CURRICULUM VITAE

S. Mažeika Patricio Sulliván
Associate Professor and Assistant Director, School of Environment & Natural Resources
Director, Shiermeier Olentangy River Wetland Research Park
Distinguished University Teacher
The Ohio State University

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Twitter: @STRIVElab

EDUCATION

Ph.D., Natural Resources, 2004. School of Natural Resources, University of Vermont, Burlington, VT. Advisor, Dr. Mary C. Watzin; Dissertation, *Linking Fluvial Geomorphology and Biotic Condition in Vermont Streams and Rivers*.
M.S., Biology, 2000. Department of Biology, University of Vermont, Burlington, VT. Project Topic, *Stream Restoration in Agricultural Landscapes*.
B.A., Anthropology & Native American Studies, 1995. Anthropology Department, Dartmouth College, Hanover, NH. Phi Beta Kappa, Magna Cum Laude.

LANGUAGES

Lithuanian (native), Spanish (native), French (proficient), Italian (conversational).

EMPLOYMENT

Associate Professor. School of Environment and Natural Resources, The Ohio State University (OSU) (06/2014-present).
Director of the Shiermeier Olentangy River Wetland Research Park and Assistant Director of the School of Environment and Natural Resources, The Ohio State University (OSU) (06/2014-present).
Assistant Professor. School of Environment and Natural Resources, The Ohio State University (OSU) (09/2008-05/2014).
Research Scientist II – Stream and River Ecology. Department of Fish and Wildlife Resources, University of Idaho (UI) (09/2007-8/2008).
Postdoctoral Research Fellow – Stream-Riparian Ecology. Department of Fish and Wildlife Resources, University of Idaho (2005-2007).
Postdoctoral Research Associate – Watershed Ecology. Rubenstein Ecosystem Science Laboratory, University of Vermont (UVM) (2004-2005).
Graduate Research Assistant. School of Environment & Natural Resources, University of Vermont (01/03-05/04).
Graduate Research Assistant. School of Environment & Natural Resources, University of Vermont (01/02-12/02).

Research Assistant. School of Environment & Natural Resources, University of Vermont (06/01-08/02).
High School Teacher. VT, PR (1997-2001).
Athletic Coach (Varsity Track & Field, Soccer). VT (1999-2001).
Research Technician/Volunteer. Multiple seasonal field positions in aquatic and wildlife ecology in Mexico, Puerto Rico, Arizona, and Utah (1995-2000).

AWARDS & HONORS

Faculty Professional Research Leave (Puerto Rico), 2019-20
Fulbright Distinguished Chair in Biodiversity and Sustainable Development (Colombia), 2015-2016
STAR Student Supporter, CFAES Student Council, OSU, 2014
Induction into The Ohio State Academy of Teaching, OSU, 2014
Alumni Award for Distinguished Teaching, OSU, 2014
Selection to US EPA Science Advisory Panel for the "*Waters of the United States*", 2013-2014
Alumni Award for Distinguished Teaching, Semi-Finalist, OSU, 2012
Student-Athlete Faculty Recognition Honoree, OSU, 2011
Phi Beta Kappa, Dartmouth College, 1995
Mars-Milky Way All-American Student Athlete, 1991

SYNOPSIS OF KEY OUTPUTS

Graduate and Post-Doctoral Students*	#	**Publications & Presentations**	#
Current:		Journal Articles	54
Masters (thesis)	4	Book Chapters	4
Ph.D.	4	Conference Proceedings & other Scholarly Contributions	7
Post-docs	2	Scholarly Presentations	131
Completed:		Invited Talks & Seminars	49
Masters (thesis)	14		
MENR (project)	4	**Funding**	**~$**
Ph.D.	5	Federal	3,374,912
Post-docs	3	State and Local	3,536,057
Undergraduate Students	#	Internal (i.e., OARDC and OSU competitions/awards)	361,752
Undergrad. Projects/ Honors Research	8	Other (local, foundations, etc.)	108,325
Lab and Field Research Assistants Trained	40	*Total*	*7,381,046*

**I also serve/d on 10 Ph.D. Candidacy Examination Committees, 8 Ph.D. Dissertation Committees, and 22 Master's Thesis Committees.*

TEACHING ACTIVITIES

Courses taught: (SEM = under semester calendar; QU = under quarter calendar; * indicates total credits hours, otherwise listed as credit hours/student)

Number	**Title**	**Enrollment**	**Credit Hours**

Autumn 2001: University of Vermont			
NR 1 (TA)	Natural History & Field Ecology	40	4 (SEM)
Spring 2002: University of Vermont			
NR 2 (TA)	Nature & Culture	20	3 (SEM)
Autumn 2002: University of Vermont			
NR 105 (50% Taught)	Environmental Problem Analysis	40	1 (SEM)
Spring 2003: University of Vermont			
NR 105 (50% Taught)	Environmental Problem Analysis	40	1 (SEM)
Autumn 2004: University of Vermont			
WFB 279 (25% Taught)	Marine Ecology	50	3 (SEM)
Spring 2005: University of Vermont			
NR 205 (25% Taught)	Ecosystem Management	60	3 (SEM)
Autumn 2005: University of Idaho			
FISH 404 (50% Taught)	Floodplain Ecology	20	2 (SEM)
Spring 2006: University of Idaho			
FISH 530 (50% Taught)	Stream Ecology	17	3 (SEM)
Spring 2007: University of Idaho			
FISH 430 (50% Taught)	Ecology & Managem. of Riparian Sys.	27	3 (SEM)
Spring 2009: The Ohio State University			
ENR 622	Stream Ecology	23	5 (QU)
ENR 693	Directed Studies in Nat. Res.	1	2 (QU)*
Autumn 2009: The Ohio State University			
ENR 626	Methods in Aquatic Ecology	21	5 (QU)
ENR 689	Practicum in Natural Resources	1	4 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	1	4 (QU)*
Winter 2010: The Ohio State University			
ENR 693	Ind. Study in Nat. Res.	1	3 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	1	5 (QU)*
Spring 2010: The Ohio State University			
ENR 622	Stream Ecology	23	5 (QU)
ENR 693	Directed Studies in Nat. Res.	2	5 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	2	8 (QU)*
Autumn 2010: The Ohio State University			
ENR 626	Methods in Aquatic Ecology	21	5 (QU)
ENR 693	Directed Studies in Nat. Res.	2	8 (QU)*
ENR 689	Professional Practicum in Nat. Res.	1	4 (QU)*

Winter 2011: The Ohio State University			
ENR 693	Directed Studies in Nat. Res.	1	5 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	2	5 (QU)*
Spring 2011: The Ohio State University			
ENR 622	Stream Ecology	30	5 (QU)
ENR 693	Directed Studies in Nat. Res.	3	14 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	1	5 (QU)*
Summer 2011: The Ohio State University			
ENR 893	Advanced Ind. Study in Nat. Res.	2	8 (QU)*
Autumn 2011: The Ohio State University			
ENR 626	Methods in Aquatic Ecology	20	5 (QU)
ENR 693	Directed Studies in Nat. Res.	1	5 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	1	2 (QU)*
Winter 2012: The Ohio State University			
ENR 693	Directed Studies in Nat. Res.	1	5 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	1	2 (QU)*
Spring 2012: The Ohio State University			
ENR 622	Stream Ecology	42	5 (QU)
ENR 693	Directed Studies in Nat. Res.	1	5 (QU)*
ENR 893	Advanced Ind. Study in Nat. Res.	1	3 (QU)*
Autumn 2012: The Ohio State University			
ENR 5350.01	Taxonomy & Beh. of Aquatic Invert.	20	3 (SEM)
ENR 4193	Directed Studies in Nat. Res.	3	6 (SEM)*
ENR 6193	Advanced Ind. Study in Nat. Res.	1	3 (SEM)*
ENR 7888	MENR Project	1	1 (SEM)*
Spring 2013: The Ohio State University			
ENR 6193	Advanced Ind. Study in Nat. Res.	1	3 (SEM)*
ENR 7888	MENR Project	2	6 (SEM)*
Spring 2013: The Ohio State University			
ENR 7888	MENR Project	2	6 (SEM)*
Autumn 2013: The Ohio State University			
ENR 5280	Stream Ecology	63	4 (SEM)
ENR 7888	MENR Project	1	2 (SEM)*
Spring 2014: The Ohio State University			
ENR 7888	MENR Project	2	5 (SEM)*
Autumn 2014: The Ohio State University			
ENR 5350.01	Taxonomy & Beh. of Aquatic Invert.	22	3 (SEM)
ENR 7888	MENR Project	3	1 (SEM)*

Spring 2015: The Ohio State University

ENR 4999H	Honors Research	1	2 (SEM)*
ENR4998	Undergrad Research (Ind. Study)	1	1 (SEM)*

Autumn 2015: National University of Colombia, Bogotá

BIOL 2017532-1	Limnnología (Limnology)	20	4 (SEM)

Contributed guest lectures and laboratories.

Spring 2016: The Ohio State University

ENR 4999H	Honors Research	1	3 (SEM)*
ENR 7888	MENR Project	3	3 (SEM)*

Summer 2016: The Ohio State University

ENR 7888	MENR Project	3	3 (SEM)*

Autumn 2016: The Ohio State University

ENR 5350.01	Taxonomy & Beh. of Aquatic Invert.	20	3 (SEM)
ENR 8890.03	History, Ecol., & Sustain. of Rivers	13	2 (SEM)
ENR 4193	Undergrad Research (Ind. Study)	1	1 (SEM)*
ENR 7888	MENR Project	3	1 (SEM)*

Spring 2017: The Ohio State University

ENR 4999H	Honors Research	1	2 (SEM)*

Summer 2017: The Ohio State University

GRADSCH 4501	LSAMP Integrated Science Class (LSAMP = Louis Stokes Alliance for Minority Participation)	19	2 (SEM)
ENR 7888	MENR Project	3	1 (SEM)*

Autumn 2017: The Ohio State University

ENR 5280	Stream Ecology	34	4 (SEM)
ENR 4999H	Honors Research	1	2 (SEM)*
ENR 6193	Ind. Studies (Grad)	1	3 (SEM)*

Spring 2018: The Ohio State University

ENR 4999H	Honors Research	1	3 (SEM)*

Summer 2018: The Ohio State University

GRADSCH 4501	LSAMP Integrated Science Class (LSAMP = Louis Stokes Alliance for Minority Participation)	20	2 (SEM)
ENR 4193	Independent Study	1	3 (SEM)

Autumn 2018: The Ohio State University

ENR 5280	Stream Ecology	35	4 (SEM)
ENR 4998	Undergrad Research	1	2 (SEM)*
ENR 4999H	Honors Research	1	2 (SEM)*
ENR 6193	Ind. Studies (Grad)	1	3 (SEM)*

Spring 2019: The Ohio State University

ENR 4998	Undergrad Research	2	2 (SEM)*

Summer 2019: The Ohio State University

GRADSCH 4501	LSAMP Integrated Science Class (LSAMP = Louis Stokes Alliance for Minority Participation)	19	2 (SEM)

Autumn 2019: The Ohio State University

ENR 4999H	Honors Research	1	1 (SEM)*

Spring 2020: The Ohio State University

ENR 4999H	Honors Research	1	1 (SEM)*

I also consistently advise graduate students for research credits throughout the course of the year.

Courses Developed:

Ecology and Management of Riparian Systems (UI); Stream Ecology (OSU); Methods in Aquatic Ecology (OSU, redesigned existing course); Taxonomy and Behavior of Aquatic Invertebrates (OSU); History, Ecology, and Sustainability of Large Rivers (OSU); Integrated Water Science (OSU)

Curriculum Development:

Curriculum Revisions for Fisheries & Aquatic Sciences Option within the Forestry, Fish, and Wildlife Major, OSU. As part of the curriculum review and mapping process for the quarter to semester conversion, I took the lead in developing the new Fisheries and Aquatic Sciences curriculum.

High School Teaching Experience:

Montpelier HS, Montpelier, VT (1997-2001).

Taught grades 9-12 Spanish & Biology, including Advanced Placement classes. Developed programs, including curriculum for Advanced Placement programs. Instructed students (primarily juniors and seniors), planned and set up exchange programs and field trips (Carlos Escobar HS, Loiza, PR). Served as Department Head for two years.

Teaching & Outreach:

Along with members of my research group, the Stream and River Ecology (STRIVE) Lab, I regularly participate in numerous educational and service activities including guest lectures and educational programming on and off campus, training activities, and restoration and natural-history events (see "Outreach and Community Service").

STUDENT ADVISING

Undergraduate Academic Advisees (OSU):

I advise undergraduate students in the following majors: Environmental Science, Fisheries & Aquatic Sciences, and Wildlife and Fisheries Science:

~70 students graduated
15 current students

<u>Undergraduate Research, The Ohio State University</u>

Students Advised

Levon Bajakian. Honors: *Stress response of a common fish to changing urban stream temperatures*. OARDC SEEDS Undergraduate Research Grant/Award Recipient 2018. Graduated: 2018.

