

Jason P. Julian

Associate Professor in Water Resources
Department of Geography, Texas State University

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RESEARCH AND TEACHING EXPERTISE

Environmental Geography: human-environment interactions; landscape controls on hydrologic, geomorphic, and ecological processes; land-cover/land-use change; soil resources

Water Resources: watershed science; ecosystem services; watershed management; water policy

Ecohydrology: bio-hydro-geomorphic feedbacks in river ecosystems; spatiotemporal trends in water quality; environmental flows; aquatic light availability; scaling relationships

Fluvial Geomorphology: channel changes; large river-floodplain dynamics; streambank erosion

EDUCATION

Ph.D. Geography University of North Carolina, Chapel Hill, NC, **2007**

M.S. Geology University of South Carolina, Columbia, SC, **2004**

B.S. Geography University of South Carolina, Columbia, SC, **2001**

PROFESSIONAL POSITIONS

2013 – present Associate Professor, Department of Geography, Texas State University

2009 – 2013 Assistant Professor, Department of Geography & Environmental Sustainability, University of Oklahoma

2007 – 2008 Assistant Research Scientist (postdoc), Appalachian Laboratory, University of Maryland Center for Environmental Science

2004 – 2007 Research Assistant, Department of Geography, University of North Carolina

2002 – 2004 Research and Teaching Assistant, Department of Geological Sciences, University of South Carolina

2000 – 2001 Surface Processes Lab Assistant, Department of Geological Sciences, University of South Carolina

1996 – 1999 Space Systems Technician, United States Air Force

PUBLICATIONS* (underline indicates student/post-doc I mentored)

*Full text of most book chapters and articles can be found on ResearchGate:

https://www.researchgate.net/profile/Jason_Julian

Peer-reviewed Book Chapters (4)

Julian JP. 2017, In review. Old forts and new amenities in the Southern Plains. In Lookingbill T, Smallwood P (editors), *Collateral Values: The Natural Capital Created by Landscapes of War*, Springer.

Julian JP, Podolak CJP, Meitzen KM, Doyle MW, Manners RB, Hester E, Ensign S, Wilgruber N. 2016. Shaping the physical template: Biological, hydrological, and geomorphic

connections in stream channels. In Jones JB, Stanley EH (editors), *Streams in a Changing Environment*, London, Academic Press, pp. 85-133.

Castro AJ, Vaughn CC, Julian JP, García-Llorente M, Bowman KN. 2015. Social perception and supply of ecosystem services: a watershed approach for carbon related ecosystem services. In Blanco JA (editor), *Biodiversity in Ecosystems: Linking Structure and Function*, Open-Access: InTech, <http://www.intechopen.com/books/biodiversity-in-ecosystems-linking-structure-and-function>.

Riggsbee JA, Doyle MW, Julian JP, Manners R, Muehlbauer JD, Sholtes J, and Small MJ. 2013. Influence of Aquatic and Semi-Aquatic Organisms on Channel Forms and Processes. In Shroder JF (Editor-in-chief), Wohl E (Volume Editor), *Treatise on Geomorphology*, Vol 9, Fluvial Geomorphology, San Diego, Academic Press, pp. 189-202.

Peer-reviewed Journal Articles (29)

Julian JP, de Beurs KM, Owsley BC, Davies-Colley RJ, Ausseil A-GE. 2017, In press. River water quality changes in New Zealand over 26 years (1989 – 2014): Response to land use intensity. *Hydrology & Earth System Sciences*.

Kamarinas I, Julian JP, Hughes AO, Owsley BC, de Beurs KM. 2016. Nonlinear changes in land cover and sediment runoff in a New Zealand catchment dominated by plantation forestry and livestock grazing. *Water* 8(10), 436; doi:10.3390/w8100436.

Lavy BL, Julian JP, Jawarneh RN. 2016. The impact of past and future urban expansion on soil resources in central Arkansas (USA), 1994-2030. *Papers in Applied Geography* 2(1): 25-39.

de Beurs KM, Owsley BC, Julian JP. 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.

Castro AJ, Vaughn CC, García-Llorente M, Julian JP, Atkinson CL. 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](https://doi.org/10.1061/(ASCE)WR.1943-5452.0000671), 05016006.

Tran TV, de Beurs KM, Julian JP. 2016. Monitoring forest disturbances in southeast Oklahoma using Landsat and MODIS images. *International Journal of Applied Earth Observation and Geoinformation* 44: 42-52.

