

TEXAS STATE VITA

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Name:

Kimberly M. Meitzen

kmeitzen@txstate.edu

Title:

Assistant Professor
 Department of Geography
 Texas State University
 San Marcos, TX 78666-4616

B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>
Ph.D.	2011	University of South Carolina	Geography
Dissertation: <i>“Flood Processes, Forest Dynamics, and Disturbance in the Congaree River Floodplain, South Carolina”</i>			
M.S.	2006	University of South Carolina	Geography
Thesis: <i>“Development, Disturbance, and Maintenance: Process-Pattern Relationships in Riparian Environments, Congaree River, Congaree National Park, South Carolina”</i>			
B.A.	2003	University of Texas at Austin	Geography
Undergraduate Honors Thesis: <i>“Spatial and Textural Variability in Overbank Deposits in Response to a Large Flood Event, Lower Guadalupe River, Texas”</i>			

C. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Assistant Professor	Texas State University	Aug. 2013 – present
Post-Doctoral Research Associate Environmental Flows Fellow for The Nature Conservancy North Carolina Chapter	Duke University	Jan. 2012 – Jul. 2103
Research Assistant: South Carolina Applied Landscape Ecology Lab	University of South Carolina	Sept. 2010 – Dec. 2011
Instructor: Intro. Physical Geography	University of South Carolina	Jan. 2010 – May 2010
Instructor: Intro. Physical Geography	University of South Carolina	Sept. 2009 – Dec. 2009
Instructor: Intro. Physical Geography	University of South Carolina	Jan. 2009 – May 2009

Instructor: Intro. Physical Geography	University of South Carolina	Sept. 2008 – Dec. 2008
Research Assistant: River Research Group	University of South Carolina	Sept. 2007 – Aug. 2008
Research Assistant: South Carolina Applied Landscape Ecology Lab	University of South Carolina	Jan. 2007 – Sept. 2007
Lab Instructor: Landforms GEOG 201	University of South Carolina	Sept. 2006 – Dec. 2006
Research Assistant: River Research Group	University of South Carolina	May 2005 – May 2006
Research Assistant: Climate Research Lab	University of South Carolina	Sept. 2004 – May 2005
Research Assistant: Applied Geomorphology Lab	University of Texas at Austin	May 2002 – May 2004

D. Relevant Professional Experience

<i>Position</i>	<i>Entity</i>	<i>Dates</i>
Expert Witness	American Rivers, Inc., Coastal Conservation League, and Southern Environmental Law Center	Dec. 2009 – Dec. 2010
Geologic Technician	South Carolina Geological Survey	May. 2006 – Dec. 2010 (part-time, project-based)
Ecological Consultant	Earth and Ocean Sciences, University of South Carolina	Jun. 2006 - Nov. 2007 (part-time, project based)
GIS Technician	Army National Guard, McCrary Training Center, SC	Jan. 2005 – May 2005

II. SCHOLARLY/CREATIVE

A. Works in Print

1. Peer Reviewed Journal Articles:

Wohl, E., Brierley, G., Cadol, D., Coulthard, T.J., Covino, T., Fryers, K.A., Grant, G., Hilton, R.G., Lane, S.N., Magilligan, F.J., **Meitzen, K.M.**, Passalacqua, P., Poepl, R.E.,

Rathburn, S.L., Sklar, L.E. 2018 (In Press). Connectivity as an Emergent Property of Geomorphic Systems, *Earth Surface Processes and Landforms*, doi.org/10.1002/esp.4434

Meitzen, K.M. (PA), Kupfer, J.A., and Gao, P. 2018. *Modeling hydrologic connectivity and virtual fish movement across a large southeastern floodplain, USA*. *Aquatic Sciences*. 80:5 <https://doi.org/10.1007/s00027-017-0555-y>

Meitzen, K.M. (PA), 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.

Abbott, S.K., Julian, J.P., Kamarinas I., **Meitzen K.M.**, Fuller, I.C., McColl, S.T., 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.