Brian Bush. Honors: *Effects of reintroduction of Bluebreast Darter on resident fish communities in the Licking River, Ohio.*

Jacquelyn Cole. Research Distinction: *Quantifying and analyzing eutrophication in a historical Ohio reservoir*. Graduated: 2015.

Brie Elking. Honors Thesis: *Associations of turbidity and smallmouth bass and creek chubs in the Scioto River Basin, Ohio.* SENR Honor's Scholarship Recipient 2010-2011. Graduated: 2011.

Katherine Harris. Research Distinction: *Responses of a common stream fish to temperature variability*. Graduated: 2017. SENR Honor's Scholarship and Sipp Wetland Research Award Recipient (2017). Graduated: 2017.

Daniel Lee. Summer Research Opportunity Program. Project: *Associations between fish communities and nutrient loading in Ohio streams.* Summer 2017.

Benjamin Rubinoff. Honors Thesis: *An urban migraine: the impact of light pollution on aquatic primary productivity*. SENR Honor's Scholarship and OSU Undergraduate Research & Creative Inquiry Grant (2015-2016). Graduated: 2016.

Ansley Watkins. LSAMP Undergraduate Summer Research Experience. *Harmful algal blooms in upper Ohio River basin.* Summer 2018.

Honor's Research Committee Member

James Palus. Honors Thesis: *The effects of N:P ratio on the occurrence of harmful algal blooms in Choctaw Lake, Ohio.* Graduated: 2015.

Krystal Pocock. Honors Thesis: *The role of taxonomic and functional macroinvertebrate diversity as indicators of nutrient pollution in Ohio streams*. Graduated: 2018.

Current Graduate Advisees (dissertation/thesis title, awards received; all OSU unless otherwise noted):

<u>Ph.D.</u>

Rebecca Czaja (co-advisor with L.M. Pintor). *Nutrient dynamics linked to trait-based food-web drivers in rivers.* Ohio State University Fellowship recipient.

Kristen Diesburg (Shearer). *Effects of riparian disturbance on reciprocal aquatic-terrestrial aquatic energy flows.* FAES Environmental Graduate Research Associateship recipient. *Post-candidacy.

Francisco Luque-Moreno. *Influences of nutrient variability on aquatic food webs: evidence from Ohio and Colombia*. Ohio State University Fellowship recipient.

Angélica Torres Bejarano. *Trophic relationships between stream and riparian forest communities in the Colombian Amazon*. National University of Colombia.

<u>M.Sc.</u>

Michael Gilboy. *Effects of artificial lighting at night on riparian wildlife.* Ohio State University Fellowship recipient and OARDC Associateship recipient.

Jeffry Hayes. *Bats and birds: consequences of land-use change for riparian aerial insectivores.*

R. Chase Novello (co-advisor with S.M. Gray). *Influences of artificial lighting at on fish vision.* Ohio State University Fellowship recipient and OARDC Associateship recipient.

Nayeli Sanchez. *Nutrient enrichment in streams and rivers.* Ohio State University Fellowship recipient.

Former Graduate Student Advisees (dissertation/thesis title; graduation date, university):

Ph.D.

Charles Goss (co-advisor with P.C. Goebel). *Forest fragmentation in agricultural landscapes: the influence of edge effects on riparian areas and headwater streams,* (05/14, The Ohio State University).

Breeanne Jackson. *The role of wildfire in shaping the structure and function of California 'Mediterranean' stream-riparian ecosystems in Yosemite National Park*. OARDC International Graduate Research Fellowship Recipient, (08/15, The Ohio State University).

Adam Kautza. *Consequences of landscape change on riverine food webs and aquatic-terrestrial linkages*, (12/14, The Ohio State University).

Leslie Rieck. *Fluvial geomorphology as a driver of stream-riparian food webs in an urban landscape (Columbus, OH Metropolitan Area).* FAES Environmental Graduate Research Fellowship Recipient, (08/19, The Ohio State University).

Paradzayi Tagwireyi. Fulbright Fellow – Zimbabwe. *Ant and spider dynamics in complex riverine landscapes of the Scioto River basin, Ohio: implications for riparian ecosystem structure and function*, (08/14, The Ohio State University).

M.Sc.

Jeremy Alberts. *Aquatic-to-terrestrial contaminant transfer in the Scioto River basin, Ohio*, (08/12, The Ohio State University).

Lindsey Boaz. *Influences of fluvial geomorphology on aquatic-to-terrestrial Hg transport: evidence from protected and urban streams of central Ohio, USA.* Ohio State University Fellowship Recipient, (05/15, The Ohio State University).

Danielle Cook (Vent). *Associations between riffles and aquatic biota following lowhead dam removal: implications for river fish conservation,* (08/15, The Ohio State University).

Joseph Corra. *Relationships between aerial insectivorous birds, urbanization, water quality, and climate*. Ohio State University Fellowship recipient and OARDC Associateship recipient, (05/19, The Ohio State University).

Robert Davis. *Monitoring fish-community contaminant burdens following lowhead dam removal in an urban river system.* FAES Environmental Graduate Research Associateship recipient, (05/17, The Ohio State University).

Alayna Dorobek. *Short-term consequences of lowhead-dam removal for fish community dynamics in an urban river system* (12/16, The Ohio State University).

Breeanne Jackson. *Wildfire in a wilderness watershed: implications for riparian plant communities and subsidies to stream food webs*, (12/09, University of Idaho).

Clarissa Lawlis (Bey). *Scale-dependent environmental influences on linked mussel-fish assemblages in Big Darby Creek*, OH, (12/13, The Ohio State University).

Adam Kautza. *Ecological and management implications of multi-scale environmental influences on stream fish assemblages: evidence from Ohio and Idaho, USA.* Olentangy River Wetland Research Park Sipp Award Recipient, (05/11, The Ohio State University).

Travonya Kenly. *Variability in invertebrate trophic networks along stream nutrient gradients*. Ohio State University Fellowship recipient, (08/18, The Ohio State University).

Alexander Masheter. *Short-term effects of lowhead dam removal on emergent aquatic insect communities in the Olentangy River, Ohio.* OARDC Associateship recipient, (08/18, The Ohio State University).
Matthew McFarland (co-advisor with A. Ward). *Effects of landscape change on stream equilibrium*, University Fellowship Recipient, (08/12, The Ohio State University).
Lars Meyer. *In light of energy: influences of light pollution on linked stream-riparian invertebrate communities*, (08/12, The Ohio State University).
Martha Zapata. *Aquatic-terrestrial trophic linkages across salinity gradients of a subtropical estuary.* Ohio State University Fellowship recipient and OARDC Associateship recipient, (05/18, The Ohio State University).

MENR (non-thesis track, project-based)
Benjamin Ellsesser. *Water quality and fish IBIs in urban and agricultural Ohio catchments* (12/17, The Ohio State University).
Nicholas Holomuzki. *Impacts of the invasive Phragmites australis on muskrat lodge placement within a Great Lakes coastal wetland*, (08/13, The Ohio State University).
Justin Loesch. *Using aquatic macroinvertebrates as an indicator of stream restoration success in an urban context*, (08/12, The Ohio State University).
Danielle Vent. *Captive propagation of rare and threatened stream fishes: challenges and next steps*, (05/14, The Ohio State University).

Graduate Committee Service at The Ohio State University (dissertation/thesis title; graduation date, if applicable; university - all OSU unless otherwise noted):

Ph.D., Candidacy Examination Committee Member
Antonio Bentivegna. Humorismo gráfico y militancia durante la guerra civil española: *La Ametralladora* y *L'Esquella de la Torratxa* (2017).
Lenin Dzibakwe Chari. *The roles of aerial predators in riparian cross-boundary trophic dynamics and their responses to the availability of subsidies: web-building spiders (Araneae: Araneidae), dragonflies (Odonata: Anisoptera) and damselflies (Odonata: Zygoptera) feeding on aquatic insects*. Rhodes University, Grahamstown, South Africa (2016).
Gabriel Colorado. *Ecology and conservation of montane forest birds in the Andes* (2010).
Darryl Marois. *Modelling of wetlands on a hierarchy of scales* (2015).
Katherine Martin. *Ecosystem dynamics in central Appalachian forests affected by Hemlock Woolly Adelgid* (2012).
Gregory Mutumi. *Using stable isotopes to trace the movements of ducks in southern Africa*. University of Cape Town, Cape Town, South Africa (2010).
Shibnath Pattadar. *Optimal aquaponics system for nutritionally enhanced fish and vegetable products.*
Tonya Lee Ramey. *An experimental test of factors limiting leaf litter mass loss and invertebrate assemblages in riparian zones of forested headwater streams.* University of British Columbia, Vancouver, B.C., Canada. (2019).
Ajay Singh. *Science policy, public participation, and climate change – effective development and use of scientific information in policy decision-making* (2014).
Sarah Sinnott. *Address forms in peninsular Spanish: convention and implicature* (2010).

Ph.D. Examination and Dissertation Committee Member
Amber Bellamy. *Role of aged allochthonous organic matter in aquatic food webs* (2017).

Jung-Cheng Huang. *Stream restoration in the US Midwest* (2010).
Stephen Coss. *Remote-sensing hydrology: developing river height and channel storage in Arctic rivers*.
Mael Glon. Phylogenetic revision of the devil crayfish (*Cambarus diogenes*) species complex.
Philip Gould. *Salamander nutrition in headwater streams.*
Laura Kearns. *Avian response to predator communities in fragmented, urbanizing landscapes* (2012).
Bong Joo Lee. *Effects of alternative food sources and feeding strategy on fish productivity and its nutritive value* (2013).
Alice Vossbrinck. *Quantifying the genetic diversity of native lady beetles (Coccinellidae) and the extent of direct competition sustained from exotic competitors*.

Masters Thesis Committee Member
Sara Adamczak. *Population demographics and stable-isotope evaluation of North American River Otters in Ohio* (2019).
Ian Ausprey. *Post-fledging ecology of songbirds across an urban-to-rural landscape gradient* (2010).
Amy Barrett. *Nutritional subsidies to freshwater mussel diet: a multi-isotope approach to understand large river mussels* (2015).
Elizabeth Berg. *The effect of hydrological restoration on nutrient concentrations, macroinvertebrate communities, and amphibian populations in Lake Erie coastal wetlands* (2018).
John Bowzer. *Evaluation of aquaculture techniques to improve viability and secure health of Ohio sport fish, Sunshine Bass (Morone chrysops x M. saxatilis) and Walleye Sander vitreus* (2010).
Alicia Brunner. *Seasonal changes in habitat utilization of a wintering migratory songbird in response to moisture and prey abundance* (2018).
Erin Cashion. *Avian use of riparian habitats and the conservation reserve program: Migratory stopover in agroecosystems* (2011).
Ellen Comes. *Short-term geomorphic responses to lowhead dam removal in two mid-sized urban rivers* (2016).
Keely Davidson-Bennett. *Water quality and nutrient dynamics in the Sugar Creek Watershed, northeastern Ohio* (2011).
Lyndsie Collis. *Influences of nitrogen and phosphorus availability on temperature dependence of stream ecosystem processes* (2018).
Dax Fisher-Garibay. *Social inequities and urban stream ecology*.
Lauren Hostert. *The role of individual variation in the consumption of non-native prey: implications for the evolution of diet specialization and biological invasions* (2014).
Benjamin Kahler. *The distribution of secretive marshbirds during the breeding season in Ohio: estimating through modelling approaches* (2013).
Sarah Kallio. *A study of Ohio agricultural ditch floodplains and their flooding frequencies* (2009).
Desiree Narango. *Variation in avian song attributes and male signal reliability along a rural-urban gradient* (2012).
Keith Norris. *Body mass dynamics, stopover durations, and habitat conditions for migrant shorebirds in the southwest Lake Erie marsh region* (2015).
Charles Parise. *Trophic dynamics of river otters.*
Krystal Pocock. *Interspecific trait variation in non-native and native crayfish.*

Keith Shane. *Movement ecology of Saugeye and Muskellunge in Alum Creek Reservoir, Ohio* (2018).
Aaron Skinner. *Eastern Whip-poor-will movement ecology.*
Paul Soltesz. *Large wood dynamics in central Appalachian hemlock headwater ravines* (2014).

Postdoctoral Advisees:

Jason Bohanek (06/2019 - present).
Carlos Cáceres (08/2018 - present).
Katie Hossler (04/2013 - 06/2015). Currently assistant professor at Wright State University, Dayton, Ohio.
David Manning (08/2015 - 08/2018). Currently assistant professor at University of Nebraska, Omaha, Nebraska.
Kay Stefanik (08/2015 - 06/2019). Currently Assistant Director of Iowa Nutrient Research Center, Ames, Iowa.

Undergraduate Student Clubs:

AFS Buckeye Subunit of the American Fisheries Society, founder and faculty advisor (2009-present).
Fish & Wildlife Society, co-advisor (2008-present).

PUBLICATIONS

Author order is in order of relative contribution (i.e., greatest to least); first author is corresponding author, unless otherwise noted. * indicates student and ^ indicates postdoc whom I directly supervised. For In Press and published articles, Thomson Reuters impact factors in parentheses following citation.