Castro AJ, Vaughn CC, Julian JP, García-Llorente M. 2016. Social demand for ecosystem services and implications for watershed management. *Journal of American Water Resources Association* 52(1): 209-221.

Julian JP, Wilgruber N, de Beurs KM, Mayer PM, Jawarneh R. 2015. Long-term impacts of land cover changes on stream channel loss. *Science of the Total Environment* 537: 399-410.

Jawarneh RN, Julian JP, Lookingbill TR. 2015. Physiographic influences on historical and future urban growth: Case study of central Arkansas (USA), 1857-2030. *Landscape and Urban Planning* 143: 76-89.

Gates KK, Vaughn CC, Julian JP. 2015. Incorporating species traits in a guild approach for developing freshwater mussel environmental flow recommendations. *Freshwater Biology* 60: 620-635.

Martin-Mikle CJ, de Beurs KM, Julian JP, Mayer PM. 2015. Identifying priority sites for low impact development (LID) in a mixed-use watershed. *Landscape and Urban Planning* 140: 29-41.

- Vaughn CC, Atkinson CL, Julian JP. 2015. Drought-induced changes in flow regimes lead to long-term losses in mussel-provided ecosystem services. *Ecology & Evolution* 5(6): 1291-1305.
- Tran TV, Julian JP, de Beurs KM. 2014. Land cover heterogeneity effects on sub-pixel and per-pixel classifications. *International Journal of Geo-Information* 3(2): 540-553.
- Atkinson CL, Julian JP, Vaughn CC. 2014. Species and function lost: role of drought in structuring stream communities. *Biological Conservation* 176: 30-38.
- Julian JP, Gardner RH. 2014. Land cover effects on runoff patterns in eastern Piedmont (USA) watersheds. *Hydrological Processes* 28: 1525-1538.
- Elmore AJ, Julian JP, Guinn SM, Fitzpatrick MC. 2013. Potential stream density in Mid-Atlantic U.S. watersheds. *PLoS ONE* 8(8): e74819, doi: 10.1371/journal.pone.0074819.
- Powers SM, Julian JP, Doyle MW, Stanley EH. 2013. Retention and transport of nutrients in a mature agricultural impoundment. *Journal of Geophysical Research: Biogeosciences* 118: 1-13, doi:10.1029/2012JG002148.
- Julian JP, Davies-Colley RJ, Gallegos CL, Tran TV. 2013. Optical water quality of inland waters: A landscape perspective. *Annals of the Association of American Geographers* 103: 309-318.
- Julian JP, Elmore AJ, Guinn SM. 2012. Channel head locations in forested watersheds across the Mid-Atlantic United States: A physiographic analysis. *Geomorphology* 177: 194-203.
- Atkinson CL, Julian JP, Vaughn CC. 2012. Scale-dependent longitudinal patterns in mussel communities. *Freshwater Biology* 57: 2272-2284.
- Jawarneh RN, Julian JP. 2012. Development of an accurate fine-resolution land cover timeline: Little Rock, Arkansas, USA (1857 - 2006). *Applied Geography* 35: 104-113.
- Julian JP, Thomas RE, Moursi S, Hoagland BW, 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: 449-458, doi:10.1002/esp.2272.
- Julian JP, Seegert SZ, Powers SM, Stanley EH, Doyle MW. 2011. Light as a first-order control on ecosystem structure in a temperate stream. *Ecohydrology* 4: 422-432, doi: 10.1002/eco.144.
- Julian JP, Stanley EH, Doyle MW. 2008. Basin-scale consequences of agricultural land use on benthic light availability and primary production along a sixth-order temperate river. *Ecosystems* 11: 1091-1105.
- Julian JP, Doyle MW, Stanley EH. 2008. Empirical modeling of light availability in rivers. *Journal of Geophysical Research: Biogeosciences* 113: G03022, doi:10.1029/2007JG000601.
- Julian JP, Doyle MW, Powers SM, Stanley EH, Riggsbee JA. 2008. Optical water quality in rivers. *Water Resources Research* 44: W10411, doi:10.29/2007WR006457.
- Riggsbee JA, Julian JP, Doyle MW, Wetzel RG. 2007. Suspended sediment, dissolved organic carbon, and dissolved nitrogen export during the dam removal process. *Water Resources Research* 43: W09414, doi:10.1029/2006WR005318.
- Julian JP, Torres R. 2006. Hydraulic erosion of cohesive riverbanks. *Geomorphology* 76: 193-206.
- Doyle MW, Julian JP. 2005. The most-cited works in *Geomorphology*. *Geomorphology* 72: 238-249.

