformation*, 45, 42–54.
- Tran, T. V., de Beurs, K. M., & Julian, J. P. (2016). Monitoring forest disturbances in southeast Oklahoma using Landsat and MODIS images. *International Journal of Applied Earth Observation and Geoinformation*, 44, 42–54.
- Kamarinas, I., Julian, J. P., Hughes, A., Owsley, B., & de Beurs, K. (2016). Nonlinear changes in land cover and sediment runoff in a New Zealand catchment dominated by plantation forestry and livestock grazing. *Water*, 8(10).
- Castro, A. J., Vaughn, C. C., Julian, J. P., & Garcia-Llorente, M. (2016). Social demand for ecosystem services and implications for watershed management. *Journal of American Water Resources Association*, 52(1), 209–221.
- Lavy, B. L., Julian, J. P., & Jawarneh, R. N. (2016). The impact of past and future urban expansion on soil resources in central Arkansas (USA). *Papers in Applied Geography*, 2(1), 25–39.
- Castro, A. J., Vaughn, C., Julian, J. P., & Garcia-Llorente, M. (2016). Willingness to pay for ecosystem services among stakeholder groups in a South-Central U.S. watershed with regional conflict. *Journal of Water Resources Planning and Management*, 142(9), 10.1061/(ASCE)WR.1943–5452.0000671, 05016006. [https://doi.org/10.1061/\(ASCE\)WR.1943-5452.0000671](https://doi.org/10.1061/(ASCE)WR.1943-5452.0000671)
- Castro, A. J., Vaughn, C. C., Julian, J. P., Garcia-Llorente, M., & Bowman, K. N. (2015). Social Perception and Supply of Ecosystem Services: A Watershed Approach for Carbon Related Ecosystem Services. In J. A. Blanco (Ed.), *Biodiversity in Ecosystems: Linking Structure and Function*. InTech. <http://www.intechopen.com/books/biodiversity-in-ecosystems-linking-structure-and-function>
- Vaughn, C. C., Atkinson, C. L., & Julian, J. P. (2015). Drought-induced changes in flow regimes lead to long-term losses in mussel-provided ecosystem services. *Ecology and Evolution*, 5(6), 1291–1305.
- Martin-Mikle, C. J., de Beurs, K. M., Julian, J. P., & Mayer, P. M. (2015). Identifying priority sites for low impact development (LID) in a mixed-use watershed. *Landscape and Urban Planning*, 140, 29–41.

- Gates, K., Vaughn, C., & Julian, J. P. (2015). Incorporating species traits in a guild approach for developing freshwater mussel environmental flow recommendations. *Freshwater Biology*, 60, 620–635.
- Gates, K. K., Vaughn, C. C., & Julian, J. P. (2015). Incorporating species traits in a guild approach for developing freshwater mussel environmental flow recommendations. *Freshwater Biology*, 60, 620–635.
- Julian, J. P., Willgruber, N. A., de Beurs, K. M., Mayer, P. M., & Jawarneh, R. N. (2015). Long-term impacts of land cover changes on stream channel loss. *Science of the Total Environment*, 537, 399–410.
- Jawarneh, R. N., Julian, J. P., & Lookingbill, T. R. (2015). Physiography influences on historical and future land development changes: A case study of central Arkansas (USA), 1857-2030. *Landscape and Urban Planning*, 143, 76–89.
- Julian, J. P., & Gardner, R. H. (2014). Land cover effects on runoff patterns in eastern Piedmont (USA) watersheds. *Hydrological Processes*, 28, 1525–1538.
- Tran, T. V., Julian, J. P., & de Beurs, K. M. (2014). Land cover heterogeneity effects on sub-pixel and per-pixel classifications. *International Journal of Geo-Information*, 3(2), 540–553.
- Atkinson, C. L., Julian, J. P., & Vaughn, C. C. (2014). Species and function lost: role of drought in structuring stream communities. *Biological Conservation*, 176, 30–38.
- Julian, J. P., Davies-Colley, R. J., Gallegos, C. L., & Tran, T. V. (2013). Optical water quality of inland waters: A landscape perspective. *Annals of the Association of American Geographers*, 103, 309–318.
- Elmore, A. J., Julian, J. P., Guinn, S. M., & Fitzpatrick, M. C. (2013). Potential stream density in Mid-Atlantic U.S. watersheds. *PLoS ONE*, 8(8). <https://doi.org/10.1371/journal.pone.0074819>
- Powers, S. M., Julian, J. P., Doyle, M. W., & Stanley, E. H. (2013). Retention and transport of nutrients in a mature agricultural impoundment. *Journal of Geophysical Research: Biogeosciences*, 118. <https://doi.org/10.1029/2012JG002148>
- Vaughn, C. C., & Julian, J. P. (2013). Incorporating Ecological Costs and Benefits into Environmental Flow Recommendations for Oklahoma Rivers. In *Oklahoma Water Resources Research Institute* (p. 38).
- Julian, J. P., Elmore, A. J., & Guinn, S. M. (2012). . Channel head locations in forested watersheds across the Mid-Atlantic United States: A physiographic analysis. *Geomorphology*, 177.
- Jawarneh, R. N., & Julian, J. P. (2012). Development of an accurate fine-resolution land cover timeline: Little Rock, Arkansas, USA (1857 - 2006). *Applied Geography*, 35.
- Julian, J. P., Thomas, R. E., Said, S., Hoagland, B. W., & Tarhule, A. (2012). Historical variability and feedbacks among land cover, stream power, and channel geometry along the lower Canadian River floodplain in Oklahoma. *Earth Surface Processes and Landforms*, 37. <https://doi.org/10.1002/esp.2272>
- Atkinson, C. L., Julian, J. P., & Vaughn, C. C. (2012). Scale-dependent longitudinal patterns in mussel communities. *Freshwater Biology*, 57.
- Julian, J. P., Seegert, S. Z., Powers, S. M., Stanley, E. H., & Doyle, M. W. (2011). Light as a first-order control on ecosystem structure in a temperate stream. *Ecohydrology*, 4. <https://doi.org/10.1002/eco.144>
- Julian, J. P., Stanley, E. H., & Doyle, M. W. (2008). Basin-scale consequences of agricultural land use on benthic light availability and primary production along a sixth-order temperate river. *Ecohydrology*, 11. <https://doi.org/10.1002/eco.144>
- Julian, J. P., Doyle, M. W., & Stanley, E. H. (2008). Empirical modeling of light availability in rivers. *Journal of Geophysical Research: Biogeosciences*, 113. <https://doi.org/10.1029/2007JG000601>
- Julian, J. P., Doyle, M. W., Powers, S. M., Stanley, E. H., & Riggsbee, J. A. (2008). Optical water quality in rivers. *Water Resources Research*, 44. <https://doi.org/10.29/2007WR006457>
- Stanley, E. H., Riggsbee, J. A., Julian, J. P., Doyle, M. W., & Wetzel, R. G. (2007). Suspended sediment, dissolved organic carbon, and dissolved nitrogen export during the dam removal process. *Water Resources Research*, 43. <https://doi.org/10.1029/2006WR005318>
- Julian, J. P., & Torres, R. (2006). Hydraulic erosion of cohesive riverbanks. *Geomorphology*, 76.