Peer-reviewed journal articles:

Submitted (or in advanced manuscript stage)

*Goss, C.W., Sullivan, S.M.P., and P.C. Goebel. Effects of land-cover transitions on emerging aquatic insects and environmental characteristics of headwater streams in an agricultural catchment. *River Research and Applications*.

*Zapata, M.J., and S.M.P. Sullivan. Aquatic primary productivity linked to nearshore spider trophic dynamics in a subtropical estuary. *Oikos.*

Ballash, G., Lee, S., Mollenkopf, D., Mathys, D., Albers, A., Sechrist, E., Feicht, S., Van Belen Rubio, J, Sullivan, S.M.P., Lee, J., and T. Wittum. Pulsed electric field application reduces carbapenem- and colistin-resistant microbiota and bla_{KPC} spread in urban wastewater. *Journal of Environmental Management.*

*Diesburg, K.M., Sullivan, S.M.P, and D.W.P. Manning. Stream-riparian trophic linkages respond to a terrestrial invader. *Biological Invasions.*

^Manning, D.W.P., and S.M.P. Sullivan (authors contributed equally). Water quality crosses aquatic-terrestrial boundaries: evidence from emergent insects and aerial insectivorous birds. *BioScience.*

*Dorobek, A.C., and S.M.P. Sullivan. Lowhead dam removal prompts short-term shifts in fish-centered food webs in a mid-size river system. *Journal of Applied Ecology*.

^Hossler, K., Sullivan, S.M.P., *Boaz, L.E., and K.L. Jaeger. Contrasting effects of hydrogeomorphology on mercury transport across stream-riparian boundaries. *Environmental Toxicology and Chemistry*.

Pending/In revision with journal

Sullivan, S.M.P., *Corra, J.W., and *J.T. Hayes. Urbanization mediates the effects of water quality and climate on a model aerial insectivorous bird. *Ecological Monographs*.

*Rieck, L.O., and S.M.P. Sullivan. Coupled fish-hydrogeomorphic responses to urbanization in streams of Columbus, Ohio, USA. *PLoS ONE.*

*Jackson, B.J, and S.M.P. Sullivan. Influence of wildfire severity on geomorphic features and riparian vegetation of forested streams of the Sierra Nevada, California, USA. *International Journal of Wildland Fire.*

Published

J54. Mutumi, G.L., Cumming, G.S., Sullivan, S.M.P. (corresponding author), Caron, A., and ^C. Cáceres. *In press*. Using a multi-isotope approach to inform waterfowl movement in southern Africa. *The Condor: Ornithological Applications.* (2.80)

J53. Sullivan, S.M.P., and ^D.W.P. Manning. 2019. Aquatic-terrestrial linkages as complex systems: insights and advances using network models. *Freshwater Science* **38**:936-945. (2.48)

J52. Sullivan, S.M.P., Rains, M.R., and A.D. Rodewald. 2019. The proposed change to the definition of "waters of the United States" flouts sounds science. *Proceedings of the National Academy of Sciences* **116**:11558–11561. (9.50)

J51. Carlson, A.K., Taylor, W.W., Kinnison, M.T., Sullivan, S.M.P., Weber, M.J., Melstrom, R.T., Venturelli, P.A., Wuellner, M.R., Newman, R.M., Hartman, K.J., Zydlewski, G.B., DeVries, D.D., Gray, S.M., Infante, D.M., Pegg, M.A., Harrell, R.M., and A.E. Todgham. 2019. Fisheries administrator perspectives on current and future threats to freshwater fisheries in the United States of America. *Fisheries* **44**: 276-287. (3.00)

J50. Colvin, S.A.R., Sullivan, S.M.P., Shirey, P.D., Colvin, R.W., Winemiller, K.O., Hughes, R.M., Fausch, K.D., Infante, D.M., Olden, J.D., Bestgen, K.R., Danehy, R.J., and L. Eby. 2019. Headwater streams and wetlands are critical for sustaining fish, fisheries, and ecosystem services. *Fisheries* **44**:74-91. (3.00)

J49. Santos, F., Wymore, A.S., *Jackson, B.K., Sullivan, S.M.P., McDowell, W.H., and A.A. Berhe. 2019. Fire severity, time since fire, and site-level characteristics influence streamwater chemistry at baseflow conditions in catchments of the Sierra Nevada, California. *Fire Ecology* **15**:3. (1.61)

J48. *Zapata, M.J., Sullivan, S.M.P, and S.M. Gray. 2019. Artificial lighting at night in estuaries – ecological implications from individuals to ecosystems (Selected as Editor's Choice). *Estuaries and Coasts* **42**:309-330. (2.18)

J47. *Zapata, M.J., and S.M.P. Sullivan. 2019. Spatial and seasonal variability of emergent aquatic insects in a subtropical estuary. *Marine and Freshwater Research* **70**:541-553. (1.67)

J46. *Diesburg, K.M., Sullivan, S.M.P, and D.W.P. Manning. 2019. Changes in stream benthic invertebrate communities of central Appalachian streams attributed to hemlock woolly adelgid invasion. *Aquatic Sciences* **81**:11. (3.62)

J45. Sullivan, S.M.P., ^Hossler, K. and *L.A. Meyer. 2019. Artificial lighting at night alters aquatic-riparian invertebrate food webs (Feature Article). *Ecological Applications* **29**:e01821. (4.39)

J44. *Cook, D.R., and S.M.P. Sullivan (corresponding author). 2018. Associations between riffle development and benthic macroinvertebrate and fish assemblages following lowhead dam removal. *Environmental Monitoring and Assessment* **190**:339. (1.69)

J43. Sullivan, S.M.P., and ^D.W.P. Manning, and *R.P. Davis. 2018. Do the impacts of dam removal extend across the aquatic-terrestrial boundary? *Ecosphere* **9**:e02180. 10.1002/ecs2.2180. (2.49)

J42. *Jackson, B.K., and S.M.P. Sullivan. 2018. Ecosystem size and flooding drive trophic dynamics of riparian spiders in a fire-prone Sierra Nevada river system. *Canadian Journal of Fisheries and Aquatic Sciences* **75**:308-318. (2.44)

J41. *Tagwireyi, P., Sullivan, S.M.P., and K. Zhao. 2017. Associations between riverine landscape patches and internal and external environmental determinants are scale-dependent: evidence from the Scioto River, USA. *Fundamental and Applied Limnology* **190**:235-249. (1.17)

J40. *Davis, R.P. Sullivan, S.M.P, and ^K. Stefanik. 2017. Reductions in fish-community contamination following lowhead dam removal linked more to shifts in food-web structure than sediment pollution. *Environmental Pollution* **231**:671-680. (5.10)

J39. Sullivan, S.M.P., and ^D.W.P. Manning. 2017. Seasonally distinct taxonomic and functional shifts in macroinvertebrate communities following dam removal. *PeerJ.* **5**:e3189; DOI 10.7717/peerj.3189. (2.18)

J38. Keeton, W.S., Copeland, E.C., Sullivan, S.M.P., and M.C. Watzin. 2017. Riparian forest structure and stream geomorphic condition: implications for flood resilience. *Canadian Journal of Forest Research* **47**:476-487. (1.68)

J37. Sullivan, S.M.P., *Boaz, L.E., and ^K. Hossler. 2016. Fluvial geomorphology and aquatic-to-terrestrial Hg export are weakly coupled in small urban streams of Columbus, Ohio. *Water Resources Research* **52**:2822-2839. (3.55)

J36. *Tagwireyi, P. and S.M.P. Sullivan (corresponding author). 2016. Riverine landscape patches influence trophic dynamics of riparian ants. *River Research and Applications* **32**: 1721-1729. (2.03)

J35. *Alberts, J.M., and S.M.P. Sullivan. 2016. Factors influencing aquatic-to-terrestrial contaminant transport to terrestrial arthropod consumers in a mid-size river system. *Environmental Pollution* **213**: 53-62. (4.84)

J34. *Kautza, A. and S.M.P. Sullivan. 2016. Anthropogenic and natural determinants of fish food-chain length in a mid-size river system. *Freshwater Science*. 35: 895-908. (1.42)

J33. *Kautza, A. and S.M.P. Sullivan. 2016. The energetic contributions of aquatic primary producers to terrestrial food webs in a mid-size river system. *Ecology*. **97**:694-705. (5.00)

J32. *Tagwireyi, P. and S.M.P. Sullivan. 2016. Distribution and trophic dynamics of riparian tetragnathid spiders in a large river system. *Marine and Freshwater Research.* **67**:309-318. (2.25)

J31. Čivas, L, Kesminas, V. and S.M.P. Sullivan. 2016. Influences of hydrogeomorphology and chemical water quality on fish assemblages in the Nevėžis River, Lithuania: implications for river basin management plans in the Baltics. *Environmental Monitoring & Assessment.* **188**:1-16. (1.68)

J30. *Kautza, A. and S.M.P. Sullivan. 2015. Shifts in reciprocal river-riparian arthropod fluxes along an urban-rural landscape gradient. *Freshwater Biology*. **60**:2156-2168. (2.91)

J29. Sullivan, S.M.P., ^Hossler, K., and C.M. Cianfrani. 2015. Ecosystem structure emerges as a strong determinant of food-chain length in linked stream-riparian ecosystems. *Ecosystems*. **18**:1356-1372. (3.53)

J28. *Kautza, A. and S.M.P. Sullivan. 2015. Spatially-dependent human alterations drive fish assemblage composition in a modified river system. *River Systems*. **21/2–3**: 93-108. (Science Citation Index not yet available.)

J27. *Jackson, B.K., and S.M.P. Sullivan. 2015. Responses of riparian tetragnathid spiders to wildfire in a Mediterranean-climate forest ecosystem of California, USA. *Freshwater Science*. **34(4)**:1542-1557. (1.42)

J26. *Tagwireyi, P. and S.M.P. Sullivan. 2015. Riverine landscape patch heterogeneity drives riparian ant assemblages in the Scioto River Basin, USA. *PLoS ONE* **10(4)***: e0124807.* DOI:10.1371/journal.pone.0124807. (3.23)

J25. *Dorobek, A.C., Sullivan, S.M.P., and A. Kautza. 2015. Short-term consequences of lowhead dam removal for fish assemblages in an urban river system. *River Systems*. **21/2–3**: 125-139. (Science Citation Index not yet available.)

J24. *Bey, C. and S.M.P. Sullivan. 2015. Associations between stream hydrogeomorphology and codependent mussel-fish assemblages: evidence from an Ohio, USA river system. *Aquatic Conservation: Marine and Freshwater Ecosystems* **25**: 555-568. (1.76)

J23. *Goss, C.W., P.C. Goebel, and S.M.P. Sullivan. 2014. Shifts along agricultural-forest transitions of two streams in central Ohio, USA. *Agriculture, Ecosystems, and Environment* **197**:106-117. (3.20)

J22. Rowse, L., A.D. Rodewald, and S.M.P. Sullivan. 2014. Pathways and consequences of contaminant flux to Acadian Flycatchers (*Empidonax virescens*) in urbanizing landscapes of Ohio, USA. *Science of the Total Environment* **485-486:** 461-467. (4.10)

J21. *Meyer, L.A., and S.M.P. Sullivan. 2013. Bright lights, big city: influences of ecological light pollution on reciprocal stream-riparian invertebrate fluxes. *Ecological Applications* **23**: 1322-1330. (4.13)

J20. *Alberts, J.M., Sullivan, S.M.P. and *A. Kautza. 2013. Riparian swallows as integrators of landscape change in a multiuse river system: implications for aquatic-to-terrestrial transfers of contaminants. *Science of the Total Environment* **463-464**: 42-50. (3.16)

J19. Sullivan, S.M.P. 2013. Stream food web d13C and geomorphology tightly coupled in mountain drainages of northern Idaho. *Freshwater Science* (formerly *JNABS*) **32**: 606-621. (1.42)

J18. Sullivan, S.M.P. 2012. Geomorphic-biotic relationships highly variable between headwater and network mountain streams of northern Idaho, USA. *Journal of the American Water Resources Association* **48**: 1221-1232. (1.96)

J17. *Kautza, A. and S.M.P. Sullivan. 2012. Using a process-based watershed-scale model for enhancing field-based stream assessments and predicting stream fish assemblages. *Aquatic Conservation: Marine and Freshwater Ecosystems* **22**: 511-525. (1.92)

J16. Cianfrani, C.M., Sullivan, S.M.P., Hession, C.W., and M.C. Watzin. 2012. A multitaxonomic approach to understanding local- versus watershed-scale influences on stream biota in the Lake Champlain Basin, Vermont. *River Research and Applications* **28**: 973-988. (2.43)

J15. Sullivan, S.M.P. and K.T. Vierling. 2012. Exploring the influences of multiscale environmental factors on the American dipper (*Cinclus mexicanus*). *Ecography* **35**: 624-636. (5.12)

J14. *Kautza, A. and S.M.P. Sullivan. 2012. Relative effects of local- and landscape-scale environmental factors on stream fish assemblages: evidence from Ohio and Idaho, USA. *Fundamental and Applied Limnology* **180**: 249-258. (1.19)