Book Reviews (1)

Julian JP. 2016. Review of “Let Us Now Praise Famous Gullies: Providence Canyon and the Soils of the South (Sutter PS, 2015).” *Journal of Historical Geography*.

Professional Reports (2)

Vaughn CC, Julian JP. 2013. “Incorporating Ecological Costs and Benefits into Environmental Flow Recommendations for Oklahoma Rivers.” *Oklahoma Water Resources Research Institute*, 38 pp.

Julian JP, Torres R. 2004. “Hydrology and Geomorphology of Sand River, Aiken, SC.” *Hitchcock Woods Foundation*, 24 pp.

FUNDING – Eleven grants totaling \$1,378,137 (JPJ portion: ~\$375,000)

Resilience and Bio-Geomorphic Systems: The 48th Annual Binghamton Geomorphology Symposium. NSF-Geomorphology & Land Use Dynamics (EAR 1660536), \$39,250, PI with Kimberly Meitzen and David Butler (co-PIs), 2017-2018.

The New 100th Meridian: Urban Water Resiliency in a Climatic and Demographic Hot Spot. NSF-CNH (Award 1518541), \$499,923 (JPJ portion \$0). Participant (and wrote major section of proposal) with Jay Banner (PI) and many others, 2015-2020.

Social Demand for Ecosystem Services in the Nation’s Fastest Growing City: San Marcos, TX. Research Enhancement Program, Texas State University, \$8,000 (JPJ portion: \$8,000). PI, 2015.

Cross-scale Interactions among Climate Change, Land Use Change, and River Water Quality. NSF-GSS, \$227,816 (JPJ portion \$72,184). PI with Kirsten de Beurs and Chris Weaver (co-PIs), 2014-2017.

Land Management Impacts on Water Quality in New Zealand across Political Boundaries. NASA LCLUC, \$302,831 (JPJ portion: ~\$240,000). PI with Kirsten de Beurs (co-PI), 2013-2015.

Influence of Catchment Characteristics and Land Use Change on Optical Water Quality in New Zealand Rivers. Fulbright Scholar Program, ~\$20,000 (JPJ portion: \$20,000). PI, 2012.

Historical and Future Land Cover Change in Southeast Oklahoma: Implications for Statewide Water Resources. University of Oklahoma Junior Faculty Research Grant, \$8,000 (JPJ portion: \$8,000). PI, 2011.

Incorporating Ecological Costs and Benefits into Environmental Flow Recommendations for Oklahoma Rivers. Oklahoma Water Resources Research Institute, \$75,000 (JPJ portion: \$0). Co-PI with Caryn Vaughn (PI), 2011-2012.

A Fluvial Geomorphic and Sediment Transport Study of the Little River Upstream of Lake Thunderbird Using an Acoustic Doppler Current Profiler. Oklahoma Water Resources Research Institute, \$83,567 (JPJ portion: \$0). Co-I with Randall Kolar (PI), Russell Dutnell, Robert Nairn, and Baxter Vieux, 2010-2011.

Effects of Dam Operation on Downstream Hydrology, Riparian Vegetation, and Channel Migration Patterns. OU Geography Departmental Joint Research Initiative, \$2,000 (JPJ portion: \$2,000). PI with Bruce Hoagland and Aondover Tarhule, 2009-2010.

Investigating Impacts of Headwater Stream Burial during Development on Downstream Nutrient Export to Chesapeake Bay. Maryland Sea Grant, \$148,000 (JPJ portion: \$21,936). Co-PI with Andrew Elmore (PI) and Sujay Kaushal, 2009-2011.

FELLOWSHIPS & AWARDS TO STUDENTS UNDER MY SUPERVISION (\$100,150)

Jeanett Bosarge. Celebrity Classic Endowed Scholarship, Texas State University, \$6,000. 2016 (MS Advisor).

Jeanett Bosarge. The Graduate College Scholarship – Liberal Arts, Texas State University, \$3,000. 2016 (MS Advisor).

Jeanett Bosarge. Graduate Merit Fellowship, Texas State University, \$2,500. 2016 (MS Advisor).

Graham Daly. Don and Reba Blaschke Endowed Scholarship, \$500. 2016 (PhD Advisor).

Grant Moss. 3rd place Poster at SWAAG conference, \$50. 2016 (MS Advisor).

Ioannis Kamarinas. 2nd place Paper at SWAAG conference, \$100. 2016 (PhD Advisor).

Ioannis Kamarinas. Jeffries Family Scholarship, Texas State University, \$500. 2016 (PhD Advisor).