Thoms, M.C., **Meitzen, K.M.**, Julian, J. P. Butler, D.B. 2018. Bio-geomorphology and resilience thinking: common ground and challenges. *Geomorphology* 305: 1-7.

Meitzen, K.M. 2017. *Applied Geomorphology*. In *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*, Eds. Marston, R.A. and Butler, D.R. Wiley-Blackwell, forthcoming.

Meitzen, K.M. (PA) 2016. *Streamflow changes across North Carolina from 1955-2012 with implications for environmental flow management*. *Geomorphology* 252: 171-184

Meitzen, K.M. (PA), Kupfer, J.A. 2015. *Abandoned meander forest development in a large alluvial southeastern floodplain, South Carolina, USA*. *River Systems* 21(2-3): 141-162.

Meitzen, K.M. (PA) 2015. *Geography*. In *Oxford Bibliographies in Environmental Science*. Ed. Ellen Wohl. New York: Oxford University Press, DOI:0.1093/obo/9780199363445-0037

Meitzen, K.M. (PA) 2014. A classic examination of fluvial processes and forest patterns: *Victor E. Shelford (1954) Some Lower Mississippi Valley Flood Plain Biotic Communities: Their Age and Elevation*. *Ecology* 35:2 126-142. *Progress in Physical Geography*. 38(6): 818-826. DOI: 10.1177/0309133314556925

Kupfer, J.A. (PA), **Meitzen, K.M.** and P. Gao. 2015. *Flooding and surface connectivity of Taxodium-Nyssa stands in a southern floodplain forest ecosystem*. *River Research and Applications* 31: 1299–1310. DOI: 10.1002/rra.2828

Meitzen, K.M. (PA), Doyle, M.W., Thoms, M.C., and C.E. Burns. 2013. *Geomorphology in the Interdisciplinary Context of Environmental Flows*. *Geomorphology*. 200: 143-154. <http://dx.doi.org/10.1016/>

Kupfer, J. A. (PA) , **Meitzen, K. M.**, and A. R. Pipkin. 2010. *Hydrogeomorphic controls of early post-logging successional pathways in a southern floodplain forest*. *Forest Ecology and Management*. 259: 1880 – 1889.

Meitzen, K. M. (PA) 2009. *Lateral Chanel Migration Effects on Riparian Forest Structure and Composition, Congaree River, South Carolina, USA*. *Wetlands* 29(2): 465 – 475.

Meitzen, K.M. (PA) 2005. *Overbank Flooding and Sedimentation Patterns in a Floodplain Environment, Lower Guadalupe River, Texas*. *University of Texas Undergraduate Research Journal* 4(1): 34 – 47.

2. Peer Reviewed Chapters in Books:

Julian, J.P., Podolak, C., **Meitzen, K.M.**, Doyle, M.D., Manners, R., Hester, E., Ensign, S., and Wilgruber, N. 2016. *Bio-Hydro-Geomorphic Connections in Stream Channels*, In *Stream Ecosystems in a Changing Environment*, Eds. Jones, J. and Stanley, E., London Academic Press, pp 85-133.

3. Reports:

Meitzen, K.M., Jensen, J., and Hardy, T. 2018. Floodplain inundation analysis of the lower Guadalupe River: linking hydrology and floodplain-dependent resources. Prepared for Texas Parks and Wildlife, final deliverable on grant no. 1448311791. 39 p.

Benner, R. (PA), Barnett, A., Sheldon, A.O., Hoenke, K., **Meitzen, K.M.**, and Fields, M. 2014. North Carolina's Freshwater Resilience. North Carolina Chapter of the Nature Conservancy, Field Office: Durham, NC.

Meitzen, K.M. (PA) 2013. The Nature Conservancy's Environmental Flows Project for North Carolina. Final Report for the North Carolina Chapter of the Nature Conservancy, Field Office: Durham, NC

Meitzen, K.M. (PA) 2010. Expert Report of Kimberly Meitzen for State of South Carolina Administrative Law Court. Docket No. 09-ALJ-07-0377-CC. Columbia, South Carolina.