J13. *Jackson, B.J., Sullivan, S.M.P., and Malison, R. 2012. Wildfire severity mediates fluxes of plant material and terrestrial invertebrates to mountain streams. *Forest Ecology and Management* **278**: 27-34. (2.77)

J12. Sullivan, S.M.P. and A.D. Rodewald. 2012. In a state of flux: the energetic pathways that move contaminants from aquatic to terrestrial environments (Invited). *Environmental Toxicology and Chemistry **31***: 1-9. (2.62)

J11. Sullivan, S.M.P. and M.C. Watzin. 2010. Towards a functional understanding of the role of sediment aggradation on stream fish condition. *River Research and Applications* **26***:* 1298-1314. (1.82)

J10. Cianfrani, C.M., Sullivan, S.M.P., Hession, W.C., and M.C. Watzin. 2009. Mixed stream channel morphologies: implications for fish community diversity. *Aquatic Conservation: Marine and Freshwater Ecosystems* **19**: 147-156. (1.48)

J9. *Jackson, B.J. and S.M.P. Sullivan. 2009. Influence of wildfire severity on riparian plant community heterogeneity in an Idaho, U.S.A. wilderness. *Forest Ecology and Management* **259**: 24-32. (1.95)

J8. Sullivan, S.M.P. and K.T. Vierling. 2009. Experimental and ecological implications of evening bird surveys in stream-riparian ecosystems (Feature Article). *Environmental Management* **44**: 789-799. (1.41)

J7. Sullivan, S.M.P. and M.C. Watzin. 2009. Stream–floodplain connectivity and fish assemblage diversity in the Champlain Valley, Vermont, U.S.A. *Journal of Fish Biology* **74**: 1394-1418. (1.23)

J6. Sullivan, S.M.P., and M.C. Watzin. 2008. Relating stream physical habitat condition and concordance of biotic productivity across multiple taxa. *Canadian Journal of Fisheries and Aquatic Sciences* **65**: 2667–2677. (2.28)

J5. Braatne, J.H., Sullivan, S.M.P., and E. Chamberlain, E. 2007. Leaf decomposition and stream macroinvertebrate colonization of Japanese Knotweed, an invasive plant species. *International Review of Hydrobiology* **92**(6): 656-665. (1.06)

J4. Sullivan, S.M.P., Watzin, M.C, and W.S. Keeton. 2007. A riverscape perspective on habitat associations among riverine bird assemblages in the Lake Champlain Basin, USA. *Landscape Ecology* **22**: 1169-1186. (2.06)

J3. Sullivan, S.M.P., Watzin, M.C. and W.C. Hession. 2006. Influence of geomorphic condition on stream fish communities in Vermont, USA. *Freshwater Biology* **51**: 1811-1826. (2.50)

J2. Sullivan, S.M.P., Watzin, M.C. and W.C. Hession. 2006. Differences in the reproductive ecology of belted kingfishers (*Ceryle alcyon*) across streams with varying geomorphology and habitat quality. *Waterbirds: The International Journal of Waterbird Biology* **29**(3): 258-270. (0.48)

J1. Sullivan, S.M.P., Watzin, M.C. and W.C. Hession. 2004. Understanding stream geomorphic state in relation to ecological integrity: evidence using habitat assessments and macroinvertebrates. *Environmental Management* **34**(5): 669-683. (0.91)

Book Chapters:

BC4. Sullivan, S.M.P. and D.A. Cristol. *In press.* Ecological networks as a framework for understanding and predicting contaminant movement across the land-water interface. Pages XX-XX *in* Contaminants and ecological subsidies at the land-water interface".

BC3. Sullivan, SMP, Manning, D.W.P, St Jacques, J.-M., and R. Moncayo-Estrada. 2019. Multiple stressors in North America: perspectives for the New World. Pages 157-178 *in*: "Multiple stressors in river ecosystems: status, impacts, and prospects for the future", Elosegi, A., S. Sabater, and R. Ludwig (eds). Academic Press (Elsevier), Amsterdam.

BC2. Vierling, K.T. and S.M.P. Sullivan. 2018. Ecosystem and landscape management and planning. Pages 853-881 *in*: "Ornithology: Foundation, Critique, and Application", eds. Morrison, M.L., Rodewald, A.D., Voelker, G., Colón, M.R. and J. Prather. Johns Hopkins University Press, Maryland.

BC1. *Jackson, B.J., Sullivan, S.M.P., Baxter, C.V., and R. Malison. 2015. Stream-riparian ecosystems and mixed- and high-severity fire. Pages 118-148 *in*: "The ecological importance of mixed-severity fires: nature's Phoenix", eds. DellaSala, D.A. and C.T. Hanson. Elsevier, Amsterdam.

Conference Proceedings and Other Scholarly Contributions:

CPSC7. Sullivan, S.M.P., Rains, M.C., Rodewald, A.D., Ali, G., Rosi, E., Fausch, K.D., Tank, J.L., Brooks, R.P., Gooseff, M.N., Fennessy, M.S. Murphy, M.T., Meyer, J.L., and Allan, J.D., and H.M. Valett. 2020. Input on Science Advisory Board Commentary on the Proposed Rule Defining the Scope of Waters Federally Regulated Under the Clean Water Act (10/16/19) – "Commentary on Revised Definition of 'Waters of the United States' **(84 FR 4154)**".

CPSC6. Sullivan, S.M.P., Rains, M.C., Rodewald, A.D., Ali, G., Rosi, E., Fausch, K.D., Tank, J.L., Brooks, R.P., Gooseff, M.N., Fennessy, M.S. Murphy, M.T., Meyer, J.L., and J.D. Allan. 2019. Comment Letter to Federal Register on Revised Definition of "Waters of the United States" (84 FR 4154; Docket ID No. EPA-HQ-OW-2018-0149).

CPSC5. Rodewald, A.D., Aldous, A., Ali, G., Allan, J.A., Benda, L., Bernhardt, E.D., Brooks, R.P., Fausch, K., Fennessy, M.S., Gooseff, M., Harvey, J. Hawkins, C., Johnson, L., Josselyn, M., Kalin, L., Kolm, K., Meyer, J., Murphy, M., Patten, D., Rains, M., Reddy, R., Rosi-Marshall, E., Stanford, J., Sullivan, S.M.P., Tank, J.L., Valett, M., and W. Whol. 2014. Letter to Gina McCarthy. October 17, 2014. SAB Review of the Draft EPA Report Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis of the Scientific Evidence. U.S. Environmental Protection Agency, Washington D.C., USA.

CPSC4. Sullivan, S.M.P., and B. Joseph. 2010. Learning from the past: An ecolinguistic approach to reconstructing and predicting biocomplexity in Lithuanian watersheds. Societas Linguistica Europaea 43rd Annual Meeting Book of Abstracts. Vilnius, Lithuania. Vilniaus Universiteto Leidykla. (September):1-233.

CPSC3. Cianfrani, C.M., Sullivan, S.M.P., Hession, W.C. and M.C. Watzin. 2006. Effects of land use, physical habitat type, and stream geomorphology at multiple spatial scales on fish community diversity. *Eos Transactions*, *AGU*. 87(36), Joint Assembly Supplement, Abstract H51B-02.

CPSC2. Cianfrani, C.M., Hession, W.C., Watzin, M.C., and S.M.P. Sullivan. 2005. Linking stream geomorphology, watershed condition, and aquatic ecosystem health. In G.E. Moglen (editor), *Managing watersheds for human and natural impacts: engineering, ecological, and economic challenges*. Proceedings of the 2005 Watershed Management Conference, July 19-22, 2005, Williamsburg, VA. American Society of Civil Engineers, Reston, VA (CD-ROM).

CPSC1. Hession, W.C., Watzin, M.C., Cianfrani, C.M., and S.M.P. Sullivan. 2005. Linking watershed land use, stream geomorphology, and aquatic biodiversity in a hierarchical classification scheme. *Eos Transactions*, *AGU*. 86(18), Joint Assembly Supplement, Abstract B52A-04.

SCHOLARLY PRESENTATIONS

P131. Zimmerman, B.J., Sullivan, S.M.P., and J. Applegate. Conservation and restoration of Ohio wetland and glacial-lake fishers. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2019. Columbus, OH *and* Southeastern Fishes Council Annual Meeting, Nov. 2019. Knoxville, TN.

P130. *Hayes, J.T. and S.M.P. Sullivan. Beyond the water's edge: interactive effects of land use and water quality on community dynamics of aerial insectivorous birds. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2019. Columbus, OH.

P129. Winters, D.B., and S.M.P. Sullivan, S.M.P. Watershed conservation in agricultural lands under the proposed WOTUS rule. American Fisheries Society and The Wildlife Society Joint Annual Meeting, Sept-October 2019. Reno, NV.

P128. Malison, R.L., Harris, H., Schenk, M., *Jackson, B.J., Minshall, G.W., Sullivan, S.M.P, and C.W. Baxter. Resilience of linked stream-riparian organisms to high-severity wildfire in Idaho's Salmon River Basin. American Fisheries Society and The Wildlife Society Joint Annual Meeting, Sept-October 2019. Reno, NV.

P127. ^Manning, D.W.P., and S.M.P. Sullivan. Shifts in post-dam removal fish communities and body size reduce community-level nutrient excretion rates. Oral. Ecological Society of America Annual Meeting, August 2019. Louisville, KY.

P126. ^Stefanik, K.C., and S.M.P Sullivan. Effects of interactions between land use and stream geomorphic features on nutrient loadings. Oral. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P125. *Diesburg, K.M, Sullivan, S.M.P, and ^D.W.P. Manning. Stream-riparian trophic linkage response to a terrestrial invader. Poster. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P124. ^Cáceres, C., Sullivan, S.M.P, and *A. Kautza. Variability in fish-assemblage trophic structure across physicochemical gradients in the Scioto River, Ohio. Poster. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P123. *Czaja, R.A., Sullivan, S.M.P, ^Stefanik, K.C., and L.M. Pintor. Environmental and biotic drivers of food-web structure in Ohio streams. Poster. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P122. *Novello, R.C., and S.M.P. Sullivan. How does artificial lighting at night (ALAN) influence stream ecosystem metabolism? Poster. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P121. *Sanchez, N.K., Sullivan, S.M.P., ^Cáceres, C., ^Stefanik, K.C., and L.M. Pintor. How do multiple stressors influence riverine algal communities and toxin production? Poster. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P120. *Rieck, L.O. and S.M.P. Sullivan. Urban stream geomorphic characteristics influence aquatic-to-terrestrial subsidies and food-web structure. Oral. Society for Freshwater Science Annual Meeting, May 2019. Salt Lake City, UT.

P119. Sullivan, S.M.P. Minimizing risk and maximizing impact in international research. ASLO 2019 Aquatic Sciences Meeting, Feb. 2019. Oral. San Juan, PR.

P118. Sullivan, S.M.P., ^Hossler, K., *Meyer, L.A., and B.G. Rubinoff*. Artificial lighting at night alters food webs and ecosystem functions in aquatic-riparian systems. ASLO 2019 Aquatic Sciences Meeting, Feb. 2019. Oral. San Juan, PR.

P117. Sullivan, S.M.P. Aquatic ecosystem conservation. Midwest Fish and Wildlife Conference, Jan. 2019. Oral. Cleveland, OH.

P116. Adamczak, S., Wiley, A., Sullivan, S.M.P., and S. Gehrt. Using stable isotope analysis to evaluate the diet of the North American river otter throughout Ohio. Midwest Fish and Wildlife Conference, Jan. 2019. Oral. Cleveland, OH.

P115. Zimmerman, B.J. and S.M.P. Sullivan. Successful translocation of Bluebreast Darters: a case study from the upper Licking River, Ohio. Midwest Fish and Wildlife Conference, Jan. 2019. Oral. Cleveland, OH.

P114. Zimmerman, B.J. and S.M.P. Sullivan. Successful translocation of Bluebreast Darters: a case study from the upper Licking River, Ohio. Oral. Southeastern Fishes Council Annual Meeting, Nov. 2018. McCormick, SC.

P113. *Rieck, L.O. and S.M.P. Sullivan. Hydrogeomorphic characteristics alter aquatic insect drift community composition and abundance. Oral. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P112. ^Manning, D.W.P., and S.M.P. Sullivan. Declines in aerial insectivorous birds linked to national trends in water quality. Oral. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P111. *Kenly, T., S.M.P Sullivan, and ^K.C. Stefanik. Variability in invertebrate trophic networks along stream nutrient gradients. Poster. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P110. ^Stefanik, K.C., S.M.P Sullivan, L.M. Pintor, and K. Zhao. Relationships between physical and chemical water quality across land uses of southern Ohio. Poster. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P109. *Bajakian, L.E., *Symonds, D.E., and S.M.P. Sullivan. Stress response of a common stream fish to changing water temperatures. Poster. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P108. *Diesburg, K.M., S.M.P. Sullivan, and ^D.W.P. Manning. Stream macroinvertebrate communities respond to hemlock decline. Poster. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P107. *Corra, J.W., and S.M.P. Sullivan. Aerial insectivorous birds: conservation across the land-water interface. Oral. Society for Freshwater Science Annual Meeting, May 2018. Detroit, MI.