Doyle, M. W., & Julian, J. P. (2005). The most-cited works in Geomorphology. *Geomorphology*, 72.

Julian, J. P., & Torres, R. (2004). Hydrology and Geomorphology of Sand River, Aiken, SC. In *Hitchcock Woods Foundation* (p. 24).

Presentations

Julian, J. P., "River water quality changes in New Zealand over 26 years: Responses to land use intensity," South Dakota State University, Geospatial Sciences Center of Excellence, Brookings, SD, United States. (2017).

Julian, J. P., "River water quality changes in New Zealand over 26 years: Responses to land use intensity," Appalachian Laboratory, University of Maryland Center for Environmental Science, Frostburg, MD, United States. (2017).

Julian, J. P., "River water quality changes in New Zealand over 26 years: Responses to land use intensity," U.S. Geological Survey, Center for Earth Resources Observation & Science (EROS), Sioux Falls, SD, United States. (2017).

Kamarinas, I., Julian, J. P., Urban Riparian Symposium, "A New Methodology for Watershed-Scale Riparian Buffer Placement to Improve Water Quality: Palmerston North, New Zealand case-study," Houston, TX, United States. (2017).

Julian, J. P., Daly, G., Society for Freshwater Science annual meeting, "A river runs through it: San Marcos' (Texas, USA) growing demand for freshwater," Raleigh, NC, United States. (2017).

Julian, J. P., Daly, G., Weaver, R. C., Programme on Ecosystem Change and Society (PECS) 2nd annual meeting, "Cross-scale connections among stakeholders of freshwater ecosystem services in the San Marcos River watershed: A PECS WaterSES social-ecological system case study," Oaxaca, Mexico. (2017).

Quintas-Soriano, C., Julian, J. P., Natural Capital Symposium, "Investigating water scarcity and governance across social-ecological systems (WaterSES): a program on ecosystem change and society (PECS) perspective," Stanford University, Palo Alto, CA, United States. (2017).

Julian, J. P., de Beurs, K., Owsley, B., NASA Land Cover Land Use Change, Spring Science Team Meeting, "River water quality changes in New Zealand over 26 years: Responses to land management and land use intensity," Rockville, MD, United States. (2017).

Julian, J. P., American Association of Geographers annual meeting, "River water quality changes in New Zealand over 26 years: Responses to land use intensity," Boston, MA, United States. (2017).

Julian, J. P., Binghamton Geomorphology Symposium, "State-shifting at the edge of resilience: River water quality responses to changes in land use intensity," San Marcos, TX, United States. (2017).

Castro, A., Julian, J. P., Society for Freshwater Science annual meeting, "Water scarcity and governance across Social-Ecological Systems: a Program on Ecosystem Change and Society (PECS)," Raleigh, NC, United States. (2017).

Daly, G., Julian, J. P., Weaver, R., "A River Runs Through It: How Texas State University students use and value their San Marcos River," American Association of Geographers, San Francisco, CA. (2016).

Moss, G., Julian, J. P., "Connecting Protected Places in Texas using Riparian Conservation Networks," Southwest Division of the American Association of Geographers (SWAAG), Denton, TX. (2016).

de Beurs, K., Owsley, B., Julian, J. P., "Determining the Relative Roles of Climate and Land Use on Land Cover Changes in New Zealand," Southwest Division of the American Association of Geographers (SWAAG), Denton, TX. (2016).

Tran, T. V., de Beurs, K. M., Julian, J. P., "Monitoring Forest Disturbances in Southeast Oklahoma using Landsat and MODIS Images," American Association of Geographers, San Francisco, CA. (2016).

- Kamarinas, I., Julian, J. P., "Nonlinear Relationships between Land Use/Cover Change and Sediment Runoff on an Intensively Managed Landscape," Southwest Division of the American Association of Geographers (SWAAG), Denton, TX. (2016).
- Daly, G., Julian, J. P., Weaver, R., "Social Demand of a Blue Space: Use, Value, and Perceptions of the San Marcos River, Texas," Southwest Division of the American Association of Geographers (SWAAG), Denton, TX. (2016).
- Julian, J. P., de Beurs, K., Owsley, B., Davies-Colley, R. J., "Spatiotemporal Connections between Land Use and River Water Quality across 77 Catchments in New Zealand over 26 years," Southwest Division of the American Association of Geographers (SWAAG), Denton, TX. (2016).
- Julian, J. P., de Beurs, K., Owsley, B., Davies-Colley, R. J., "Spatiotemporal Connections between Land Use and River Water Quality across 77 Catchments in New Zealand over 26 years," Binghamton Geomorphology Symposium, Fort Collins, CO. (2016).
- Julian, J. P., Kamarinas, I., de Beurs, K. M., Owsley, B. C., Davies-Colley, R. J., "Twenty-five years of changes in agricultural production, land use/cover, and river water quality in New Zealand," American Association of Geographers, San Francisco, CA. (2016).
- Kamarinas, I., Julian, J. P., Owsley, B. C., de Beurs, K. M., "Using multi-resolution data to understand how land cover changes affect sediment runoff to rivers across multiple scales," American Association of Geographers, San Francisco, CA. (2016).
- Daly, G., Julian, J. P., "A River Runs Through It: How Texas State University students use and value their San Marcos River," Southwest Division of the Association of American Geographers, San Antonio, TX. (2015).
- Abbott, S., Julian, J. P., Kamarinas, I., Dymond, J., "Effects of land use and extreme precipitation on hillslope erosion and suspended sediment yields in the Manawatu River, New Zealand," Southwest Association of American Geographers, San Antonio, TX. (2015).
- Abbott, S. K., Julian, J. P., Kamarinas, I., Dymond, J., Fall Meeting, "Effects of Land Use and Extreme Precipitation on Hillslope Erosion and Suspended Sediment Yields in the Manawatu River, New Zealand," American Geophysical Union, San Francisco, CA. (2015).
- Julian, J. P., de Beurs, K. M., Owsley, B. C., Kamarinas, I., NASA Carbon Cycle & Ecosystems Joint Science Workshop, "Land Management Impacts on Water Quality in New Zealand across Political Boundaries," College Park, MD. (2015).
- Kamarinas, I., Julian, J. P., "Mapping stream networks in New Zealand using climate, geology and source of flow," Southwest Association of American Geographers, San Antonio, TX. (2015).
- Julian, J. P., Kamarinas, I., de Beurs, K. M., Owsley, B. C., Hughes, A., World Congress, "Shifting sediment runoff regimes in a New Zealand watershed resulting from land use and climate changes," International Association of Landscape Ecology, Portland, OR. (2015).
- Julian, J. P., Kamarinas, I., de Beurs, K. M., Owsley, B. C., Davies-Colley, R. J., "Twenty-five years of changes in agricultural production, land use/cover, and river water quality in New Zealand," Southwest Association of American Geographers, San Antonio, TX. (2015).
- Newcomer, K. B., Julian, J. P., Meitzen, K., "Using multi-resolution data to understand how land cover changes affect sediment runoff to rivers across multiple scales," Southwest Division of the Association of American Geographers, San Antonio, TX. (2015).
- Julian, J. P., Lincoln University, Department of Environmental Management. (2014).
- Julian, J. P., Massey University, Institute of Agriculture & Environment. (2014).
- Julian, J. P., National Institute of Water & Atmospheric Research, Hamilton, New Zealand. (2014).
- Julian, J. P., Virginia Tech University, Department of Forest Resources & Environmental Conservation. (2014).
- Owsley, B. C., de Beurs, K. M., Julian, J. P., Global Land Project, 2nd Open Science Meeting, "A fused disturbance model for land management analysis in New Zealand," Berlin, Germany. (2014).