Kupfer, J.A. (PA), **Meitzen, K.M.** and Graf, W.L. 2009. *Forest recovery and hydrologic modeling on new park lands*. Final Report for Project H5000030930, Congaree NP, Hopkins, SC.

Graf, W. L. (PA) and **Meitzen, K. M.** 2006. *Congaree floodplain decision support project: assessing the extent of river regulation effects on resources within and around Congaree National Park, Part II: Floodplain inundation modeling using HEC-RAS and GIS*. National Park Service. NPS/COSW/R5240050013.

4. Book Reviews:

Meitzen, K. M. 2017. Book Review of Texas Landscape Project: Nature and People. Lincoln, Nebraska: University of Nebraska. *Great Plains Research*. 27:2: 148-149.

5. Other Works in Print:

Meitzen, K.M. 2011. *Geologic Map of the Fort Jackson South 7.5 Minute Quadrangle, Richland and Calhoun Counties, South Carolina*, United States Geological Survey, Geologic Quadrangle Map Series 52.

Meitzen, K.M. 2010. *Geologic Map of the Southwest Columbia 7.5 Minute Quadrangle, Lexington, Richland, and Calhoun Counties, South Carolina*, United States Geological Survey, Geological Quadrangle Map Series 50.

Meitzen, K.M., Kupfer, J.A., and W.L. Graf. 2010. *Can one foot of relief really make that much of a difference?* Field trip guide for the 41st Annual Binghamton Geomorphology Symposium hosted by Geography Department, University of South Carolina Columbia.

SCDNR Publication, Mary Crockett and **Kimberly M. Meitzen**. 2010. Little Pee Dee Scenic River Water Trail Guide. South Carolina Department of Natural Resources (SCDNR), Columbia, South Carolina. Pp.65.

Meitzen, K.M., Howard, C.S., and Paul G. Nystrom, Jr. 2009. *Geologic Map of the Poinsett State Park 7.5 Minute Quadrangle, Sumter County, South Carolina*, United States Geological Survey, Geological Quadrangle Map Series 46.

SCDNR Publication, Mary Crockett and **Kimberly M. Meitzen**. 2009. Lynches Scenic River Water Trail Guide. South Carolina Department of Natural Resources (SCDNR), Columbia, South Carolina. Pp.95.

6. Other Manuscript Works not in Print:**Works “submitted” or “under review”**

Meitzen, K.M. *Under review, 2018. Floodplains. Earth Systems and Environmental Science.* Elsevier.

Works “in progress”

Dascher, E. and **Meitzen, K.M.** *In progress, 2018. An assessment of spatial and temporal trends in Texas dams.* For submission to Texas Water Journal.

Meitzen, K.M. *In progress, 2018. Legacy remnants of a forest of giants: Density and distribution patterns of selectively logged old-growth Taxodium distichum.* For submission to Forest Ecology and Management.

Meitzen, K.M. *In progress, 2018. Fish community patterns in wadeable streams of the Little Tennessee, Cape Fear, Roanoke, and Tar Rivers, North Carolina.* For submission to Journal of Biogeography or Southeast Naturalist.

Meitzen, K.M. and Doyle. *In progress, 2018. Impacts of dammed flows on the Cape Fear and Neuse Rivers in North Carolina.* Chapter being prepared for submission to book

on the US Army Corps of Engineers Dam Management. Eds. Martin Doyle, Amy Pickle, Kimberly Meitzen.

7. Papers and Abstracts Presented at Professional Meetings

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. United States International Association of Landscape Ecologists (USIALE), Chicago, Illinois.

Meitzen, K.M., Jensen, L.R.J., Hardy, T.B. 2016. Modeling floodplain inundation to evaluate Gar (*Lepisosteiformes*) habitat suitability in the lower Guadalupe River, USA. United States International Association of Landscape Ecologists (USIALE), Baltimore, Maryland.

Meitzen, K.M., Jensen, L.R.J., Hardy, T.B. 2016. Modeling floodplain inundation to evaluate Gar (*Lepisosteiformes*) habitat suitability in the lower Guadalupe River, USA. 112th Annual meeting of the American Association of Geographers (AAG), San Francisco, California.