P106. *Bajakian, L.E., *Symonds, D.E., and S.M.P. Sullivan. Stress response of a common stream fish to changing water temperatures. Poster. Denman Undergraduate Research Form, OSU, April 2018. Columbus, OH.

P105. Zimmerman, B.J, *Symonds, D.E., and S.M.P. Sullivan. Translocation of Bluebreast Darters into the Upper Licking River, Ohio: Evidence of Survival and Reproduction. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2017. Columbus, OH.

P104. *Harris, K.K., *Symonds, D.E., and S.M.P. Sullivan stress response of a common stream fish to temperature variability. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2017. Columbus, OH.

P103. *Corra, J.W., and S.M.P. Sullivan. Aerial insectivorous birds: conservation across the aquatic-terrestrial boundary. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2017. Columbus, OH.

P102. *Lee, D.R., Sullivan, S.M.P., and ^K.C. Stefanik. Associations between fish communities and nutrient loading in Ohio streams. Poster. SROP Research Conference, July 2017, Columbus, OH.

P101. *Rieck, L.O. And S.M.P. Sullivan. Hydrogeomorphic alterations impact fish assemblage structure and function in urban streams. Oral. Society for Freshwater Science Annual Meeting, June 2017. Raleigh, NC.

P100. *Zapata, M.J. and S.M.P. Sullivan. Seasonality of an aquatic-terrestrial linkage in a subtropical estuary. Oral. Society of Freshwater Science Annual Meeting, June 2017. Raleigh, NC.

P99. *Diesburg, K.M., ^D.W.P. Manning, and S.M.P. Sullivan. How does hemlock woolly adelgid invasion affect riparian consumer trophic dynamics? Oral. Society for Freshwater Science Annual Meeting, June 2017, Raleigh, NC.

P98. ^Stefanik, K.C., S.M.P Sullivan, L.M. Pintor, and K. Zhao. Variability in sources and fates of nitrogen and phosphorus in catchments of the Ohio River basin. Oral. Society of Freshwater Science Annual Meeting, June 2017. Raleigh, NC.

P97. *Corra, J.W. and S.M.P. Sullivan. Linking water quality and Tree Swallow populations across an urban-forested landscape gradient. Poster. Society for Freshwater Science Annual Meeting, June 2017. Raleigh, NC.

P96. *Rieck, L.O. And S.M.P. Sullivan. Coupled hydrogeomorphic-fish assemblage responses in urban streams. Poster. Symposium on Urbanization and Stream Ecology, June 2017. Browns Summit, NC.

P95. ^Stefanik, K.C., S.M.P Sullivan, L.M. Pintor, and K. Zhao. Nitrogen and phosphorus dynamics in a mixed-use Ohio watershed. Poster. 4th Symposium on Urbanization and Stream Ecology, June 2017. Browns Summit, NC.

P94. *Diesburg, K.M. and S.M.P. Sullivan. Invasive honeysuckle alters trophic linkages across the aquatic-terrestrial boundary. Poster. 4th Symposium on Urbanization and Stream Ecology, May 2017, Browns Summit, NC.

P93. ^Manning, D.W.P. and S.M.P. Sullivan. Decreased relative abundance of emergent macroinvertebrates in urban watersheds of the United States. Poster. 4th Symposium on Urban Stream Ecology, June 2017. Browns Summit, NC.

P92. Applegate, J., Zimmerman, B., Sullivan, S.M.P., and J. Navarro. Conservation and restoration of Ohio wetland and glacial-lake fishes. Ohio River Basin Fish Habitat Partnership Meeting, May 2017, Lexington, KY.

P91. *Zapata, M.J. and S.M.P. Sullivan. Aquatic insect emergence across an estuarine gradient. Benthic Ecology Meeting 2017, April 2017, Myrtle Beach and Conway, SC.

P90. *Lawlis, C., Sullivan, S.M.P., and *D.E. Symonds. Scale-dependent environmental factors influence freshwater mussel assemblages in an Ohio river system. Freshwater Mollusks Conservation Society Symposium, March 2017. Cleveland, OH.

P89. *Symonds, D.E., Zimmerman, B.J, and S.M.P. Sullivan. Translocation of Bluebreast Darters into an Ohio river. OH-IN Joint AFS Chapter Meeting, Feb. 2017. Muncie, IN.

P88. *Symonds, D.E., Zimmerman, B.J, and S.M.P. Sullivan. Translocation of Bluebreast Darters to the Upper Licking River, Ohio: initial steps. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2016. Columbus, OH.

P87. Zimmerman, B.J., Sullivan, S.M.P, and J. Applegate. Conservation and restoration of Ohio wetland and glacial-lake fishes. Ohio Biodiversity Conservation Partnership Annual Meeting, Nov. 2016. Columbus, OH.

P86. *Symonds, D.E., Zimmerman, B.J, and S.M.P. Sullivan. Translocation of Bluebreast Darters to the Upper Licking River, Ohio: initial steps. Southeastern Fishes Council Annual Meeting, Nov. 2016. Jackson, MS.

P85. Zimmerman, B.J., Sullivan, S.M.P, and J. Applegate. Conservation and restoration of Ohio wetland and glacial-lake fishes. Southeastern Fishes Council Annual Meeting, Nov. 2016. Jackson, MS.

P84. ^Manning, D.W.P. and S.M.P. Sullivan. Benthic macroinvertebrate community responses to multiple stressors associated with dam removal. Oral. Society for Freshwater Science Annual Meeting, May 2016. Sacramento, CA.

P83. *Zapata, M.J. and S.M.P. Sullivan. Seasonal variability of aquatic-terrestrial food-web linkages in a subtropical estuarine system. Oral. Society for Freshwater Science Annual Meeting, May 2016. Sacramento, CA.

P82. *Diesburg, K.M. and S.M.P. Sullivan. Ecological linkages between streams and their adjacent riparian zones following Hemlock Woolly Adelgid invasion. Oral. Society for Freshwater Science Annual Meeting, May 2016. Sacramento, CA.

P81. *Dorobek, A.C. and S.M.P. Sullivan. Shifts in fish-centered food webs following dam removal in an urban river system. Oral. Society for Freshwater Science Annual Meeting, May 2016. Sacramento, CA.

P80. *Lawlis, C., and S.M.P. Sullivan S.M.P. Associations between stream hydrogeomorphology and codependent mussel-fish assemblages: evidence from an Ohio, USA river system. Oral. Annual Midwest Fish & Wildlife Conference, Jan. 2016, Grand Rapids, MI.

P79. Zimmerman, B.J, *D. Symonds, and S.M.P. Sullivan. Translocation of the Bluebreast Darter *Etheostoma camurum* to the Upper Licking River Basin, Ohio: Rationale and Initial Steps. Poster. Ohio Biodiversity Conservation Partnership (OBCP) – Terrestrial Wildlife Ecology Laboratory Meeting (TWEL), Nov. 2015, OSU 4-H Center, Columbus, OH.

P78. Tyl, R. and S.M.P. Sullivan. Variability in Tree Swallow Reproductive Success and Body Condition in Urban and Protected Riparian Areas of Central Ohio: Preliminary Evidence. Poster. Ohio Biodiversity Conservation Partnership (OBCP) – Terrestrial Wildlife Ecology Laboratory Meeting (TWEL), Nov. 2015, OSU 4-H Center, Columbus, OH.

P77. *Dorobek, A.C. and S.M.P. Sullivan. Shifts in Fish Food Webs Following Lowhead Dam Removal in an Urban River System. Poster. Ohio Biodiversity Conservation Partnership (OBCP) – Terrestrial Wildlife Ecology Laboratory Meeting (TWEL), Nov. 2015, OSU 4-H Center, Columbus, OH.

P76. Zimmerman, B.J, *Symonds, D., and S.M.P. Sullivan. Translocation of the Bluebreast Darter, *Etheostoma camurum*, to the Upper Licking River Basin of Ohio. Poster. Southeastern Fishes Council 41st Annual Meeting, November 2015, Gainesville, FL.

P75. *Dorobek, A.C., and S.M.P. Sullivan. Lowhead dam removal in an urban river system leads to shifts in fish assemblages in the short term. Oral. American Fisheries Society 145th Annual Meeting, August 2015, Portland, OR.

P74. *Davis, R., and S.M.P. Sullivan. Assessing the short-term effects of lowhead dam removal on contaminant movement through fish food webs in an urbanized river system. Oral. American Fisheries Society 145th Annual Meeting, August 2015, Portland, OR.

P73. Sullivan, S.M.P, *Meyer, L.A., ^Hossler, K. and *B. Rubinoff. Community and ecosystem responses to artificial night lighting across aquatic-terrestrial boundaries. Artificial Lighting at Night Conference, May 2015, Sherbrooke, Quebec.

P72. *Jackson, B.K. and S.M.P. Sullivan. Taking a broader perspective: catchment-level wildfire variability and climate drive riparian spider responses in Yosemite National Park, CA. Oral. Society for Freshwater Science Annual Meeting, May 2015. Milwaukee, WI.

P71. *Diesburg, K. and S.M.P. Sullivan. Stream ecosystem responses to the terrestrial insect invader, Hemlock Wooly Adelgid. Oral. Society for Freshwater Science Annual Meeting, May 2015. Milwaukee, WI.

P70. *Rieck, L.O. and S.M.P. Sullivan. Associations between stream hydrogeomorphology and fish assemblages in an urban landscape. Oral. Society for Freshwater Science Annual Meeting, May 2015. Milwaukee, WI.

P69. *Dorobek, A.C. and S.M.P. Sullivan. Fish community dynamics in the short-term following lowhead dam removal in an urban river system. Oral. Ohio Biodiversity Conservation Partnership Annual Meeting, Feb. 2015, OSU 4-H Center, Columbus, OH.

P68. *Vent, D. and S.M.P. Sullivan. Restoration of sensitive and rare fish in altered landscapes. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Feb. 2015, OSU 4-H Center, Columbus, OH.

P67. *Dorobek, A.C., *Kautza, A., and S.M.P. Sullivan. Short-term consequences of lowhead dam removal for river fish assemblages in an urban landscape. Oral. Joint Aquatic Sciences Meeting, May 2014. Portland, OR.

P66. *Kautza, A. and S.M.P. Sullivan. Shifts in fish-centered food webs along an urban-rural gradient in a Midwest US river system. Oral. Joint Aquatic Sciences Meeting, May 2014. Portland, OR.

P65. *Rieck, L.O. and S.M.P. Sullivan. Short-term geomorphic change exerts strong effects on fish assemblage diversity and composition in small urban streams. Oral. Joint Aquatic Sciences Meeting, May 2014. Portland, OR.

P64. *Jackson, B.K. and S.M.P. Sullivan. Two decades of wildfire in Yosemite: patterns in aquatic-terrestrial food-web connectivity. Oral. Joint Aquatic Sciences Meeting, May 2014. Portland, OR.

P63. *Kautza, A. and S.M.P. Sullivan. Reciprocal river-riparian invertebrate fluxes along an urban-rural gradient. Oral. 3rd Symposium on Urbanization and Stream Ecology, May 2014. Portland, OR.

P62. *Rieck, L.O. and S.M.P. Sullivan. Urban-induced stream geomorphic adjustment alters aquatic macroinvertebrate assemblage density and composition. Oral. 3rd Symposium on Urbanization and Stream Ecology, May 2014. Portland, OR.

P61. *Dorobek, A.C., *A. Kautza, and S.M.P. Sullivan. Consequences of lowhead dam removal for river fish assemblages in an urban landscape: initial evidence. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, Feb. 2014, OSU 4-H Center, Columbus, OH.

P60. *Rieck, L.O. and S.M.P. Sullivan. Urban-induced geomorphic adjustment alters fish assemblage composition. Poster. Ohio Chapter of the American Fisheries Society Meeting, Feb. 2014. Columbus, OH.

P59. *Goss, C.W., Goebel, P.C., and S.M.P. Sullivan. Aquatic-terrestrial linkages in remnant forest patches: implications for conservation and restoration of headwater streams in agricultural landscapes. Oral. RegioResources 21 Conference - A cross-disciplinary dialogue on sustainable development of regional resources, Sept. 2013. Catania, Italy.

P58. *Rowse, L.M., Rodewald, A.D., and S.M.P. Sullivan. Reproductive consequences of mercury to Acadian Flycatchers (*Empidonax virescens*) in urbanizing landscapes of Ohio, USA. Oral. Joint Meeting of the American Ornithological Union and Cooper Ornithological Society, Aug. 2013. Chicago, IL.

P57. *Meyer, L.A. and S.M.P. Sullivan. Artificial night lighting alters urban riparian arthropod communities. Oral. Society for Freshwater Science Annual Meeting, May 2013. Jacksonville, FL.

P56. *Goss, C.W., Goebel, P.C., and S.M.P. Sullivan. Transitions in land cover lead to ecological thresholds in stream ecosystems. Oral. Society for Freshwater Science Annual Meeting, May 2013. Jacksonville, FL.

P55. *Jackson, B.K. and S.M.P. Sullivan. The role of wildfire in shaping structure and function of linked aquatic-terrestrial food webs in Yosemite National Park, CA, USA. Oral. Society for Freshwater Science Annual Meeting, May 2013. Jacksonville, FL.