- Owsley, B. C., de Beurs, K. M., Julian, J. P., "A Unified Disturbance Analysis for Forests and Grasslands in New Zealand," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Daly, G., Julian, J. P., "Changing Ecosystem Services in the Fastest Growing City in the Nation," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Julian, J. P., Castro, A. J., Vaughn, C. C., Atkinson, C. L., "Effects of Drought and Water Resource Management on Biophysical and Sociocultural Ecosystem Services in South-Central United States," American Geophysical Union, San Francisco, CA. (2014).
- Kamarinas, I., Julian, J. P., Owsley, B. C., de Beurs, K. M., Hughes, A., "Identifying Critical Source Areas of Sediment Runoff and their Effect on River Water Quality Using High-Resolution Spatio-Temporal Datasets," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Wilgruber, N. A., Julian, J. P., de Beurs, K. M., Mayer, P. M., Society for Freshwater Science, "Land Cover Impacts on Stream Channel Loss in Central Oklahoma from 1874 to 2010," Joint Aquatic Sciences Meeting, Portland, OR. (2014).
- Julian, J. P., de Beurs, K. M., Owsley, B. C., Kamarinas, I., NASA Land Cover Land Use Change, "Land Management Impacts on Water Quality in New Zealand across Political Boundaries," Spring Science Team Meeting, Rockville, MD. (2014).
- Abbott, S. K., Kamarinas, I., Julian, J. P., Dymon, J., "Legacy Effects of Land Use and an Extreme Precipitation Event on River Sediment Loads in the Manawatu Catchment, New Zealand," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Tran, T. V., Julian, J. P., de Beurs, K. M., "Monitoring and Classifying Forest Disturbances in Southeastern Oklahoma from 2000 to 2011 using High Spatiotemporal Resolution Imagery," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Newcomer, K. B., Julian, J. P., Meitzen, K., "Spatiotemporal changes in Interior Least Tern sandbar habitat along the Red River below Denison Dam," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Julian, J. P., Daly, G., Dascher, D. D., Espinoza, J. Y., Flores-Ortiz, H. W., Newcomer, K. B., "Water Resources and Protected Areas in the South-Central United States," Southwest Association of American Geographers, Albuquerque, NM. (2014).
- Owsley, B. C., de Beurs, K. M., Julian, J. P., "A Unified Disturbance Analysis for Forests and Grasslands in New Zealand," AGU Fall Meeting, GC31A-0442. (December 17, 2014).
- Kamarinas, I., Julian, J. P., Owsley, B. C., de Beurs, K. M., Hughes, A., "Assessing Landscape Connectivity and River Water Quality Changes Using an 8-day, 30-Meter Land Cover Dataset," AGU Fall Meeting, H31I-0755. (December 17, 2014).
- Julian, J. P., Texas State University, Geography Department. (2013).
- Julian, J. P., University of North Texas, Department of Geography. (2013).
- Julian, J. P., University of Oklahoma, Department of Geography & Environmental Sustainability. (2013).
- Owsley, B. C., de Beurs, K. M., Julian, J. P., CaGIS/ASPRS, "A fused disturbance model for disaster assessment and planning," San Antonio, TX. (2013).
- Martin-Mikle, C. J., de Beurs, K. M., Julian, J. P., Governor's Water Conference & OWRI Water Research Symposium, "A Suite of GIS-Based Tools for Siting Low Impact Development in an Urban Watershed," Oklahoma Water Resources Research Institute, Midwest City, OK. (2013).
- de Beurs, K. M., Owsley, B. C., Julian, J. P., Henebry, G. M., American Geophysical Union, "AVHRR, MODIS and Landsat time series for the monitoring of vegetation changes around the world," San Francisco, CA. (2013).
- Tran, T. V., de Beurs, K. M., Julian, J. P., International Association of Landscape Ecology, "Detecting Rapid Forest Disturbance in a Mixed-forest Landscape: Southeast Oklahoma 2000-2011," Austin, TX. (2013).