Kristen Newcomer. 1st place Paper at SWAAG conference, \$250. 2015 (MS Advisor).

Ioannis Kamarinas. 1st place Poster at SWAAG conference, \$250. 2015 (PhD Advisor).

Samantha Abbott. Joe and Jerry Moore Scholarship in Water Resources, Texas State University, \$500. 2015 (MS advisor).

Samantha Abbott. Graduate Merit Fellowship, Texas State University, \$2,500. 2014-2015 (MS advisor).

Nick Wilgruber. Green Infrastructure Site Location Decision Support Tool. NNEMS Fellowship, Environmental Protection Agency, \$30,000. 2012-2014 (MA advisor).

Nick Wilgruber. OU Foundation Fellowship, Oklahoma University, \$12,000. 2012-2014 (MA advisor).

Chelsea Martin-Mikle. Green Infrastructure Site Location Decision Support Tool. NNEMS Fellowship, Environmental Protection Agency, \$30,000. 2012-2014 (MA co-advisor).

Chelsea Martin-Mikle, 2012. OU Foundation Fellowship, Oklahoma University, \$12,000. 2012-2014 (MA co-advisor).

TEACHING AND ADVISING

Courses at Texas State University

GEO 3434: Water Resources

GEO 3325: Geomorphology

GEO 5334: Applied Water Resources

GEO 7313: Environmental Systems Analysis

GEO 7393j: Soil & Society

GEO 7334: Geographic Aspects of Water

Courses at University of Oklahoma

GEOG 1114: Introduction to Physical Geography

GEOG 3023: Principles of Physical Geography

GEOG 3890/5990: Soil and Society

GEOG 4203/5203: Geomorphology

GEOG 5113: Quantitative Methods in Geographical Research

GEOG 5623: GIS Design Seminar

GEOG 6210: Large-scale Ecosystem Restoration

Invited Guest Lectures

Classic Readings in Ecology, Appalachian Laboratory, Univ. of Maryland Center for Environmental Science, 2007

Landscape Ecology, Appalachian Laboratory, Univ. of Maryland Center for Environmental Science, 2008

Forestry Harvest Planning, Forest Engineering, University of Canterbury, 2014

Students Advised or Co-advised at Texas State University

Jeanett Bosarge (MS)

Ioannis Kamarinas (PhD)

Graham Daly (PhD)

Kristen Newcomer (MS)

Grant Moss (MS)

Kurt Kreusel (MAG)

Mike Kraft (MAG)

Samantha Abbott (MS, 2016) – Project Manager at Texas Commission on Environmental Quality (TCEQ), Remediation Division

Matt Heinemann (MS, 2016) – Environmental Consultant

Students Advised or Co-advised at University of Oklahoma

Chelsea J. Martin-Mikle (MS, 2014) – Project Coordinator for the Glacier National Park - Blackfeet Project

- Co-advised with Dr. Kirsten de Beurs (Geography & Environmental Sustainability)

Nick Wilgruber (MS, 2014) – Lecturer at Northampton Community College

- Co-advised with Dr. Kirsten de Beurs (Geography & Environmental Sustainability)

Trung V. Tran (PhD, 2013) – Lecturer at Northern Kentucky University

- Co-advised with Dr. Kirsten de Beurs (Geography & Environmental Sustainability)

Rana N. Jawarneh (PhD, 2012) – Assistant Professor at Yarmouk University, Jordan

Sadiq Khan (PhD, 2011) – Associate Scientist at NOAA National Water Center

- Co-advised with Dr. Yang Hong (Civil Engineering & Environmental Sciences)

Sayed Moursi (Postdoc, 2010) – Associate Professor at Fayoum University

PRESENTATIONS TO PROFESSIONAL SOCIETIES AND INSTITUTES

Over 70 (3 invited); See Appendix at end of CV

INVITED ACADEMIC SEMINARS

Massey University, Institute of Agriculture & Environment, 2014

Lincoln University, Department of Environmental Management, 2014

National Institute of Water & Atmospheric Research (Hamilton, NZ), 2014

Virginia Tech University, Department of Forest Resources & Environmental Conservation, 2014

University of North Texas, Department of Geography, 2013

University of Oklahoma, Department of Geography & Environmental Sustainability, 2013