Meitzen, K.M. 2015. *Reconstructing an Old-Growth Cypress Forest from Legacy Effects of Historic Logging*. US-International Association of Landscape Ecologists (USIALE), Portland, Oregon.

Meitzen, K.M. 2015. Legacy Effects of Historic Logging on Old-Growth Cypress Forests, Congaree National Park, South Carolina. 111th Annual meeting of the Association of American Geographers (AAG), Chicago, Illinois.

Meitzen, K.M., Kupfer, J.A., Gao, P. 2014. *Application of a 2D hydrodynamic flood model for quantifying river and floodplain process interactions*. Joint Aquatic Sciences Meeting, Portland Oregon.

Meitzen, K.M. 2014. *Streamflow changes across North Carolina from 1955-2012 with implications for environmental flow management*. 110th Annual meeting of the Association of American Geographers (AAG), Tampa, Florida. CD-ROM

Kupfer, J.A., **Meitzen, KM.** 2012. *Sensitivity of floodplain connectivity to variations in stream flow at Congaree National Park*. Riparian Ecosystems: Advancing Science, Economics and Policy. American Water Resources Association. Denver, CO.

Kupfer, J.A., **Meitzen, KM.** Gao, P. 2012. *Flooding and surface connectivity of abandoned channel water bodies in a southern floodplain forest system*. Annual Meeting of the Southeastern Division of the AAG, Asheville, NC

Kupfer, J.A., **Meitzen, KM.** 2012. *Modeling flood inundation and hydrologic connectivity across the Congaree River floodplain, Congaree National Park*. South Carolina Water Resources Conference Proceedings. Columbia, South Carolina

- Meitzen, K.M.,** Burns, C.A. 2012. *Flows as an indicator of ecosystem resilience – comparing historic, current, and future flows to identify resilient freshwater systems for conservation*, Society for Conservation Biologists North American Congress for Conservation Biology, Oakland, CA. CD-ROM
- Meitzen, K.M.** 2011. *Forest Dynamics of Abandoned Meander Wetlands in a Large Floodplain, South Carolina*, United States International Association of Landscape Ecology (US-IALE) 2011 Annual Symposium, Portland Oregon. CD-ROM
- Meitzen, K.M.** 2011. *Hydrogeomorphology and Vegetation Ecology of Abandoned Meander Wetlands in a Large Floodplain, South Carolina*, 107th Annual Meeting of the Association of American Geographers (AAG), Seattle, Washington. CD-ROM
- Meitzen, K.M.** 2010. *Hydrogeomorphic Heterogeneity of a Large Coastal Plain Floodplain, Congaree River, South Carolina*, 106th Annual Meeting of the Association of American Geographers (AAG), Washington DC. CD-ROM
- Kupfer, J.A., **Meitzen, KM.** 2009. Hydrogeomorphic controls of post-logging successional pathways in a southern floodplain forest. Binghamton Geomorphology Symposium, Blacksburg, VA. (refereed poster).
- Meitzen, K.M.** 2008. *Congaree floodplain decision support project: assessing the extent of river regulation effects on resources within and around Congaree National Park, South Carolina*, 104nd Annual Meeting of the Association of American Geographers (AAG), Boston, Massachusetts CD-ROM
- Meitzen, K.M.** 2008. *The Effects of Lateral Channel Migration Rates on Riparian Forest Structure and Composition, Congaree River, Congaree National Park, South Carolina*. Floodplain Ecosystem Symposium, Little Rock, Arkansas
- Meitzen, K.M.** 2007. *The hydrologic effects of Saluda Dam on downstream flows in the Lower Congaree River during the 1998-2002 drought*. Annual Meeting of the Southeastern Division of the AAG, Charleston, South Carolina
- Meitzen, K.M.** 2007. *Downstream Effects of Saluda Dam Flow Alterations on Congaree River Flows During the 1998-2002 Drought*. 38th Annual Binghamton Geomorphology Symposium, Durham, North Carolina
- Meitzen, K.M.** 2007. *Congaree River Floodplain Inundation Model: Developing a GIS-Based Decision Support System for Congaree National Park, South Carolina*. Digital Mapping Techniques (DMT) Meeting, Columbia, South Carolina.
- Meitzen, K.M.** 2006. *Development, Disturbance, and Maintenance: Process-Pattern Relationships in Riparian Environments, Congaree River, Congaree National Park, South Carolina*. 102nd Annual Meeting of the AAG, Chicago, Illinois. CD-ROM
- Meitzen, K.M.** Shelley, D.R. 2006. *Preliminary GIS Assessment of Near-Channel Floodplain Development, Congaree National Park, South Carolina*, 26th Annual International Wetland Meeting, Society of Wetland Scientists, Charleston, South Carolina