- Martin-Mikle, C. J., de Beurs, K. M., Julian, J. P., Mayer, P. M., American Geophysical Union, "Development of a Tool for Siting Low Impact Development in Urban Watersheds," San Francisco, CA. (2013).
- Vaughn, C. C., Julian, J. P., Atkinson, C. L., Gates, K. K., Allen, D. C., Galbraith, H. C., Spooner, D. E., Governor's Water Conference & OWRRI Water Research Symposium, "Freshwater Mussels and Environmental Flows in Southeastern Oklahoma," Oklahoma Water Resources Research Institute, Midwest City, OK. (2013).
- Vaughn, C. C., Julian, J. P., Oklahoma Water Resources Research Institute, "Incorporating ecological costs and benefits into environmental flow recommendations for Oklahoma rivers," Stillwater, OK. (2013).
- Julian, J. P., Owsley, B. C., de Beurs, K. M., Kamarinas, I., Hughes, A., American Geophysical Union, "Interactive effects of climate and weekly land cover changes on water quality patterns in a subtropical catchment in New Zealand," San Francisco, CA. (2013).
- Julian, J. P., Gardner, R. H., Water Forum III, "Land Cover Effects on Watershed Hydrologic Memory," Center for Integrated Earth System Science, Austin, TX. (2013).
- Julian, J. P., de Beurs, K. M., Spring Science Team Meeting, "Land Management Impacts on Water Quality in New Zealand across Political Boundaries," NASA Land Cover Land Use Change, Rockville, MD. (2013).
- Owsley, B. C., de Beurs, K. M., Julian, J. P., American Geophysical Union, "Landsat and MODIS fusion for disturbance analysis in New Zealand," San Francisco, CA. (2013).
- Vaughn, C. C., Julian, J. P., Atkinson, C. L., Freshwater Mollusk Conservation Society, "Modeling the Relationship between Mussel Ecosystem Services and Environmental Flows," Guntersville, AL. (2013).
- Vaughn, C. C., Julian, J. P., Atkinson, C. L., Society for Freshwater Science, "Modeling the Relationship between Mussel Ecosystem Services and Environmental Flows," Jacksonville, FL. (2013).
- Martin-Mikle, C. J., Wilgruber, N. A., de Beurs, K. M., Julian, J. P., International Association of Landscape Ecology, "Riparian Buffer Siting Decision Support Tool for an Urban Watershed," Austin, TX. (2013).
- Julian, J. P., International Association of Landscape Ecology, "Riparian land use and bio-hydro-geomorphic feedbacks along a large floodplain-river system in the Great Plains from 1820 to 2008," Austin, TX. (2013).
- Wilgruber, N. A., Julian, J. P., de Beurs, K. M., Governor's Water Conference & OWRRI Water Research Symposium, "Stream Channel Burial in a Mixed Land-use Watershed: A Case Study of the Lake Thunderbird Watershed in Central Oklahoma from 1874 to 2010," Oklahoma Water Resources Research Institute, Midwest City, OK. (2013).
- Wilgruber, N. A., Julian, J. P., de Beurs, K. M., Martin-Mikle, C. J., International Association of Landscape Ecology, "The evolving drainage network of urban watersheds: A case study of the Lake Thunderbird watershed in central Oklahoma from 1874 to 2010," Austin, TX. (2013).
- Julian, J. P., "Sandbar Summit," USGS Columbia Environmental Research Center, Columbia, MO. (2013).
- Julian, J. P., Cawthron Institute, Nelson, New Zealand. (2012).
- Julian, J. P., Horizons Regional Council, North Palmerston, New Zealand. (2012).
- Julian, J. P., National Institute of Water & Atmospheric Research, Hamilton, New Zealand. (2012).
- Julian, J. P., Texas State University, Geography Department. (2012).
- Julian, J. P., University of Auckland, School of Environment. (2012).
- Julian, J. P., University of Otago, Department of Zoology. (2012).
- Julian, J. P., University of Waikato, Department of Biological Sciences. (2012).
- Tran, T. V., Julian, J. P., de Beurs, K., Association of American Geographers, "Effects of Landscape Characteristics on the Accuracy of Subpixel Classification," New York, NY. (2012).
- Julian, J. P., Gardner, R. H., American Geophysical Union, "Land Cover Effects on Watershed Runoff Patterns: A Regional Perspective using Power Spectral Analyses," San Francisco, CA. (2012).

- Elmore, A. J., Julian, J. P., Guinn, S. M., Fitzpatrick, M. C., American Geophysical Union, "A river runs under it: Modeling the distribution of streams and stream burial in large river basins," San Francisco, MA. (2011).
- Tran, T. V., Julian, J. P., Association of American Geographers, "A Subpixel Approach to Understand Land Cover Change in the Arkansas-Red River Basin," Seattle, WA. (2011).
- Jawarneh, R. N., Julian, J. P., Association of American Geographers, "Environmental Influences on Past and Future Urban Development around Little Rock, Arkansas (USA) 1857-2050," Seattle, WA. (2011).
- Elmore, A. J., Guinn, S. M., Julian, J. P., Weitzell, R., Northeastern and North-Central Joint Annual Meeting, "Headwater stream channel mapping and impact assessment in the Mid-Atlantic, USA," Geological Society of America, Pittsburgh, PA. (2011).
- Vaughn, C. C., Julian, J. P., Atkinson, C. L., Allen, D. C., North American Benthological Society, "How do we quantify ecosystem services provided by freshwater mussels?," Providence, RI. (2011).
- Vaughn, C. C., Julian, J. P., Atkinson, C. L., Ecological Society of America, "Incorporating ecological costs and benefits into environmental flow recommendations: Ecosystem services provided by freshwater mussels," Austin, TX. (2011).
- Julian, J. P., Gardner, R. H., Association of American Geographers, "Land Cover Influences on Watershed Runoff Patterns," Seattle, WA. (2011).
- Guinn, S. M., Fitzpatrick, M., Julian, J. P., Elmore, A. J., Maryland Water Monitoring Council, 17th Annual Meeting, "Mapping Headwater Streams in the Potomac River Basin," Baltimore, MA. (2011).
- Julian, J. P., Elmore, A. J., Guinn, S. M., Fitzpatrick, M., Ecological Society of America, "Where do streams really begin?: An ecoregion perspective in the Mid-Atlantic U.S.," Austin, TX. (2011).
- Julian, J. P., Association of American Geographers, "Shedding light upon landscape controls on primary productivity in rivers," Washington, DC. (2010).
- Julian, J. P., Association of American Geographers, "Basin-scale consequences of agricultural land use on light availability and primary production in rivers," Las Vegas, NV. (2009).
- Julian, J. P., Chesapeake Bay Laboratory, University of Maryland Center for Environmental Science. (2008).
- Julian, J. P., Oklahoma State University, Department of Natural Resource Ecology and Management. (2008).
- Julian, J. P., University of Oklahoma, Geography Department. (2008).
- Gardner, R. H., Julian, J. P., Elmore, A., Lookingbill, T., Potomac Monitoring Forum, "Assessing the Consequences of Land Use Change in the Upper Potomac," Metropolitan Washington Council of Governments, Berkeley Springs, WV. (2008).
- Julian, J. P., Doyle, M. W., Association of American Geographers, "Basin-scale hydrogeomorphic controls on riverine light availability," Boston, MA. (2008).
- Julian, J. P., "Potomac River Watershed Synthesis Meeting," University of Maryland Center for Environmental Science, Annapolis, MD. (2008).
- Julian, J. P., Appalachian Laboratory, University of Maryland Center for Environmental Science. (2007).
- Julian, J. P., Horn Point Laboratory, University of Maryland Center for Environmental Science. (2007).
- Julian, J. P., Shippensburg University, Geography and Earth Science Department. (2007).
- Julian, J. P., University of North Carolina, Geography Department. (2007).
- Riggsbee, J. A., Julian, J. P., Doyle, M. W., Wetzel, R. G., Stream Restoration Design Symposium, "Dam Removal as River Restoration: Biological, Physical, and Chemical Responses," River Restoration Northwest, Stevenson, WA. (2007).
- Riggsbee, J. A., Julian, J. P., Doyle, M. W., Wetzel, R. G., North American Benthological Society, 55th Annual Meeting, "Effects of Suspended Sediments on Downstream Biogeochemistry following Dam Removal," Columbia, SC. (2007).