Texas State University, Geography Department, 2013

Horizons Regional Council (Palmerston North, NZ), 2012

Cawthron Institute (Nelson, NZ), 2012

University of Otago, Department of Zoology, 2012

University of Auckland, School of Environment, 2012

University of Waikato, Department of Biological Sciences, 2012
National Institute of Water & Atmospheric Research (Hamilton, NZ), 2012
University of Oklahoma, Geography Department, 2008
Oklahoma State University, Department of Natural Resource Ecology and Management, 2008
Chesapeake Bay Laboratory, University of Maryland Center for Environmental Science, 2008
Appalachian Laboratory, University of Maryland Center for Environmental Science, 2007
Horn Point Laboratory, University of Maryland Center for Environmental Science, 2007
University of North Carolina, Geography Department, 2007
Shippensburg University, Geography and Earth Science Department, 2007
East Carolina University, Geography Department, 2006

HONORS AND AWARDS

Alpha Chi Favorite Professor Award, Texas State University, 2016
Dean's Award for Excellence in Grant Funding, College of Liberal Arts, 2015
Achievement Award for Excellence in Scholarly/Creative Activity, College of Liberal Arts, 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

SERVICE

Professional

Co-editor of *Geomorphology* special issue (2016-2017)
Steering Committee of the Binghamton Geomorphology Symposium Series (2015-present)
Chair of the Southwest Division of the American Association of Geographers (2017)
Secretary of the Southwest Division of the American Association of Geographers (2016)
Treasurer of the Southwest Division of the Association of American Geographers (2014-2015)
Conference Session Chair and Organizer (8 total):

3. "Student Paper and Poster Competitions (4 sessions total)," Southwest Division of Association of American Geographers (SWAAG) Annual Meeting, San Antonio, TX, 2015.
2. "Land Change Science (3 sessions total)," Southwest and Great Plains-Rocky Mountain Associations of American Geographers (SWAAG-GPRM) Joint Annual Meeting, Albuquerque, NM, 2014.
1. "Landscape Controls on Ecosystem Processes," Annual Meeting of the Association of American Geographers, Washington DC, 2010.

Journal reviewer (42 total): The Professional Geographer (2); Journal of the American Water Resources Association (2); Geomorphology; Journal of Environmental Management; Earth Surface Processes and Landforms (3); Journal of the North American Benthological Society (2); Journal of Geophysical Research – Biogeosciences (2); Global Change Biology (2); Applied Geography (2); Ecology; Earth Interactions; Reviews in Engineering Geology; Remote Sensing (2); Environmental Science: Processes & Impacts; Freshwater Science (4);

Remote Sensing of Environment; Ecohydrology; Water Resources Research; Environmental Management (3); IEEE Transactions on Visualization and Computer Graphics; River Research & Applications; Ecological Engineering; Ecological Applications; Hydrological Processes; International Journal of Applied Earth Observation and Geoinformation; PLOS One; Social Sciences

Proposal reviewer (8 total): National Science Foundation (6); United States Geological Survey; American Association for the Advancement of Science

Panel reviewer: NASA

Member: Association of American Geographers (Geomorphology, Water Resources); American Geophysical Union (Hydrology, Biogeosciences); Ecological Society of America (Biogeosciences); Society for Freshwater Science (Environmental Impact/Assessment); International Association for Landscape Ecology

Texas State University (TXST), 2013-present

University Corporation for Atmospheric Research, Member Representative (2013-2015)

Faculty advisor for “Bobcat Stream Team” student organization

Graduate student Committee Member (5 PhD, 6 Masters)

TXST Department of Geography, 2013-present

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

Water Resources Major co-Advisor (2013-present)

Colloquium Coordinator (2014-present)

Water Conservation Endowed Chair Search Committee (2014-2015)

Political Geography Faculty Search Committee (2014)

Graduate Committee (2013-2014, 2016-present)

Geography Student Research Symposium (2013-2014, 2015-2016)

University of Oklahoma (OU), 2009-2013

Executive board for Kessler Atmospheric & Ecological Field Station

Graduate student Committee Member (14 PhD, 4 Masters)

OU Department of Geography & Environmental Sustainability, 2009-2013

Graduate Committee (2009-2013)

Colloquium Committee (2009-2013)

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

Department representative for new student orientation (2009-2012)

Remote Sensing Faculty Search Committee (2010)

John T. Snow Scholarship Selection Committee (2012)

Department representative for GIS Day (2012)

Media Coverage

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

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

Interview by U.S. Embassy in New Zealand,

<https://www.youtube.com/watch?v=pYBrK1O4UEQ&list=UUHdD1ujwX1fCB0CiamefSWA>: 05/30/2014