Meitzen, K.M. 2005. *Planform Channel Changes on the Congaree River, South Carolina, 1820-2001*. 101st Annual Meeting of the AAG, Denver, Colorado CD-ROM

Meitzen, K.M., Hudson P.F. 2004. *Spatial Variability in Flood Deposits, Lower Guadalupe River, Texas*. 100th Annual Meeting of the AAG, Philadelphia, Pennsylvania.

8. Invited Talks, Lectures, and Presentations:

2016: **Meitzen, K. M.** Cross-currents Colloquium Series, "Navigating the Confluence of Riverine Ecology, Conservation, and Policy," UNT- Geography and the Environment, University of North Texas, Denton, TX, United States. [Presentation]

2013: **Meitzen, K.M.** *Flood Processes, Forest Dynamics, and the Legacy of Historic Logging on the Congaree Floodplain*, colloquium presentation to the Department of Geography and the Environment, University of Texas at Austin, Austin, Texas [Presentation]

2013: **Meitzen, K.M.**, Doyle, M.D., Benner, R. *The Nature Conservancy's Environmental Flows Project for North Carolina: Final Report and Flow Recommendations*, presentation to the North Carolina Ecological Flows Science Advisory Board, Lake Jordan Education Center, Chapel Hill, North Carolina [Presentation]

2013: **Meitzen, K.M.**, Doyle, M.D., Benner, R. *The Nature Conservancy's Environmental Flows Project for North Carolina: Freshwater Resilience*, presentation to the North Carolina Ecological Flows Science Advisory Board, Lake Jordan Education Center, Chapel Hill, North Carolina [Presentation]

2012: **Meitzen, K.M.**, Doyle, M.D., Thoms, M.C., Burns, C.A. *Geomorphology in the Interdisciplinary Context of Environmental Flows*, 43rd Annual Binghamton Geomorphology Symposium, Jackson Hole, Wyoming [Presentation]

2012: **Meitzen, K.M.**, Doyle, M.D., Burns, C.A. *The Nature Conservancy's Environmental Flows Project for North Carolina: Study for Four River Basins*, presentation to the North Carolina Ecological Flows Science Advisory Board, Lake Jordan Education Center, Chapel Hill, North Carolina [Presentation]

2012: **Meitzen, K.M.** Environmental Flows Science and Policy, Nicholas School of the Environment, Duke University [Presentation]

2011: **Meitzen, K.M.** *Flood Processes, Forest Dynamics, and Disturbance in the Congaree River Floodplain, South Carolina*, dissertation presentation to Congaree National Park superintendent, resource managers, educational director, park ranger staff, and visitors. [Presentation]

2008: **Meitzen, K.M.** *Congaree Floodplain Decision Support Project Phase II: GIS Floodplain Inundation Modeling, Congaree National Park, South Carolina*. Congaree National Park Research Symposium, Columbia, South Carolina.

2008: **Meitzen, K.M.** *Development, Disturbance, and Maintenance: Process-Pattern Relationships in Riparian Environments, Congaree River, Congaree National Park, SC.* Congaree National Park Research Symposium, Columbia, South Carolina.