- Julian, J. P., Mid-Atlantic Stream Restoration Conference, "How wide does my channel need to be?: Incorporating bank shear stress into natural channel design," Canaan Valley Institute, Cumberland, MD. (2007).
- Julian, J. P., Doyle, M. W., Stanley, E. H., North American Benthological Society, 55th Annual Meeting, "Light in Rivers: Hydrogeomorphic Controls and Spatial Trends," Columbia, SC. (2007).
- Julian, J. P., Lookingbill, T., Elmore, A., Gardner, R. H., Maryland Water Monitoring Council, 13th Annual Meeting, "Potomac River Ecosystem Project: Basin-scale controls on ecosystem processes," Baltimore, MD. (2007).
- Julian, J. P., Doyle, M. W., Stanley, E. H., American Geophysical Union, "BLAM (Benthic Light Availability Model): A proposed model of hydrogeomorphic controls on light in rivers," San Francisco, CA. (2006).
- Julian, J. P., Riggsbee, J. A., Doyle, M. W., Stanley, E. H., Zahn, S. E., Binghamton Geomorphology Symposium, 37th International Meeting, "Hydro-geomorphic controls and anthropogenic influences on light availability in rivers," Columbia, SC. (2006).
- Julian, J. P., Torres, R., Southeast Regional Stream Restoration Conference, "Predicting Erosion Rates of Cohesive Riverbanks," NC Stream Restoration Institute, Charlotte, NC. (2006).
- Riggsbee, J. A., Julian, J. P., Doyle, M. W., Wetzel, R. G., Southeast Regional Stream Restoration Conference, "Sediment and nutrient fluxes following dam removal," NC Stream Restoration Institute, Charlotte, NC. (2006).
- Riggsbee, J. A., Doyle, M. W., Julian, J. P., Wetzel, R. G., American Society of Civil Engineers, "Channel Adjustment and Riparian Zone Recovery Following the Removal of a Low-Head Dam in North Carolina," Watershed Management Conference, Williamsburg, VA. (2005).
- Riggsbee, J. A., Wetzel, R. G., Doyle, M. W., Julian, J. P., Society of Wetland Scientists, 26th Annual Meeting, "Floodplain, Wetland, and Channel Biogeochemical Relationships following Dam Removal on a Coastal Plain River," Charleston, SC. (2005).
- Julian, J. P., Torres, R., American Geophysical Union – North American Benthological Society, "Hydraulic Erosion of Cohesive Riverbanks in Response to Urban Runoff," New Orleans, LA. (2005).

Contract, Fellowships, Grants and Sponsored Research

- Julian, J. P. (Principal), "Hydrologic Connectivity in the Arid West," Sponsored by Freeport Minerals, Private / Foundation / Corporate, \$53,704.00. (January 1, 2022 - July 30, 2023).
- Steele, M. (Principal), Julian, J. P. (Co-Principal), "Emergent urban nature networks and improving Hispanic representation in STEM," Sponsored by Virginia Tech University, Institutional (Higher Ed), \$20,000.00. (December 2021 - Present).
- Julian, J. P. (Principal), Meitzen, K. M. (Supporting), "Sustainable Carrying Capacity of Upper San Marcos River: Meeting Ecological and Social Demands," Sponsored by Research Enhancement Program, Texas State University, \$7,997.00. (2020 - 2021).
- Elmore, A. (Principal), Julian, J. P. (Supporting), "RCN: Patterns, Places, People: A network for scalable airborne observation of socio-environmental systems," Sponsored by NSF-Macrosystems, Federal, \$500,000.00. (September 2021 - Present).
- Banner, J. (Principal), Julian, J. P. (Supporting), "The New 100th Meridian: Urban Water Resiliency in a Climatic and Demographic Hot Spot," Sponsored by NSF-CNH, \$499,923.00. (2015 - 2020).
- Julian, J. P. (Principal), Weaver, R. C. (Co-Principal), "Analysis of Demand for Stream Mitigation Credits in Colorado," Sponsored by Meridian Institute, Private / Foundation / Corporate, \$63,287.00. (2017 - 2019).
- Julian, J. P. (Principal), de Beurs, K. M. (Co-Principal), Weaver, C. (Co-Principal), "Cross-scale Interactions among Climate Change, Land Use Change, and River Water Quality," Sponsored by National Science Foundation - GSS, \$227,816.00. (2014 - 2019).

Julian, J. P. (Principal), "Identification of headwater streams in arid landscapes," Private / Foundation / Corporate, \$72,382.00. (September 1, 2017 - June 30, 2019).

Julian, J. P. (Principal), Meitzen, K. M., Butler, D. R., "Resilience and Bio-Geomorphic Systems: The 48th Annual Binghamton Geomorphology Symposium," Sponsored by NSF-Geomorphology & Land Use Dynamics, Federal, \$39,250.00. (2017 - 2018).

Julian, J. P. (Principal), de Beurs, K. M. (Co-Principal), "Land Management Impacts on Water Quality in New Zealand across Political Boundaries," Sponsored by NASA - Land Cover Land Use Change Program, \$302,831.00. (2013 - 2016).

Julian, J. P. (Principal), "Social Demand for Ecosystem Services in the Nation Fastest Growing City: San Marcos, TX," Sponsored by Research Enhancement Program, Texas State University, Institutional (Higher Ed), \$8,000.00. (2015).

Julian, J. P. (Principal), "Influence of Catchment Characteristics and Land Use Change on Optical Water Quality in New Zealand Rivers," Sponsored by Fulbright Scholar Program, \$20,000.00. (2012).

Julian, J. P. (Co-Principal), Vaughn, C. (Principal), "Incorporating Ecological Costs and Benefits into Environmental Flow Recommendations for Oklahoma Rivers," Sponsored by Oklahoma Water Resources Research Institute, \$75,000.00. (2011 - 2012).

Julian, J. P. (Principal), "Historical and Future Land Cover Change in Southeast Oklahoma: Implications for Statewide Water Resources," Sponsored by University of Oklahoma Junior Faculty Research Grant, \$8,000.00. (2011).

Julian, J. P. (Co-Principal), Kolar, R. (Principal), Dutnell, R., Nairn, R., Vieux, B., "A Fluvial Geomorphic and Sediment Transport Study of the Little River Upstream of Lake Thunderbird Using an Acoustic Doppler Current Profiler," Sponsored by Oklahoma Water Resources Research Institute, \$83,567.00. (2010 - 2011).