The Oklahoma Daily: 11/17/2009 (1A); 3/24/2011 (online)
The Norman Transcript: 11/18/2009 (A3); 11/19/2010 (A5); 3/22/2011(A2)
The Oklahoman: 11/19/2009 (15A)
National Public Radio, KGOU: 3/22/2011
OK News 9: 3/22/2011
OK NewsChannel 4, KFOR: 3/22/2011

Community Service

Invited speaker on Rivers, Watersheds, and the Water Cycle; Hernandez Elementary (2015-2016)

PRIVATE AND LEGAL CONSULTING (references available upon request)

River connectivity assessment for proposed dam removal, North Carolina (2014-2015)
Designated Waters of the U.S. assessment, Arizona (2014-2015)
Property boundary dispute involving river accretion vs. avulsion, Oklahoma (2011-2012)
Fluvial Geomorphology Assessment, Aiken, SC (2003-2004)

Appendix: PRESENTATIONS TO PROFESSIONAL SOCIETIES AND INSTITUTES

(** Invited)

de Beurs KM, Owsley BC, Julian JP. 2016. 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.

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

Kamarinas I, Julian JP. 2016. 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.

Julian JP, de Beurs KM, Owsley BC, Davies-Colley RJ. 2016. 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.

Daly G, Julian JP. 2016. 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.

Julian JP, de Beurs KM, Owsley BC, Davies-Colley RJ. 2016. Spatiotemporal Connections between Land Use and River Water Quality across 77 Catchments in New Zealand over 26 years. *Binghamton Geomorphology Symposium*, Fort Collins, CO.

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

Tran TV, de Beurs KM, Julian JP. 2016. Monitoring Forest Disturbances in Southeast Oklahoma using Landsat and MODIS Images. *American Association of Geographers*, San Francisco, CA.

- Julian JP, Kamarinas I, de Beurs KM, Owsley BC, Davies-Colley RJ. 2016. 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.
- Kamarinas I, Julian JP, Owsley BC, de Beurs KM. 2016. 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.
- Abbott SK, Julian JP, Kamarinas I, Dymond J. 2015. Effects of Land Use and Extreme Precipitation on Hillslope Erosion and Suspended Sediment Yields in the Manawatu River, New Zealand. *American Geophysical Union*, Fall Meeting, San Francisco, CA.
- Abbott SK, Julian JP, Kamarinas I, Dymond J. 2015. Effects of land use and extreme precipitation on hillslope erosion and suspended sediment yields in the Manawatu River, New Zealand. *Southwest Division of the Association of American Geographers*, San Antonio, TX.
- Kamarinas I, Julian JP. 2015. Mapping stream networks in New Zealand using climate, geology and source of flow. *Southwest Association of American Geographers*, San Antonio, TX.
- Julian JP, Kamarinas I, de Beurs KM, Owsley BC, Davies-Colley RJ. 2015. 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.
- Newcomer KB, Julian JP, Meitzen K. 2015. Historical riparian habitat changes of an endangered bird species: Interior Least Terns along the Red River below Denison Dam. *Southwest Division of the Association of American Geographers*, San Antonio, TX.
- Daly G, Julian JP. 2015. 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.
- Julian JP, Kamarinas I, de Beurs KM, Owsley BC, Hughes A. 2015. Shifting sediment runoff regimes in a New Zealand watershed resulting from land use and climate changes. *International Association of Landscape Ecology*, World Congress, Portland, OR.
- Julian JP, de Beurs KM, Owsley BC, Kamarinas I. 2015. Land Management Impacts on Water Quality in New Zealand across Political Boundaries. *NASA Carbon Cycle & Ecosystems Joint Science Workshop*, College Park, MD.
- Julian JP, Castro AJ, Vaughn CC, Atkinson CL. 2014. Effects of Drought and Water Resource Management on Biophysical and Sociocultural Ecosystem Services in South-Central United States. *American Geophysical Union*, Fall Meeting, San Francisco, CA.
- Owsley BC, de Beurs KM, Julian JP. 2014. A Unified Disturbance Analysis for Forests and Grasslands in New Zealand. *AGU Fall Meeting*, GC31A-0442, Wednesday December 17, 2014.
- Kamarinas I, Julian JP, Owsley BC, de Beurs KM, Hughes A. 2014. Assessing Landscape Connectivity and River Water Quality Changes Using an 8-day, 30-Meter Land Cover Dataset. *AGU Fall Meeting*, H31I-0755, Wednesday December 17, 2014.
- Abbott SK, Kamarinas I, Julian JP, Dymond J. 2014. Legacy Effects of Land Use and an Extreme Precipitation Event on River Sediment Loads in the Manawatu Catchment, New Zealand. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Owsley BC, de Beurs KM, Julian JP. 2014. A Unified Disturbance Analysis for Forests and Grasslands in New Zealand. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Kamarinas I, Julian JP, Owsley BC, de Beurs KM, Hughes A. 2014. Identifying Critical Source Areas of Sediment Runoff and their Effect on River Water Quality Using High-Resolution