2008: **Meitzen, K.M.** *Modeling Floodplain Inundation for the Ecologically Sustainable Water Management of Congaree National Park*, Invited Speaker for the Southeastern Friends of the Pleistocene (SEFOP) Meeting, Columbia, SC [Presentation]

2007: **Meitzen, K.M.**, Graf, W.L. *Floodplain Decision Support Project: Flood Inundation Modeling of the Congaree River and Floodplain, Congaree National Park, South Carolina.* Ecologically Sustainable Water Management (ESWM) workshop, Columbia, South Carolina. [Presentation as part of a workshop]

2006: **Meitzen, K.M.** *Congaree River Floodplain Process and Forest Ecology, Congaree National Park.* Nature fest Event at Congaree National Park. [Presentation]

2006: **Meitzen, K.M.** Fluvial Geomorphology lecture: GEOG 201: Landforms, Geography Department, University of South Carolina [Presentation]

9. Workshops:

2017: North Atlantic Aquatic Connectivity Collaborative (NAACC) aquatic barrier assessment workshop, Panama Beach City, Florida

2014: Geography Faculty Development Alliance (GFDA) workshop. Workshop provides early career geography faculty with professional development opportunities aimed at helping provide successful guidance for teaching, research, and service.

2013-2014: Program in Excellence and Teaching and Learning. Professional development workshop sponsored by Academic Development and Assessment at Texas State University.

2012: Ecological Limits of Hydrologic Alteration workshop for Great Lakes regions of New York and Pennsylvania. Participant in stakeholder workshop for recommending environmental flows to the New York Department of Environmental Conservation, [participant].

2012: South Atlantic Landscape Conservation Cooperative (SALCC) Instream Flow Resource Workshop, Savannah Georgia, [presenter and participant].

2007-2008: Ecologically Sustainable Water Management Process for the Congaree and Saluda Rivers. Participant in multi-stakeholder workshop for recommending flows to the Federal Energy Regulatory Commission relicensing of Saluda Dam, South Carolina, [presenter and participant].

B. Grants and Contracts

1. Funded External Grants and Contracts:

2017: Graham Jessica, Meitzen Kimberly, Hoenke, Kat. *Assessment and prioritization of barriers in the upper Guadalupe River upstream from Canyon reservoir, TX – a pilot project*. Southeast Aquatic Resource Partnership, Texas Parks and Wildlife Department. Full award \$115,731.00, sub-award to TX State \$62,602.29.

2017: Julian, Jason P. (Principal), Butler, David R. (Co-Principal) Meitzen, Kimberly M. (Co Principal). *Resilience and Bio-Geomorphic Systems: The 48th Annual Binghamton Geomorphology Symposium*, National Science Foundation, Federal, \$39,250.00. Grant.

2015-2017: Texas Parks and Wildlife / Texas Water Development Board grant. *Floodplain inundation analysis of the lower Guadalupe River: linking hydrology and floodplain-dependent resources*. Thom Hardy (PI), Kimberly Meitzen (CO-PI), Jennifer Jensen (CO-PI). \$104,205.58

2010 -2013: US Department of the Interior, National Park Service. Climate change-induced changes in flow regime, floodplain inundation and species habitats at Congaree National Park. (J.A. Kupfer (PI), **K. M. Meitzen** (CO-PI), G. Carbone (CO-PI), D. Tufford (CO-PI)). \$310, 614.

2010: *Friends of Congaree Swamp Research Grant*, Friends of Congaree Swamp \$500

2010: *Society of Wetland Scientist Student Research Grant*, Society of Wetland Scientists \$500

2010: *Biogeography Specialty Group PhD Student Research Grant*, Biogeography Specialty Group of the Association of American Geographers \$700

2010: *Student Travel Grant*, Geography Department, University of South Carolina

2008: *Student Travel Grant*, Geography Department, University of South Carolina

2004-2006: US Department of the Interior National Park Service. Lateral channel migration patterns and forest response in near-channel riparian environment, Congaree National Park, South Carolina (PI: **K.M. Meitzen** and W.L. Graf) \$2,614