P54. *Kautza A. and S.M.P. Sullivan. Influences of riparian land cover on reciprocal aquatic-terrestrial invertebrate fluxes in a large multi-use river system. Oral. Society for Freshwater Science Annual Meeting, May 2013. Jacksonville, FL.

P53. *Rieck, L.O. and S.M.P. Sullivan. Urban-induced geomorphic adjustment alters stream fish diversity and abundance. Oral. Society for Freshwater Science Annual Meeting, May 2013. Jacksonville, FL.

P52. *Tagwireyi, P. and S.M.P. Sullivan. Riverine landscape patches influence trophic dynamics of riparian ants and spiders. Poster. Society for Freshwater Science Annual Meeting, May 2013. Jacksonville, FL.

P51. *Goss, C.W., Goebel, P.C., and S.M.P. Sullivan. Transitions in land cover, ecological thresholds, and restoration of stream ecosystems in agricultural landscapes. Oral. 5th Midwest-Great Lakes Society for Ecological Restoration Chapter Meeting, April 2013. Wooster, OH.

P50. *Kautza, A.R. and S.M.P. Sullivan. Influences of land cover on reciprocal aquatic-terrestrial invertebrate fluxes: implications for biodiversity and riparian restoration in a multi-use river system. Oral. 5th Midwest-Great Lakes Society for Ecological Restoration Chapter Meeting, April 2013. Wooster, OH.

P49. *Meyer, L.A. and S.M.P. Sullivan. Influences of ecological light pollution on stream-riparian diversity: implications for restoration. Oral. 5th Midwest-Great Lakes Society for Ecological Restoration Chapter Meeting, April 2013. Wooster, OH.

P48. *Rieck, L.O., and S.M.P. Sullivan. Ecological-geomorphic linkages in urban streams: implications for restoration. Oral. 5th Midwest-Great Lakes Society for Ecological Restoration Chapter Meeting, April 2013. Wooster, OH.

P47. *Alberts, J.M. and S.M.P. Sullivan. Aquatic-to-terrestrial contaminant fluxes in the Scioto River basin, OH. Poster. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P46. *Jackson, B.K. and S.M.P. Sullivan. Disturbance, connectivity, and scale: the role of wildfire in shaping structure and function of stream ecosystems in Yosemite National Park, CA, USA. Poster. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P45. Joseph, B.K. and S.M.P. Sullivan. An ecological approach to both environmental and linguistic sustainability. Oral. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P44. *Kautza, A. and S.M.P. Sullivan. Influences of riparian land use on fish-centered food webs in a large warm-water river system (Scioto and Olentangy Rivers, OH, USA). Poster. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P43. *MacFarland, M., Ward, A., *Rieck, L.O., and S.M.P. Sullivan. An approach to assessing the equilibrium state of urban streams in central Ohio, USA. Poster. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P42. *Rieck, L.O. and S.M.P. Sullivan. Urban stream geomorphic stability increases fish abundance and diversity. Poster. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P41. *Tagwireyi, P. and S.M.P. Sullivan. Linking adjacent landscape characteristics and riverscape heterogeneity in the Scioto River basin, OH. Poster. 4th International EcoSummit 2012. Sept./Oct. 2012. Columbus, OH.

P40. Sullivan, S.M.P. Geomorphic-biotic relationships highly variable between headwater and network streams in mountain catchments of northern Idaho, USA. Poster. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P39. *Alberts, J.M. and S.M.P. Sullivan. Influence of land use on aquatic-to-terrestrial contaminant fluxes via aquatic insect emergence in the Scioto River basin, Ohio, USA. Oral. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P38. *Kautza, A.R. and S.M.P. Sullivan. Influence of riparian land cover on reciprocal aquatic-terrestrial invertebrate fluxes in a large river system. Oral. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P37. *Meyer, L.A., and S.M.P. Sullivan. Influences of ecological light pollution (ELP) on stream-riparian arthropod fluxes. Oral. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P36. *Harraman, K. and S.M.P. Sullivan. Propagation and reintroduction of spotted and Tippecanoe darters: a geomorphic approach. Poster. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P35. *Rieck, L.O. and S.M.P. Sullivan. Stream geomorphology strongly influences reciprocal aquatic-terrestrial invertebrate fluxes in urban streams. Poster. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P34. *Tagwireyi, P. and S.M.P. Sullivan. Riparian ant assemblage responses to riverine landscape patch heterogeneity along an urban-to-rural gradient. Oral. Society for Freshwater Science (formerly NABS) Annual Meeting, May 2012. Louisville, KY.

P33. Sullivan, S.M.P., Boaz, L. and A. Kautza. Dam removal strategies to benefit species of greatest conservation need. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, November 2011. OSU Museum of Biological Diversity, Columbus, OH.

P32. *Kautza, A., Sullivan, S.M.P, and *K.E. Harraman. Relative effects of local- and landscape-scale environmental factors on stream fish assemblages: ties to fish conservation and management. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, November 2011, OSU Museum of Biological Diversity, Columbus, OH.

P31. *Harraman, K. and S.M.P. Sullivan. Propagation and reintroduction of Spotted and Tippecanoe Darters: an informed approach using habitat and geomorphic thresholds. Poster. Ohio Biodiversity Conservation Partnership Annual Meeting, November 2011, OSU Museum of Biological Diversity, Columbus, OH.

P30. *Kautza, A., and S.M.P. Sullivan. Influences of modified landscapes on aquatic-terrestrial invertebrate fluxes in the Scioto River, OH: implications for riverine food webs. Oral. American Fisheries Society 141st Annual Meeting, September 2011, Seattle, WA.

P29. *Kautza, A., Sullivan, S.M.P, and *K.E. Harraman. Relative effects of local- and landscape-scale environmental factors on stream fish assemblages: ties to rare fish conservation. Poster. American Fisheries Society 141st Annual Meeting, September 2011, Seattle, WA.

P28. *Meyer, L.A., and S.M.P. Sullivan. Influences of urban light pollution on stream-riparian invertebrate food webs. Oral. American Fisheries Society 141st Annual Meeting, September 2011, Seattle, WA.

P27. *Kautza, A., and S.M.P. Sullivan. Landscape influences on 'fish-dominated' riverine food webs. Poster. 51st Annual Ohio Fish and Wildlife Management Association Conference, February 2011, Columbus, OH.

P26. *Meyer, L.A., and S.M.P. Sullivan. A stream of lights: influences of ecological light pollution (ELP) on abundance and diversity of stream-riparian arthropods. Poster. 51st Annual Ohio Fish and Wildlife Management Association Conference, September 2011, Columbus, OH.

P25. Sullivan, S.M.P., *Kautza, A.R, *Tagwireyi, P., and *J.M. Alberts. Riverine food web dynamics along an urban to rural gradient. Oral. American Society of Limnology and Oceanography Meeting, February 2011. San Juan, PR.

P24. Sullivan, S.M.P. and B. Joseph. Learning from the past: an ecolinguistic approach to reconstructing and predicting biocomplexity in Lithuanian watersheds. Oral. Societas Linguistica Europaea 43rd Annual Meeting, September 2010. Vilnius, Lithuania.

P23. Sullivan, S.M.P. and *A. Kautza. Stream assessment and fish management through an ecogeomorphological lens. Poster. American Fisheries Society 140th Annual Meeting, September 2010. Pittsburgh, PA.

P22. *Kautza, A., and S.M.P. Sullivan. Predicting fish assemblage characteristics under shifting land cover and climate regimes using the Soil and Water Assessment Tool (SWAT). Oral. American Fisheries Society 140th Annual Meeting, September 2010, Pittsburgh, PA.

P21. Sullivan, S.M.P. and K.T. Vierling. 2010. Unraveling spatial linkages in mountain watersheds with the American Dipper. Oral. Ecological Society of America 95th Annual Meeting. August 2010. Pittsburgh, PA.

P20. *Kautza, A., and S.M.P. Sullivan. A tale of two regions: a multiscalar perspective of environmental influences on stream fish assemblages. Oral. Ecological Society of America 95th Annual Meeting, August 2010, Pittsburgh, PA.

P19. *Kautza, A., and S.M.P Sullivan. Predictive potential of the Soil and Water Assessment Tool (SWAT) in estimating composition and populations of Ohio stream fish communities. Poster. 50th Annual Ohio Fish and Wildlife Management Association Conference, February 2010, Columbus, OH.

P18. Sullivan, S.M.P., *A. Kautza, C.M. Cianfrani, and K.T. Vierling. A multiscalar perspective of environmental influences on stream-riparian biota. Oral. ASLO/NABS Joint Aquatic Sciences Meeting, June 2010. Santa Fe, NM.

P17. Sullivan, S.M.P. A landscape perspective of stream-riparian food webs. Poster. Society of American Foresters. October, 2007, Portland, OR.

P16. Sullivan, S.M.P. Interactions of land use and stream-riparian condition on fish communities and terrestrial-aquatic invertebrate fish prey subsidies. Poster. American Fisheries Society, September, 2007, San Francisco, CA.

P15. Sullivan, S.M.P., and K.T. Vierling. Evaluations of morning versus evening riparian bird surveys and implications for experimental design and ecological theory. Oral. Ecological Society of America and Society for Ecological Restoration Joint Meeting, August, 2007, San Jose, CA.

P14. S.M.P. Sullivan, Mann, R.D., and K.T. Vierling. Effects of landscape changes on American Dipper (*Cinclus mexicanus*) feeding and breeding ecology. Poster. Ecological Society of America and Society for Ecological Restoration Joint Meeting, August, 2007, San Jose, CA.

P13. *Jackson, B.K., S.M.P. Sullivan, and R. Wilkinson. Potential impacts of fire on riparian plant communities and stream food webs in a wilderness setting. Oral. Ecological Society of America and Society for Ecological Restoration Joint Meeting, August, 2007, San Jose, CA.

P12. Sullivan, S.M.P., Watzin, M.C., W.S. Keeton, and A.R. Troy. Understanding the effects of watershed- versus local-scale variables on stream fish assemblages. Poster. American Fisheries Society (Idaho Chapter) Meeting, February 2007, Boise, ID.

P11. Cianfrani, C.M., Sullivan, S.M.P, Hession, W.C., and M.C. Watzin. Effects of land use, physical habitat type, and stream geomorphology at multiple spatial scales on fish community diversity. Oral. American Geophysical Union Joint Assembly, May 2006, Baltimore, MD.

P10. Sullivan, S.M.P. Effects of fluvial geomorphology on stream fish communities. Oral. American Fisheries Society (Idaho Chapter) Meeting, February 2006, Idaho Falls, ID.

P9. Cianfrani, C.M., Sullivan, S.M.P, Hession, W.C., and M.C. Watzin. Linking Stream Geomorphology, Watershed Condition and Aquatic Ecosystem Health. Oral. 3rd Annual Massachusetts Water Resources Research Center Conference: Research to Practice for Sustainable Water Resources, October 2005, Amherst, MA.

P8. Copeland, E.M., Keeton, W.S., and S.M.P. Sullivan. Riparian vegetation structural variability and linkages with stream geomorphology in the Lake Champlain Basin. Oral. ESA Annual Meeting, August 2005, Montreal, Quebec, Canada.

P7. Cianfrani, C.M., Hession, W.C., Watzin, M.C., and S.M.P. Sullivan. Linking stream geomorphology, watershed condition, and aquatic ecosystem health. Oral. Watershed 2005. Managing Watersheds for Human and Natural Impacts: Engineering, Ecological, and Economic Challenges. July 2005, Williamsburg, VA.

P6. W.C. Hession, Watzin, M.C., Cianfrani, C.M., and S.M.P. Sullivan. Determining relative impacts of watershed and stream condition on aquatic biota. Oral. Joint North American Benthological Society/American Geophysical Union Meeting, May 2005, New Orleans, LA.

P5. Sullivan, S.M.P., and M.C. Watzin. Connecting physical and biotic thresholds in streams. Oral. American Society of Limnology and Oceanography 2005 Aquatic Sciences Meeting, February 2005, Salt Lake City, UT.

P4. Watzin, M.C., Sullivan, S.M.P., and K.L. McCutcheon. Considering scale in the design of stream and watershed classification systems. Oral. ASLO 2005 Aquatic Sciences Meeting, February 2005, Salt Lake City, UT.

P3. Sullivan, S.M.P., and M.C. Watzin. 2004. Assessing and maintaining aquatic biodiversity in river-floodplain ecosystems: a geomorphic approach. Poster. 4th Annual World Fisheries Congress, May 2004, Vancouver, BC, Canada.

P2. Sullivan, S.M.P., Watzin, M.C., and W.C. Hession. 2004. Stream geomorphology and fish community diversity. Oral. 4th Annual World Fisheries Congress, May 2004, Vancouver, BC, Canada.

P1. Sullivan, S.M.P., Watzin, M.C., and W.C. Hession. 2003. The belted kingfisher: associations of river geomorphology and aquatic ecosystem integrity. Poster. The Wildlife Society 10th Annual Conference, September 2003, Burlington, VT.