- Spatio-Temporal Datasets. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Julian JP, Daly G, Dascher DD, Espinoza JY, Flores-Ortiz HW, Newcomer KB. 2014. Water Resources and Protected Areas in the South-Central United States. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Newcomer KB, Julian JP, Meitzen K. 2014. Spatiotemporal changes in Interior Least Tern sandbar habitat along the Red River below Denison Dam. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Daly G, Julian JP. 2014. Changing Ecosystem Services in the Fastest Growing City in the Nation. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Tran TV, de Beurs KM, Julian JP. 2014. Monitoring and Classifying Forest Disturbances in Southeastern Oklahoma from 2000 to 2011 using High Spatiotemporal Resolution Imagery. *Southwestern Association of American Geographers*, Albuquerque, NM.
- Castro AJ, Garcia-Llorente M, Vaughn CC, Julian JP, Martin-Mikle C. 2014. Ecosystem Services across Watersheds: A Systematic Review. *Society for Freshwater Science*, Joint Aquatic Sciences Meeting, Portland, OR.
- Wilgruber NA, Julian JP, de Beurs KM, Mayer PM. 2014. Land Cover Impacts on Stream Channel Loss in Central Oklahoma from 1874 to 2010. *Society for Freshwater Science*, Joint Aquatic Sciences Meeting, Portland, OR.
- Julian JP, de Beurs KM, Owsley BC, Kamarinas I. 2014. Land Management Impacts on Water Quality in New Zealand across Political Boundaries. *NASA Land Cover Land Use Change*, Spring Science Team Meeting, Rockville, MD.
- Owsley BC, de Beurs KM, Julian JP. 2014. A fused disturbance model for land management analysis in New Zealand. *Global Land Project*, 2nd Open Science Meeting, Berlin, Germany.
- Martin-Mikle CJ, de Beurs KM, Julian JP, Mayer PM. 2013. Development of a Tool for Siting Low Impact Development in Urban Watersheds. *American Geophysical Union*, Fall Meeting, San Francisco, CA.
- Julian JP, Owsley BC, de Beurs KM, Kamarinas I, Hughes A. 2013. Interactive effects of climate and weekly land cover changes on water quality patterns in a subtropical catchment in New Zealand. *American Geophysical Union*, Fall Meeting, San Francisco, CA.
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- Vaughn CC, Julian JP, Atkinson CL. 2013. "Modeling the Relationship between Mussel Ecosystem Services and Environmental Flows." *Society for Freshwater Science*, Jacksonville, FL.
- Martin-Mikle CJ, Wilgruber NA, de Beurs KM, Julian JP. 2013. "Riparian Buffer Siting Decision Support Tool for an Urban Watershed." *International Association of Landscape Ecology*, Annual Meeting, Austin, TX.
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- Tran TV, Julian JP, de Beurs K. 2012. "Effects of Landscape Characteristics on the Accuracy of Subpixel Classification." *Association of American Geographers*, Annual Meeting, New York, NY.
- Guinn SM, Fitzpatrick M, Julian JP, Elmore AJ. 2011. "Mapping Headwater Streams in the Potomac River Basin." *Maryland Water Monitoring Council*, 17th Annual Meeting, Baltimore, MD.
- Elmore AJ, Julian JP, Guinn SM, Weitzell R, Fitzpatrick MC. 2011. "A river runs under it: Modeling the distribution of streams and stream burial in large river basins." *American Geophysical Union*, Fall Meeting, San Francisco, CA.
- Vaughn CC, Julian JP, Atkinson CL. 2011. "Incorporating ecological costs and benefits into environmental flow recommendations: Ecosystem services provided by freshwater mussels." *Ecological Society of America*, Annual Meeting, Austin, TX.