2. Funded Internal Grants and Contracts:

2017: **Meitzen, Kimberly M.** and Jammes, Suzon. *Study-In-America Program Development Grant*, Texas State University, Geography and Geology of the Southwest, \$3,000

2013: **Meitzen, Kimberly M.** (PI), *Research Enhancement Proposal*, Texas State University. Reconstructing an Old-Growth Cypress Forest from Legacy Effects of Historic Logging, \$8,000

C. Fellowships, Awards, Honors:

2014: *Favorite Professor Award of The Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society - Graduate Inductees*, Texas State University

2011: *NASA-MSU Professional Enhancement Award*, United States International Association of Landscape Ecology (US-IALE)

2009: *SPOT Award*, South Carolina Department of Natural Resources, Geological Survey

2008: *Paul E. Lovingood Research Excellence Award*, Geography, USC – Columbia

2006: *Reds Wolman Student Research Award*, Geomorphology Specialty Group of the Association of American Geographers

2003: *Undergraduate Excellence Award*, University of Texas, Geography

2003: *Erich Zimmerman, Holz-English Undergraduate Award*, University of Texas, Geography

III. TEACHING**A. Courses Taught:****Texas State University:**

GEOG 5334: Applied Water Resources

GEOG 5316/GEOG 7370: Graduate Seminar Topics Course: “Nature and Society Interactions in River Basin Management”, “Physical Geography of the Southwest Inter-Mountain Region”

GEOG7393: Rivers and Society

GEOG 5308: Regional Field Studies

GEOG 7308: Advanced Regional Field Studies

GEOG 4306: Geography of the Southwest

GEOG 4316: Landscape Biogeography

GEOG 4314: River Basin Management

GEOG 4325: Fluvial Processes

GEOG 3425: Geomorphology

GEOL 1420: Historical Geology

University of South Carolina at Columbia:

GEOG 104: Introductory Physical Geography

GEOG 201: Lab sessions for Landforms

B. Graduate Theses/Dissertations, Honors Theses, or Exit Committees:**PhD Committees:**

Year / Role

Student

University

Completed:

2012 External Thesis
Examiner

Rajendra J. Shilpaker

University of New England,
Armidale, Australia

2015 External Thesis Examiner	Rajesh Thapa	University of New England, Armidale, Australia
2017 Committee Member	John Wamsley	Texas State University (GEO)
2017 Chair	Erin Dascher	Texas State University (GEO)

In Progress:

2015 Committee Member	Ioannis Kamarinas	Texas State University (GEO)
2018 Chair	Aspen Manning	Texas State University (GEO)
2018 Chair	Tasnuva Uditia	Texas State University (GEO)

MS Committees:

<i>Year /Role</i>	<i>Student</i>	<i>University</i>
<u>Completed</u>		
2015 Committee Member	Rachel Cavin	Texas State University (GEO)
2016 Committee Member	Samantha Abbott	Texas State University (GEO)
2016 Committee Member	Jennifer Villa	Texas State University (GEO)
2016 Committee Member	Kristen Newcomer	Texas State University (GEO)
2016 Committee Member	Mathew Washburn	Texas State University (GEO)
2016 Chair	John Phillips	Texas State University (GEO)
2017 Chair	David Andresen	Texas State University (GEO)
2017 Committee Member	Grant Moss	Texas State University (GEO)
2018 Committee Member	Thomas Pesek	Texas State University (GEO)
2018 Chair	Aspen Manning	Texas State University (GEO)

In Progress

2015 Committee Member	Alison Tartar	Texas State University (BIO)
2017 Chair	Brittany Moore	Texas State University (GEO)

MAG Committees or Non-thesis:

<i>Year /Role</i>	<i>Student</i>	<i>University</i>
<u>Completed</u>		
2014 Chair	Elizabeth Wren	Texas State University (GEO)
2015 Chair	Jordan Adams	Texas State University (GEO)
2016 Chair	Colin Strickland	Texas State University (GEO)
2016 Committee Member	Colin Gordon	Texas State University (SOCI)
2018 Chair	Tasnuva Uditia	Texas State University (GEO)