Julian, J. P. (Co-Principal), Elmore, A. (Principal), Kaushal, S., "Investigating Impacts of Headwater Stream Burial during Development on Downstream Nutrient Export to Chesapeake Bay," Sponsored by Maryland Sea Grant, \$148,000.00. (2009 - 2011).

Julian, J. P. (Principal), Hoagland, B. (Co-Principal), Tarhule, A., "Effects of Dam Operation on Downstream Hydrology, Riparian Vegetation, and Channel Migration Patterns," Sponsored by OU Geography Departmental Joint Research Initiative, \$2,000.00. (2009).

Teaching Experience

GEO 7199C, section 257, DISSERTATION. 1.00 credit hours.

SUST 5398, section 251, PROFESSIONAL PROJECT. 3.00 credit hours.

GEO 4314, section 251, RIVER BASIN MANAGEMENT. 3.00 credit hours.

GEO 5199B, section 253, THESIS. 1.00 credit hours.

GEO 5399B, section 254, THESIS. 3.00 credit hours.

GEO 3434, section 251, WATER RESOURCES. 4.00 credit hours.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours.

GEO 7199C, section 003, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 4326, section 001, PARKS & PROTECTED PLACES. 3.00 credit hours. 21 enrolled.

GEO 5326, section 001, PARKS & PRTCD PLCS. 3.00 credit hours. 9 enrolled.

GEO 5199B, section 002, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5399A, section 006, THESIS. 3.00 credit hours. 1 enrolled.

GEO 3434, section 001, WATER RESOURCES. 4.00 credit hours. 41 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 12 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 17 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 12 enrolled.

GEO 7190, section 752, INDEPENDENT STUDY. 1.00 credit hours. 1 enrolled.

GEO 7999C, section 253, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 7334, section 251, GEO ASPECTS WATER. 3.00 credit hours. 6 enrolled.

GEO 4390, section 251, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 5399B, section 253, THESIS. 3.00 credit hours. 2 enrolled.

GEO 7999C, section 004, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 7390, section 003, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 4326, section 001, PARKS & PROTECTED PLACES. 3.00 credit hours. 21 enrolled.

GEO 5326, section 001, PARKS & PRTCD PLCS. 3.00 credit hours. 7 enrolled.

GEO 5399A, section 007, THESIS. 3.00 credit hours. 2 enrolled.

GEO 5399B, section 003, THESIS. 3.00 credit hours. 1 enrolled.

GEO 5390, section 754, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7199A, section 255, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7999C, section 256, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 5334, section 001, APPL WATER RES. 3.00 credit hours. 10 enrolled.

GEO 5335, section 002, DIRECTED RESEARCH. 3.00 credit hours. 1 enrolled.

GEO 7999A, section 012, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 7399C, section 252, DISSERTATION. 3.00 credit hours. 1 enrolled.

GEO 3434, section 251, WATER RESOURCES. 4.00 credit hours. 48 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 16 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 14 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 18 enrolled.

GEO 5334, section 001, APPL WATER RES. 3.00 credit hours. 15 enrolled.

GEO 5335, section 002, DIRECTED RESEARCH. 3.00 credit hours. 1 enrolled.

GEO 7199A, section 006, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7390, section 003, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7390, section 009, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

SUST 5398, section 004, PROFESSIONAL PROJECT. 3.00 credit hours. 1 enrolled.

GEO 5390, section 751, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7199A, section 255, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 3434, section 251, WATER RESOURCES. 4.00 credit hours. 57 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 20 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 18 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 19 enrolled.

GEO 5334, section 002, APPL WATER RES. 3.00 credit hours. 9 enrolled.

GEO 7199A, section 004, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7199C, section 504, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7199A, section 253, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7199C, section 253, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 3425, section 251, GEOMORPHOLOGY. 4.00 credit hours. 15 enrolled.

GEO 3425, section L01, GEOMORPHOLOGY. 0.00 credit hours. 15 enrolled.

GEO 5999B, section 253, THESIS. 9.00 credit hours. 1 enrolled.

GEO 7199A, section 004, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7199C, section 004, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 3425, section 001, GEOMORPHOLOGY. 4.00 credit hours. 8 enrolled.

GEO 3425, section L01, GEOMORPHOLOGY. 0.00 credit hours. 8 enrolled.

GEO 5399A, section 006, THESIS. 3.00 credit hours. 1 enrolled.

GEO 3434, section 001, WATER RESOURCES. 4.00 credit hours. 39 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 20 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 10 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 9 enrolled.

GEO 5390, section 503, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7390, section 503, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 5199B, section 502, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5335, section 253, DIR RESEARCH. 3.00 credit hours. 2 enrolled.

GEO 7199A, section 253, DISSERTATION. 1.00 credit hours. 1 enrolled.

GEO 7999C, section 254, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 7313, section 251, ENVIRONMENT SYSTEMS. 3.00 credit hours. 5 enrolled.

GEO 3325, section 251, GEOMORPHOLOGY. 3.00 credit hours. 35 enrolled.

GEO 5199B, section 252, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5399B, section 254, THESIS. 3.00 credit hours. 1 enrolled.

GEO 5334, section 001, APPL WATER RES. 3.00 credit hours. 6 enrolled.

GEO 7999A, section 007, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 7999C, section 002, DISSERTATION. 9.00 credit hours. 1 enrolled.

GEO 5390, section 001, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 5199B, section 001, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5399A, section 003, THESIS. 3.00 credit hours. 1 enrolled.

GEO 3434, section 001, WATER RESOURCES. 4.00 credit hours. 53 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 19 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 19 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 15 enrolled.

GEO 5390, section 752, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 5199B, section 503, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5399B, section 502, THESIS. 3.00 credit hours. 1 enrolled.

GEO 7999A, section 256, DISSERTN GEO EN GE. 9.00 credit hours. 1 enrolled.

GEO 7999C, section 253, DISSERTN GEO GIS. 9.00 credit hours. 1 enrolled.

GEO 7334, section 251, GEO ASPECTS WATER. 3.00 credit hours. 5 enrolled.

GEO 3325, section 251, GEOMORPHOLOGY. 3.00 credit hours. 49 enrolled.

GEO 7290, section 251, INDEPENDENT STUDY. 2.00 credit hours. 1 enrolled.

GEO 5199B, section 252, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5399A, section 255, THESIS. 3.00 credit hours. 1 enrolled.

GEO 5399B, section 254, THESIS. 3.00 credit hours. 1 enrolled.

GEO 5334, section 001, APPL WATER RES. 3.00 credit hours. 11 enrolled.

GEO 7999A, section 006, DISSERTN GEO EN GE. 9.00 credit hours. 1 enrolled.

GEO 7999C, section 008, DISSERTN GEO GIS. 9.00 credit hours. 1 enrolled.