- Julian JP, Elmore AJ, Guinn SM, Fitzpatrick M. 2011. "Where do streams really begin?: An ecoregion perspective in the Mid-Atlantic U.S." *Ecological Society of America*, Annual Meeting, Austin, TX.
- Vaughn CC, Julian JP, Atkinson CL, Allen DC. 2011. "How do we quantify ecosystem services provided by freshwater mussels?" *North American Benthological Society*, Annual Meeting, Providence, RI.
- Elmore AJ, Guinn SM, Julian JP, Weitzell R. 2011. "Headwater stream channel mapping and impact assessment in the Mid-Atlantic, USA." *Geological Society of America*, Northeastern and North-Central Joint Annual Meeting, Pittsburgh, PA.
- Jawarneh RN, Julian JP. 2011. "Environmental Influences on Past and Future Urban Development around Little Rock, Arkansas (USA) 1857-2050." *Association of American Geographers*, Annual Meeting, Seattle, WA.
- Tran TV, Julian JP. 2011. "A Subpixel Approach to Understand Land Cover Change in the Arkansas-Red River Basin." *Association of American Geographers*, Annual Meeting, Seattle, WA.
- Julian JP, Gardner RH. 2011. "Land Cover Influences on Watershed Runoff Patterns." *Association of American Geographers*, Annual Meeting, Seattle, WA.
- Julian JP. 2010. "Shedding light upon landscape controls on primary productivity in rivers." *Association of American Geographers*, Annual Meeting, Washington, DC.
- Julian JP. 2009. "Basin-scale consequences of agricultural land use on light availability and primary production in rivers." *Association of American Geographers*, Annual Meeting, Las Vegas, NV.
- Julian JP, Stanley EH, Doyle MW. 2008. "Benthic Light Availability Model (BLAM): Application to basin-scale gross primary productivity in rivers." *Ecological Society of America*, Annual Meeting, Milwaukee, WI.
- Julian JP, Doyle MW, Stanley EH. 2008. "Basin-scale hydrogeomorphic controls on riverine light availability." *Association of American Geographers*, Annual Meeting, Boston, MA.
- Gardner RH, Julian JP, Elmore A, Lookingbill T. 2008. "Assessing the Consequences of Land Use Change in the Upper Potomac." *Metropolitan Washington Council of Governments*, Potomac Monitoring Forum, Berkeley Springs, WV.
- Julian JP, Lookingbill T, Elmore A, Gardner RH. 2007. "Potomac River Ecosystem Project: Basin-scale controls on ecosystem processes." *Maryland Water Monitoring Council*, 13th Annual Meeting, Baltimore, MD.
- Julian JP. 2007. "How wide does my channel need to be?: Incorporating bank shear stress into natural channel design." *Canaan Valley Institute*, Mid-Atlantic Stream Restoration Conference, Cumberland, MD.
- Riggsbee JA, Julian JP, Doyle MW, Wetzel RG. 2007. "Dam Removal as River Restoration: Biological, Physical, and Chemical Responses." *River Restoration Northwest*, Stream Restoration Design Symposium, Stevenson, WA.
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- Riggsbee JA, Julian JP, Doyle MW, Wetzel RG. 2007. "Effects of Suspended Sediments on Downstream Biogeochemistry following Dam Removal." *North American Benthological Society*, 55th Annual Meeting, Columbia, SC.

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- Julian JP, Riggsbee JA, Doyle MW, Stanley EH, Zahn SE. 2006. "Hydro-geomorphic controls and anthropogenic influences on light availability in rivers." *Binghamton Geomorphology Symposium*, 37th International Meeting, Columbia, SC.
- Julian JP, Torres R. 2006. "Predicting Erosion Rates of Cohesive Riverbanks." *NC Stream Restoration Institute*, Southeast Regional Stream Restoration Conference, Charlotte, NC.
- Riggsbee JA, Julian JP, Doyle MW, Wetzel RG. 2006. "Sediment and nutrient fluxes following dam removal." *NC Stream Restoration Institute*, Southeast Regional Stream Restoration Conference, Charlotte, NC.
- Riggsbee JA, Doyle MW, Julian JP, Wetzel RG. 2005. "Channel Adjustment and Riparian Zone Recovery Following the Removal of a Low-Head Dam in North Carolina." *American Society of Civil Engineers*, Watershed Management Conference, Williamsburg, VA.
- Riggsbee JA, Wetzel RG, Doyle MW, Julian JP. 2005. "Floodplain, Wetland, and Channel Biogeochemical Relationships following Dam Removal on a Coastal Plain River." *Society of Wetland Scientists*, 26th Annual Meeting, Charleston, SC.
- Julian JP, Torres R. 2005. "Hydraulic Erosion of Cohesive Riverbanks in Response to Urban Runoff." *American Geophysical Union – North American Benthological Society*, Joint Assembly, New Orleans, LA.