INVITED PRESENTATIONS

IP49. Florida State University, Tallahassee, FL. Dec. 2019. Environmental Determinants of Dynamic Riverine Landscapes.

IP48. Florida State University, Tallahassee, FL. Nov. 2019. The Ties that Bind: Connectivity and Aquatic-Terrestrial Linkages in Watershed and Coastal Ecosystems.

IP47. American Fisheries Society and The Wildlife Society Joint Annual Meeting, Sept-October 2019. Reno, NV. The Proposed "Waters of the United States" (WOTUS) Rule Flouts Sound Science. (Rains, M.C. and A.D. Rodewald, Co-authors)

IP46. Ohio Water Development Authority Research Review. June 2019. Columbus, Ohio. "Influence of Dam Removal on Aquatic Ecosystem Contamination".

IP45. Society for Freshwater Science National Webinar. April 2019. Broadcast Nationally. "Waters of the US (WOTUS) Proposed Rule: Overview and Action Steps".

IP44. American Fisheries Society National Webinar. February 2019. Broadcast Nationally. "Waters of the US (WOTUS): What you need to know about the rule and how to take action" - "Where's the Science in the Proposed 'WOTUS' Rule?"

IP43. School of Environment and Natural Resources (OSU), Environmental Professionals Network Program: Wetlands, Rivers, and Restoration. Columbus, Ohio. July 2018. Opening Address: "Connectivity in Aquatic-Riparian Ecosystems: Examples from the Scioto-Olentangy River System".

IP42. Stone Lab (Ohio Sea Grant) Winter Program. Columbus, Ohio. February 2018. Keynote Address: "Connectivity and Conservation of Aquatic Ecosystems".

IP41. Society for Freshwater Science. Special Session on Stressors in Linked Aquatic-Terrestrial Ecosystems – Raleigh, NC. June 2017. "Effects of Dam Removal Extend to Terrestrial Food Webs: Evidence from Common Riparian Consumers". (D. Manning, co-author)

IP40. Ohio Biodiversity Conservation Partnership Annual Meeting, Columbus, OH. November 2016. Keynote Address: "Multiple Stressors and Multiple Challenges: Evidence-based Conservation of Stream-Riparian Ecosystems".

IP39. Society for Freshwater Science. Special Session on Multiple Stressors in Rivers – Sacramento, CA. May 2016. “A ‘Cocktail’ of Stressors: Independent and Joint Effects of Environmental Perturbations in a Midwestern US River”. (D. Manning, co-author)

IP38. University of Saint Thomas (Bogotá, Colombia). October 2015. “El papel de la geomorfología fluvial en la ecología y conservación de los ríos” (“The role of fluvial geomorphology in the ecology and conservation of rivers”).

IP37. Curso Internacional Biodiversidad, Conservación y Ecología de Sistemas Fluviales (International Course in the Biodiversity, Conservation, and Ecology of Fluvial Systems). National University of Colombia (Bogotá, Colombia). September 2015. “Environmental drivers of food webs in riverine landscapes: implications for biodiversity conservation”.

IP36. Curso Internacional Biodiversidad, Conservación y Ecología de Sistemas Fluviales (International Course in the Biodiversity, Conservation, and Ecology of Fluvial Systems). National University of Colombia (Bogotá, Colombia). September 2015. “River conservation in the context of aquatic-terrestrial connectivity”.

IP35. National University of Colombia, Amazon Campus (Leticia, Colombia). September 2015. “Las conexiones ecológicas entre la tierra y el agua: perspectivas básicas y aplicadas” (“Ecological linkages between land and water: basic and applied perspectives”).

IP34. National University of Colombia, College of Natural Sciences (Bogotá, Colombia). September 2015. “La *BiodiverCiudad*: reformando nuestros ríos urbanos” (“*BiodiverCity*: reclaiming our urban rivers”).

IP33. University of Applied and Environmental Sciences (Bogotá, Colombia). August 2015. “Enlaces ecológicos entre sistemas acuáticos y terrestres: la teoría y la práctica” (“Ecological linkages between aquatic and terrestrial systems in theory and application”).

IP32. Ohio Corn Marketing Program. Cleveland, Ohio. June 2015. “Sources and Fates of Phosphorus and Nitrogen in Non-agricultural Ohio Surface Waters”.

IP31. Ohio Agricultural Research and Development Center Annual Conference, Columbus, Ohio. April 2015. “Connectivity and the Clean Water Act”.

IP30. Ohio Small Grains and Corn Marketing Programs. Plain City, Ohio. April 2015. “Sources and Fates of Phosphorus and Nitrogen in Ohio Inland Surface Waters: A Multiscale Watershed Approach”.

IP29. Department of Linguistics, OSU. January 2015. “Coupled linguistic-environmental systems: using an ecological framework to assess language change in Lithuania”.

IP28. Department of Biology, Kenyon College, Gambier, Ohio. November 2014. "Chains, Webs, and Networks – What does Trophic Ecology Contribute to River Science and Conservation in a Changing World?"

IP27. Department of Biology, Texas State University, San Marcos, Texas. February 2014. "'Food Webs' for Thought": Trophic Interactions across Aquatic-Terrestrial Boundaries".

IP26. Climate, Water, and Environment Symposium, School of Earth Sciences, OSU. November 2013. "The Ties that Bind: Energetic Linkages between Land and Water" (Keynote Speaker).

IP25. Ohio Water Development Authority. August 2013. "Influence of Dam Removal on Aquatic Ecosystem Contamination".

IP24. Midwest-Great Lakes Society for Ecological Restoration Meeting: Ecological Restoration and Sustainability – Partners for the Future. April 2013. "Evaluating Linked Geomorphic-Ecological Responses to Dam Removal." (with K. Jaeger).

IP23. EcoSummit 2012 Symposium: Ecogeomorphology: A Biophysical Framework for Riverine Science. Columbus, OH. October 2012. "Fluvial Geomorphology and Food Webs: Linking Structure and Process at the Riverscape Scale" (with A. Kautza, L.O. Rieck, J.M. Alberts, and P. Tagwireyi).

IP22. OSU, Ecology and Language: Exploring the Interface between Ecological and Linguistic Lines of Evidence. Columbus, OH. January 2012. "Reciprocal Linkages between Ecology and Language: Evidence from Watershed Ecosystems of Lithuania" (with Brian Joseph).

IP21. AFS 141st Annual Meeting Special Symposium, Seattle, WA. September 2011. "Riverine 'Fish-Dominated' Food Webs along an Urban to Rural Gradient".

IP20. Great Lakes Fisheries Commission, Ann Arbor, MI. March 2011. "Linking Watershed Land Use, Stream Sediment, and Sea Lamprey Ammocoete Distribution in Lake Erie Tributary Streams".

IP19. OSU Department of Evolution, Ecology, and Organismal Biology, Columbus, OH. February 2011. "From the Wilderness to the Urban Jungle: River Science at the Extremes".

IP18. Wilma H. Schiermeier Olentangy River Wetland Research Park, Columbus, OH. October 2010. "'The Scioto Runs Through It': Riverine Food Webs and Energy Fluxes along an Urban to Rural Gradient".

IP17. Vilnius Ecological Society, Vilnius, Lithuania. September 2010. "Habitat-Geomorphic Linkages in Streams and Rivers."

IP16. OH EPA, Groveport, OH. February 2010. "Ecogeomorphology: Linking Fundamental and Applied Science in Stream and River Ecosystems".

IP15. OSU-Gahanna-Lincoln HS Curriculum Infusion Workshop, Newark, OH. September 2009. "Stream Stewardship: A Scientific Perspective".

IP14. Ball State University, Muncie, IN. April 2009. "'Food Webs' for Thought": Considering Aquatic-Terrestrial Energy Flows and Redefining Stream-Riparian Food Webs.

IP13. Idaho State University, Pocatello, ID. March 2009. "Language and Perception in Ecology: Deconstructing the Syntax of Stream-Riparian Ecosystems".

IP12. University of Cape Town, Cape Town, South Africa, February 2009. "Fractals, Food Webs, and Feathers: The Role of Birds in Shaping River Ecology".

IP11. OSU School of Environment and Natural Resources, Columbus, OH. May 2008. "Stream Restoration: Form, Function, and Fish".

IP10. South Dakota State University, Brookings, SD. April 2008. "An Integrated Approach to Stream Ecology and Management".

IP9. Arizona State University, Mesa, AZ. March 2008. "Riparian Ecology: Biodiversity, Energy Exchanges, and Scale".

IP8. University of Montana, Missoula, MT. February 2008. "Stream Restoration: Linking Form & Function".

IP7. James Madison University, Harrisonburg, VA. January 2008. "Trophic Ecology and Energy Exchanges in Stream-Riparian Ecosystems".

IP6. University of Idaho & Idaho State University, Landscapes to Riverscapes Symposium, Moscow, Idaho. May 2007. "Birds in Riverine Landscapes: Patches, Disturbance, and Food Webs".

IP5. USFS Rocky Mountain Research Station, Boise, Idaho. December 2006. "Incorporating a Landscape Perspective into Stream Ecology: Riverscapes, Food Webs, and Biodiversity".

IP4. Texas Tech University, Lubbock, Texas. January 2006. "Emerging Paradigms in Watershed Ecology".

IP3. University of Idaho Department of Fish and Wildlife Resources. September 2005. "Linking Fluvial Geomorphology and Stream Ecology in Watersheds".

IP2. Minnesota State University, Mankato, MN. Department of Biological Sciences. January 2005. "New Directions for the River Continuum Concept: Management Applications".

IP1. Vermont Department of Fish & Wildlife, Waterbury, VT. February 2002. "Ecological Implications of Channel Adjustment".

POPULAR MEDIA COVERAGE

"Fifty Years after Clean Water Movement, Ohio Rivers are Healthier but Politics are Messier" by Lucia Wallinchus, Eye on Ohio. November 2019: https://radio.wosu.org/post/fifty-years-after-clean-water-movement-ohio-rivers-are-healthier-politics-messier#stream/0

"Night lights are rewiring estuary ecosystems", The Wildlife Society by Joshua Rapp Learn, September 2019: https://wildlife.org/night-lights-are-rewiring-estuary-ecosystems/

"What the Amazon fires mean for wild animals", National Geographic by Natasha Daly, August 2019: https://www.nationalgeographic.com/animals/2019/08/how-the-amazon-rainforest-wildfires-will-affect-wild-animals/

"Bumper Crop", Ohio State Alumni Magazine by Elizabeth Tarpy Alcalde, August 2019: https://www.osu.edu/alumni/news/ohio-state-alumni-magazine/issues/fall-2019/waterman-laboratory.html

"Watershed Moment: 'Ephemeral' Streams Debate Could Reshape Ohio Valley Waterways", Ohio Valley Resource by Liam Niemeyer, July 2019: https://ohiovalleyresource.org/2019/07/05/watershed-moment-ephemeral-streams-debate-could-reshape-ohio-valley-waterways/

"Putting threats to freshwater fisheries into perspective" – Video Byte on J51 (Fisheries administrator perspectives on current and future threats to freshwater fisheries in the United States of America), Wiley Publishing, May 2019. https://www.youtube.com/watch?v=pivGz_uMylI

"Wildfires alter stream chemistry for years", USDA National Institute of Food and Agriculture, April 2019: https://nifa.usda.gov/blog/wildfires-alter-stream-chemistry-years

"Waters of the US (WOTUS) Proposed Rule: Overview and Action Steps", Society for Freshwater Science National Webinar. April 2019: https://www.youtube.com/watch?v=Ot0Q-fv1wTM

"Waters of the US (WOTUS): What you need to know about the rule and how to take action" - "Where's the Science in the Proposed 'WOTUS' Rule?, American Fisheries Society National Webinar. February 2019: https://vimeo.com/320342585

"Rule threatens ecological lifelines in US" – Video Byte on J50 (Headwater streams and wetlands are critical for sustaining fish, fisheries, and ecosystem services), Wiley Publishing, January 2019. https://afspubs.onlinelibrary.wiley.com/doi/10.1002/fsh.10229 or https://vimeo.com/334695877

"The negative impacts of light pollution on streams and wetlands", earth.com News (by Chrissy Sexton), December 2018: https://www.earth.com/news/light-pollution-streams-wetlands/

"Nightlights for stream dwellers? No thanks." Ohio State News (by Misti Crane), December 2018: https://news.osu.edu/nightlights-for-stream-dwellers-no-thanks/

"Ohio State researchers win federal grant to study algae problems", WOSU Public Radio, 89.7 NPR News (by Tim Rudell), January 2018: http://radio.wosu.org/post/ohio-state-researchers-win-federal-grant-study-algae-problems#stream/0

"Research aims to predict algae blooms on lakes, rivers", Associated Press (by John Seewer), January 2018: picked up by numerous outlets, for example:

> https://www.washingtonpost.com/national/energy-environment/research-aims-to-predict-algae-blooms-on-lakes-rivers/2018/01/13/77b6719e-f871-11e7-9af7-a50bc3300042_story.html?utm_term=.80aca4c604e1
>
> http://abcnews.go.com/US/wireStory/research-aims-predict-algae-blooms-lakes-rivers-52325368
>
> https://www.nytimes.com/aponline/2018/01/13/us/ap-us-predicting-algae-blooms.html