GEO 5390, section 009, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 5199B, section 008, THESIS. 1.00 credit hours. 1 enrolled.

GEO 5399A, section 006, THESIS. 3.00 credit hours. 1 enrolled.

GEO 3434, section 001, WATER RESOURCES. 4.00 credit hours. 59 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 19 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 20 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 20 enrolled.

GEO 5390, section 751, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7399C, section 251, DISSERTN GEO GIS. 3.00 credit hours. 1 enrolled.

GEO 3325, section 251, GEOMORPHOLOGY. 3.00 credit hours. 38 enrolled.

GEO 5390, section 253, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7390, section 259, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 5395, section 254, PROB APPLIED GEO. 3.00 credit hours. 2 enrolled.

GEO 7393J, section 251, SOIL AND SOCIETY. 3.00 credit hours. 6 enrolled.

GEO 5299B, section 252, THESIS. 2.00 credit hours. 1 enrolled.

GEO 5334, section 001, APPL WATER RES. 3.00 credit hours. 14 enrolled.

GEO 5390, section 018, INDEPENDENT STUDY. 3.00 credit hours. 1 enrolled.

GEO 7390, section 018, INDEPENDENT STUDY. 3.00 credit hours. 2 enrolled.

GEO 5399A, section 018, THESIS. 3.00 credit hours. 1 enrolled.

GEO 3434, section 001, WATER RESOURCES. 4.00 credit hours. 49 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 15 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 16 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 18 enrolled.

GEO 7334, section 251, GEO ASPECTS WATER. 3.00 credit hours. 6 enrolled.

GEO 3434, section 251, WATER RESOURCES. 4.00 credit hours. 49 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 19 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 16 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 14 enrolled.

GEO 3434, section 001, WATER RESOURCES. 4.00 credit hours. 43 enrolled.

GEO 3434, section L01, WATER RESOURCES. 0.00 credit hours. 14 enrolled.

GEO 3434, section L02, WATER RESOURCES. 0.00 credit hours. 16 enrolled.

GEO 3434, section L03, WATER RESOURCES. 0.00 credit hours. 13 enrolled.

Directed Student Learning

Applied Research Project. (August 2022 - Present).
Advised: Sophia Staska

Applied Research Project. (August 2021 - Present).
Advised: Hannah Johnson

Master's Thesis. (August 2020 - Present).
Advised: Priyanjali Bose

Master's Thesis, "A BROADER VIEW OF CONSERVATION: MAPPING NATURE AND CULTURE IN GILLESPIE COUNTY, TEXAS." (2020 - Present).
Advised: Joanna Weathersby

Dissertation, "DISTRIBUTIONS AND DEMANDS OF URBAN GREEN SPACES AND BLUE SPACES." (August 2018 - Present).
Advised: Raihan Jamil

Honor's Thesis, "Tex-essibility: An Analysis of Accessibility in Texas State Parks." (May 2022).
Advised: Isabelle Habegger

Master's Thesis, "Blue Index San Marcos: Assessing Emotional Experiences, Values, and Patterns of Use of Waterscapes in San Marcos, Texas." (May 2022).
Advised: Madeline Wade

Applied Research Project, "Spatiotemporal river use patterns and implications for Texas wild-rice distribution in the San Marcos River (Texas, USA) for Summer 2016." (May 2021).
Advised: Elizabeth Davila

Dissertation, "Community Geography, Place Identity, Environmental Stewardship: What Motivates Volunteerism at Environmental Nonprofit Organizations?." (August 2017 - May 2021).
Advised: Christina Lopez

Applied Research Project, "Plum Creek Watershed Management: A survey and synthesis of management strategies within the context of watershed-scale changes in land use, hydrology, and water quality." (December 2020).
Advised: Aaron Raper

Master's Thesis, "Geospatial analyses of terrestrial-aquatic connections across New Zealand and their influence on river water quality." (August 2020).
Advised: Imokhai Tenebe

Dissertation, "The Anthropogeomorphic Impacts of Camping Activities on Zoogeomorphological Processes and Activity in the Kuwait Desert." (2013 - 2019).
Advised: Faisal Anzah

Master's Thesis, "RIPARIAN FOREST RECOVERY FOLLOWING A CATASTROPHIC FLOOD ON THE BLANCO RIVER, TEXAS." (2016 - 2018).
Advised: Aspen Manning

Dissertation, "GEOSPATIAL ANALYSES OF TERRESTRIAL-AQUATIC CONNECTIONS ACROSS NEW ZEALAND AND THEIR INFLUENCE ON RIVER WATER QUALITY." (2013 - 2018).
Advised: Ioannis Kamarinas

Applied Research Project, "Demographic Usage Patterns of Purgatory Creek Park, San Marcos, TX." (2015 - 2017).
Advised: Mike Kraft

Master's Thesis, "Protecting water quality and connecting protected places in Texas using riparian connectivity networks." (2015 - 2017).
Advised: Grant Moss

Master's Thesis. (2015 - 2017).
Advised: John Phillips

Dissertation. (2014 - 2017).
Advised: Erin Dascher

Dissertation. (2013 - 2017).
Advised: Brendan Lavy

Master's Thesis, "Historical Riparian Habitat Changes of an Endangered Bird Species: Interior Least Terns along the Red River below Denison Dam." (2013 - 2017).
Advised: Kristen Newcomer

Master's Thesis. (2016).
Advised: Brittany Legg

Master's Thesis, "Leveraging data mining and market segmentation to gain conservation opportunity intelligence." (2015 - 2016).
Advised: Matt Heinemann

Master's Thesis. (2014 - 2016).
Advised: David Szpakowski

Master's Thesis, "Cross-scale interactions among land use, climate and river sediment loads in the Manawatu Catchment, New Zealand." (2014 - 2016).
Advised: Samantha Abbott

Dissertation. (2013 - 2016).
Advised: Bill Adams

Dissertation. (2015).
Advised: Jessica Beyer

Master's Thesis. (2015).
Advised: Jessica Espinoza

Dissertation. (2009 - 2015).
Advised: Russell Dutnell

Dissertation. (2014).
Advised: Dong Yan

Dissertation. (2014).

Advised: Pascal Irmscher

Master's Thesis, "Development of a spatially-explicit approach for identifying priority sites for low impact development in a mixed-use watershed." (2014).

Advised: Chelsea Martin-Mikle

Master's Thesis, "Land cover change impacts on stream channel loss." (2014).

Advised: Nick Wilgruber

Dissertation. (2013).

Advised: Carla Atkinson

Dissertation, "Environmental influences on past and future urban development in the Arkansas-Red River Basin (USA), 1857-2050." (2013).

Advised: Rana N. Jawarneh

Dissertation, "Landscape heterogeneity and spatio-temporal resolution considerations for mapping land cover changes." (2013).