In Progress

2016 Chair	Kyle Garmany	Texas State University (GEO)
2018 Chair	Sebastian Weinand	Texas State University (GEO)

Undergraduate Honors Thesis:

<i>Year/Role</i>	<i>Student</i>	<i>University</i>
<u>Completed</u>		
2016 Chair	Andrea Pinon	Texas State University (GEO)

IV. SERVICE**A. Institutional****1. University:**

Texas State University Stakeholder Representative for the Edwards Aquifer Habitat Conservation Plan (EAHCP), 2017 - present

2. Department/School:

Faculty Advisor, Coastal Conservation Association student group, 2017-present
 Faculty Advisor, Environmental Conservation Organization student group, 2015-present
 Committee Chair, Diversity Committee, 2017 - present
 Committee Member, Diversity Committee, 2016-present
 Committee Member, TX GSRS Committee, 2016-present
 Committee Member, Hiring search committee for Urban Geographer, 2015
 Committee Member, Evaluation Committee, Texas State University, 2015-present
 Committee Member, Hiring search committee for Water Conservation Chair, 2014-2015
 Committee Member, Hiring search committee for Climatologist position, 2014-2015
 Committee Member, Graduate Student Committee, Texas State University, 2013-2014 and 2014-2015
 Committee Member, Recruiting and Communications Committee, Texas State University, 2013-2014
 Vice President, Geography Graduate Student Association, Univ. of SC, 2008-2009
 Secretary, Geography Graduate Student Association, Univ. of SC, 2006-2007
 Secretary, Undergraduate Geographical Society, Univ. of TX, 2003-2004

B. Professional:

Book Review Editor, Geomorphology, Book Review Editor. (2016 - Present).

Manuscript Reviewer:

Journal of American Water Resources (2016 -present)
 River Research and Applications (2014 - Present)
 Geomorphology (2012 - present)
 The Southwestern Geographer (2014)
 Earth Surface Processes and Landforms (2013 - present)
 Ecological Applications (2012)
 Geography Compass (2012 - present)
 Southeastern Geographer (2009)

Book Proposal Reviewer:

Routledge (2016)
 Cambridge University Press (2009)

Organization Member:

Steering Committee of the Binghamton Geomorphology Symposium, present
 Association of American Geographers (AAG), present
 US International Association of Landscape Ecology (US-IALE), present

Organized Conference Fieldtrips:

2017: Organized and led a fieldtrip through the Texas Hill Country as part of the 48th Annual Binghamton Geomorphology Symposium hosted by Texas State University.

2010: Co-organized and led a fieldtrip to Congaree National Park, South Carolina for the 41st Annual Binghamton Geomorphology Symposium hosted by Geography Department, University of South Carolina Columbia, with Kupfer, J.A. and Graf, W.L.

2006: Co-organized and hosted a field trip stop along the Congaree River, South Carolina for the 37th Annual Binghamton Geomorphology Symposium hosted by the Geography Department, University of South Carolina Columbia, Graf, W.L. and 740 Grad. Seminar

C. Community:

2018- present: Member of the San Marcos Greenbelt Alliance

2017-present: Co-Chair, River Guardianship Committee, Mermaid Society SMTX

2017- present: Member of the San Marcos River Foundation

2014-present: Board Member of the San Marcos Runners Club (SMRC)

2005-2011: Annually participated and co-organized River Sweep trash clean-up events

2005-2011: Congaree National Park, South Carolina, assisted staff with citizen-scientist fieldtrips (hiking and kayaking) and data collection (butterfly, spider, and fish surveys)

2005: South Carolina ETV: co-hosted pilot nature show on Table Rock State Park and Jones Gap State Park, projected audience 5th-8th grade, South Carolina

2003: Living Lab: 5th grade outdoor ecological science labs Hornsby Bend waste-water treatment facility, Hornsby Elementary, Del Valle, Texas

2002: UT Enviroteering: 5th grade science labs, Riley Elementary School, Austin, Texas

D. Service Honors and Awards:

2016: *Outstanding Service Award*, Department of Geography, Texas State University