Advised: Trung V. Tran

Master's Thesis. (2013).

Advised: Ahren Wardwell

Dissertation. (2012).

Advised: Melissa Hinten

Dissertation, "Satellite remote sensing and hydrologic modeling for flood monitoring in data poor environments." (2011).

Advised: Sadiq Khan

Master's Thesis. (2011).

Advised: Katherine Ewing

Dissertation. (2010).

Advised: Muhammed Rahman

Non-Credit Instruction Taught

Co-advisor, Water Resources Major. (2013 - Present).

Field Trips Developed, University of Oklahoma. (1925).

Field Trips Developed, Texas State University. (1925).

Field Trips Developed, Texas State University. (1925).

Field Trips Developed, University of Oklahoma. (1925).

Field Trips Developed, University of Oklahoma. (1925).

Teaching Innovation and Curriculum Development

First Time Course Preparation. GEOG 3890/5990: Soil and Society. 2015.

First Time Course Preparation. GEOG 4203/5203: Geomorphology. 2015.

First Time Course Preparation. GEOG 5623: GIS Design Seminar. 2015.

First Time Course Preparation. GEOG 6210: Large-scale Ecosystem Restoration. 2015.

New Course. Soil & Society (GEO 7393j). 2015.

University Service

Member, Scheduling Committee. (September 2022 - Present).

Undergraduate Advisor, Faculty advisor for "Bobcat Stream Team" student organization. (2016 - Present).

Undergraduate Advisor, Water Resources Major co-Advisor. (2013 - Present).

Member, Graduate Fulbright Campus Committee. (2022).

Member, Online Education Committee. (September 2021 - August 2022).

Member, Curriculum Committee, College of Liberal Arts. (September 2018 - August 2022).

Associate Chair, Department of Geography. (September 2018 - August 2022).

Chair, Alumni Reunion & Student Celebration Committee. (September 2018 - August 2022).

Chair, Scheduling Committee. (2018 - August 2022).

Chair, Search Committee for Full/Assoc Prof in Env Geog. (April 2019 - 2020).

Member, Scholarships & Awards Committee. (September 2018 - May 2019).

Chair, Colloquium Committee. (2014 - 2018).

Member, Graduate Committee. (2016 - 2017).

Geography Student Research Symposium Committee. (2013 - 2016).

Water Conservation Endowed Chair Search Committee. (2014 - 2015).

Member representative, University Corporation for Atmospheric Research. (2014 - 2015).

Political Geography Faculty Search Committee. (2014).

Graduate Committee. (2013 - 2014).

Colloquium Committee. (2009 - 2013).

Graduate Committee. (2009 - 2013).

Executive board for Kessler Atmospheric & Ecological Field Station. (2009 - 2013).

Department representative for GIS Day. (2012).

John T. Snow Scholarship Selection Committee. (2012).

Department representative for new student orientation. (2009 - 2012).

Geography Day organizer for ~100 high school students/year. (2009 - 2012).

Remote Sensing Faculty Search Committee. (2010).

Professional Service

Editorial Review Board Member, Geographies. (2020 - Present).

Member, Association of American Geographers. (2009 - Present).

Member, International Association for Landscape Ecology. (2008 - Present).

Reviewer / Referee, 4 journal article reviews. (January 2022 - December 2022).

Reviewer / Referee, 6 journal article reviews. (January 2020 - December 2020).

Member, Steering Committee of the Binghamton Geomorphology Symposium Series. (2015 - 2020).

Reviewer / Referee, 4 Journal articles. (2018).

Chair, Southwest Division of American Association of Geographers. (2017).

Coordinator / Organizer, Binghamton Geomorphology Symposium, San Marcos, TX. (2017).

Editor, Special Issue guest-editor for journal of Geomorphology. (2017).

Reviewer / Referee, 6 journal articles. (2017).

Member, Society for Freshwater Science. (2007 - 2017).

Reviewer / Referee, 7 journal articles. (2016).

Secretary, Southwest Division of American Association of Geographers. (2016).

Member, American Geophysical Union. (2007 - 2016).

Coordinator / Organizer, Student Paper/Poster Competition Sessions, SWAAG, San Antonio, TX. (2015).

Reviewer / Referee, 38 Journal articles. (2015).

Reviewer / Referee, Panel reviewer: NASA. (2015).

Reviewer / Referee, Proposal reviewer. (2015).

Treasurer, Southwest Division of American Association of Geographers. (2014 - 2015).

Coordinator / Organizer, "Land Change Science," Southwest and Great Plains-Rocky Mountain Associations of American Geographers (SWAAG-GPRM) Joint Annual Meeting, Albuquerque, NM. (2014).

Coordinator / Organizer, "Landscape Controls on Ecosystem Processes," Annual Meeting of the Association of American Geographers, Albuquerque, NM. (2010).

Public Service

Member, Conservation Committee - San Marcos Greenbelt Alliance, San Marcos. (March 2018 - Present).

Speaker, Invited speaker on Water Resources; Hernandez Elementary. (2015 - Present).

Board Member, San Marcos Greenbelt Alliance, San Marcos, TX. (March 2018 - December 2021).

Member, Emerald Crown Trail Working Group, San Marcos, TX. (2017 - 2021).

Youth basketball coach, San Marcos Recreation Center, San Marcos, TX. (2014 - 2019).

Youth football coach, San Marcos Recreation Center, San Marcos, TX. (2014 - 2019).

Organizer & Host for panel session on "Preparing for Graduate School: A Geography perspective". (2016).

Co-Organizer & Host for Career Awareness Day for 5th grade Gifted & Talented Program. (2015).

Media Coverage, Chesapeake Quarterly, <http://www.chesapeakequarterly.net/V14N1/main3/>. (April 2015).

Media Coverage, AGU Blogosphere, <http://blogs.agu.org/geospace/2014/12/19/new-zealand-watersheds-show-dirt-logging-grazing/>. (December 19, 2014).

Media Coverage, Interview by U.S. Embassy in New Zealand, <https://www.youtube.com/watch?v=pYBrK1O4UEQ&list=UUHdD1ujwX1fCB0CiamefSWA>. (May 30, 2014).

Youth soccer coach, YMCA, Norman, OK. (2011 - 2012).

"Geography Day" for ~100 high school students each year. (2009 - 2012).

Media Coverage, National Public Radio, KGOU. (March 22, 2011).

Media Coverage, OK News 9. (March 22, 2011).

Media Coverage, OK NewsChannel 4, KFOR. (March 22, 2011).

Media Coverage, The Norman Transcript. (November 18, 2009 - March 22, 2011).

Media Coverage, The Oklahoman. (November 19, 2009).

Media Coverage, The Oklahoma Daily. (November 17, 2009).