"Scientists seek diagnostic tool for harmful algal blooms", Ohio State News (by Misti Crane), December 2017: https://news.osu.edu/news/2017/12/19/research-algal-blooms/

"Diversity Matters in Freshwater Science", NABSbenthos video produced for and originally shown at the 2017 Society for Freshwater Science meeting, June 2017: https://www.youtube.com/watch?v=GKXrhSvhsos

"Rover Pipeline Spills in Ohio Wetlands", WOSU Public Radio – All Sides with Ann Fisher, May 2017: http://radio.wosu.org/post/rover-pipeline-spills-ohio-wetlands#stream/0

"Feds shut down new drilling along Rover pipeline project", The Columbus Dispatch (by Marion Renault), May 2017: http://www.dispatch.com/news/20170511/feds-shut-down-new-drilling-along-rover-pipeline-project

"March for Science", NBC4 – Columbus, April 2017: Interviewed at 1:23 bit.ly/2pQbGdu

"Republicans indicate they will kill Obama's coal-mining rules", The Columbus Dispatch (by Marion Renault), January 2017: http://www.dispatch.com/news/20170117/republicans-indicate-they-will-kill-obamas-coal-mining-rules

"La vida resurge en el río Bogotá" ("Life resurges in the Bogotá River"), Chapter in UNIMINUTO Documentary Series, 2015, Bogotá, Colombia: https://www.youtube.com/watch?v=D9OM3G_7dIg

"Urbes deben fomentar la 'biodiverCiudad': Mazeika Patricio Sullivan" ("Cities should encourage 'biodiverCity': Mazeika Patricio Sullivan", Unimedios - Agencia de Noticias UN, Bogotá, Colombia (by Javier Silva Herrera), 2015: http://agenciadenoticias.unal.edu.co/detalle/article/la-biodiverciudad-ayudaria-a-salvar-la-naturaleza-que-sobrevive-en-las-urbes.html

"Sullivan awarded Distinguished Chair Fulbright, OSU Office of International Affairs, March 2015: http://fulbright166.rssing.com/chan-25880714/latest.php

"Sullivan chosen for Fulbright biodiversity chair", OSU/CFAES, March 2015: http://cfaes.osu.edu/faculty-staff-resources/cfaes-monthly/archives/sullivan-receives-fulbright-biodiversity-chair

"What do wild animals do in a wildfire?" National Geography Daily News (by Sarah Zielinski), July 2014: http://news.nationalgeographic.com/news/2014/07/140721-animals-wildlife-wildfires-nation-forests-science/

"Reborn Olentangy becomes OSU Lab", The Columbus Dispatch (by Dean Narciso), April 2014: http://www.dispatch.com/content/stories/science/2014/04/27/reborn-olentangy-becomes-osu-lab.html

"De-constructing dams in Ohio means figuring out what to do with sediment left behind", WKSU/NPR (by Tim Rudell), April 2014: http://www.wksu.org/news/story/38992

"What Happens to a River When a Dam Comes Down?", OSU/CFAES (by Kurt Knebusch), April 2014: http://senr.osu.edu/about-us/news/ohio-state-study-what-happens-river-when-dam-comes-down

"CFAES's Sullivan Nets Ohio State Distinguished Teaching Award", OSU/CFAES (by Kurt Knebusch), March 2014: http://senr.osu.edu/about-us/news/cfaes's-sullivan-nets-ohio-state-distinguished-teaching-award

"Light pollution takes a toll on the aquatic food web", Science News – Wild Things (by Sarah Zielinski), September 2013: https://www.sciencenews.org/blog/wild-things/light-pollution-takes-toll-aquatic-food-web?mode=blog&context=116

GRANTS AND CONTRACTS

Federal:

Source of Support:	NSF - DEB
Project Title:	From individuals to ecosystems: integrating the effects of artificial lighting at night in urban streams
Award Amount:	$680,218
Period of Award:	Submitted
Sullivan Role:	PI (with S. Gray and K. Hossler)

Source of Support:	NSF - EEID
Project Title:	Transmission dynamics of carbapenem-resistant *Enterobacteriaceae* in surface waters: linking coupled wildlife-livestock-human systems via ecological networks
Award Amount:	$2,848,299
Period of Award:	Submitted
Sullivan Role:	Co-PI (with T. Wittum, J. Lee, and L. Pomeroy)

Source of Support:	USDA - NIFA
Project Title:	Environmental, human, and animal health risks from the dissemination of Carbapenem-resistant Enterobacteriaceae into agricultural watersheds
Award Amount:	$999,844
Period of Award:	Pending (awarded, waiting for funding)
Sullivan Role:	Co-PI (with T. Wittum and J. Lee)

Source of Support:	US Fish and Wildlife Service
Project Title:	Restoration and monitoring of wetland fishes in the Ashtabula River basin, Ohio
Award Amount:	$317,058
Period of Award:	Pending (awarded, waiting for funding)
Sullivan Role:	PI

Source of Support:	US Environmental Protection Agency (STAR)
Project Title:	Development of a multi-scale management tool for predicting and mitigating HABs in Ohio River watersheds
Award Amount:	$681,343
Period of Award:	01/01/2018-12/31/2020
Sullivan Role:	PI (with L. Pintor and K. Zhao)

Source of Support:	Centers for Disease Control (BAA Applied Research to Address Emerging Public Health Priorities)
Project Title:	Preventing the dissemination of CRE from healthcare facilities into surface waters in the US
Award Amount:	$693,598
Period of Award:	09/17-03/19
Sullivan Role:	Co-PI (with T. Wittum and J. Lee)

Source of Support:	US Fish and Wildlife Service
Project Title:	Conservation and restoration of Ohio wetland fishes
Award Amount:	$47,485 (total for two subsequent awards)
Period of Award:	08/15-09/19
Sullivan Role:	PI

Source of Support:	National Science Foundation – Dissertation Research
Project Title:	The influence of wildfire on food-chain length and aquatic-terrestrial connectivity: a before-after approach
Award Amount:	$19,590
Period of Award:	06/14-05/15
Sullivan Role:	PI (with B. Jackson, PhD Candidate)

Source of Support:	National Science Foundation - RAPID
Project Title:	Linked geomorphic-ecological disturbance response as a driver for alterations in aquatic-to-terrestrial energy flux: rapid consequences of dam removal on a mid-size river
Award Amount:	$50,000
Period of Award:	08/13-07/15
Sullivan Role:	PI (with K. Jaeger)

Source of Support:	Fulbright (Colombia) and U.S. Department of State
Project Title:	River biodiversity, food webs, and sustainability
Award Amount:	$30,000
Period of Award:	08/15-07/16
Sullivan Role:	PI

Source of Support:	USDA-CSREES-Natural Resources and Environment (McIntyre-Stennis Funds, State Agricultural Experimental Stations)
Project Title:	River biodiversity and food webs in changing forested landscapes
Award Amount:	$1,500/year
Period of Award:	10/15-09/19
Sullivan Role:	PI

Source of Support:	Bureau of Land Management, Joint Fire Science Program – Graduate Research Innovation
Project Title:	Fire and food webs in Yosemite National Park: implications of fire regimes on linked stream-riparian ecosystems
Award Amount:	$17,124
Period of Award:	09/14-08/15
Sullivan Role:	PI (with B. Jackson, PhD Candidate)

Source of Support:	USGS - National Institutes for Water Resources
Project Title:	Linked geomorphic and ecological responses to river restoration: influence of dam removal on river channel structure and fish assemblages
Award Amount:	$24,870
Period of Award:	03/14-02/15
Sullivan Role:	Co-PI (with K. Jaeger)

Source of Support:	USDA Hatch (North Central Regional Association of State Agricultural Experiment Station Directors)
Project Title:	Understanding the ecological and social constraints to achieving sustainable fisheries resource policy and management
Award Amount:	$4,000/year (eligible for this amount)
Period of Award:	01/12-12/17 – Phase 1, 01/17-12/22 – Phase 2
Sullivan Role:	Co-PI (with W. Taylor – PI, and multiple Co-PIs)

Source of Support:	USDA-CSREES-Natural Resources and Environment (McIntyre-Stennis Funds, State Agricultural Experimental Stations)
Project Title:	Landscape perspectives on stream ecology and fisheries management
Award Amount:	$1,500/year
Period of Award:	06/09-09/14
Sullivan Role:	PI

Source of Support:	US Forest Service Collaborative Working Forest Initiative
Project Title:	Mica Creek experimental watershed studies
Award Amount:	Phase 2: 2005-2006, $250,000; Phase 3: 2006-2007, $225,000
Period of Award:	01/05-09/08
Sullivan Role:	Assumed Co- PI responsibilities in 2006 (with T. Link – PI, K. Kavanagh, J. Marshall, and H. Han)

State and Local:

Source of Support:	ODOT (Ohio Department of Transportation)
Project Title:	Ecological design rules for roadway lighting
Award Amount:	$601,581
Period of Award:	12/18-04/22
Sullivan Role:	PI (with S. Gray)

Source of Support:	ODNR (Ohio Department of Natural Resource), ODW (Ohio Division of Wildlife) through the Ohio Biodiversity Conservation Partnership
Project Title:	Native fish, native streams: rare fish conservation and reintroduction
Award Amount:	$803,232 (total for multiple, yearly awards)
Period of Award:	07/10-06/20
Sullivan Role:	PI

Source of Support:	ODNR (Ohio Department of Natural Resource), ODW (Ohio Division of Wildlife) through the Ohio Biodiversity Conservation Partnership
Project Title:	Conservation of riparian aerial insectivorous birds
Award Amount:	$403,505 (total for multiple, yearly awards)
Period of Award:	07/14-09/19
Sullivan Role:	PI

Source of Support:	ODNR (Ohio Department of Natural Resource), ODW (Ohio Division of Wildlife)
Project Title:	Ohio Biodiversity Conservation Partnership (Basic Services)
Award Amount:	$799,663 (total for multiple, yearly awards)
Period of Award:	07/12-06/20
Sullivan Role:	Co-PI (with L.H. Gibbs – PI, and multiple Co-PIs)

Source of Support:	Ohio Small Grain and Corn Marketing Programs
Project Title:	Sources and fates of nutrients in non-agricultural Ohio surface waters
Award Amount:	$511,930
Period of Award:	09/15-06/20
Sullivan Role:	PI (with K. Jaeger, L. Pintor, and K. Zhao)

Source of Support:	OWDA (Ohio Water Development Authority)
Project Title:	Influence of dam removal on aquatic ecosystem contamination

Award Amount: $167,455
Period of Award: 01/14-01/19
Sullivan Role: PI

Source of Support: Columbus Zoo & Aquarium
Project Title: Conservation of aerial insectivorous birds in Ohio's changing landscapes
Award Amount: $1,000
Period of Award: 07/14-06/15
Sullivan Role: PI

Source of Support: ODNR (Ohio Department of Natural Resource), ODW (Ohio Division of Wildlife)
Project Title: Dam removal strategies to benefit species of greatest conservation need
Award Amount: $15,740
Period of Award: 01/11 – 06/12
Sullivan Role: PI

Source of Support: ODNR (Ohio Department of Natural Resource), ODW (Ohio Division of Wildlife)
Project Title: Rare fish propagation and freshwater ecology laboratory set-up
Award Amount: $71,256
Period of Award: 01/11 – 12/11
Sullivan Role: PI

Source of Support: Town of New Albany, OH
Project Title: Rose Run bioassessment
Award Amount: $4,000
Period of Award: 010/10-12/11
Sullivan Role: PI

Internal (Competitive):

Source of Support: OARDC (Ohio Agricultural Research and Development Center)
Project Title: Equipment Grant – aqua-SITE: system for integrated testing & experimentation of aquatic ecosystems
Award Amount: $65,000
Period of Award: 01/17- 06/17
Sullivan Role: Co-PI (with L. Pintor and S. Gray)

Source of Support: Office of International Affairs, International Affairs Research Grant, The Ohio State University
Project Title: Linking environmental change and aquatic biodiversity in Amazon River floodplains
Award Amount: $6,000
Period of Award: 06/16-06/19
Sullivan Role: PI

Source of Support: OARDC (Ohio Agricultural Research and Development Center)
Project Title: Equipment Grant – YSI water-quality network
Award Amount: $50,000
Period of Award: 12/13-06/14

Sullivan Role: Co-PI (with S. Gray, K. Jaeger, and L. Pintor)

Source of Support: OARDC (Ohio Agricultural Research and Development Center)
Project Title: Equipment Grant – experimental mesocosm system
Award Amount: $30,000
Period of Award: 02/13-06/13
Sullivan Role: Co-PI (with L. Pintor)

Source of Support: Office of International Affairs, The Ohio State University
Project Title: Interactions among urbanization, environmental change, and language in Lithuania: a transformative investigation of language sustainability
Award Amount: $4,450
Period of Award: 06/12-09/13
Sullivan Role: PI (with B. Joseph)

Source of Support: OARDC (Ohio Agricultural Research and Development Center) SEEDS Competitive Grants Program
Project Title: Investigating aquatic-to-terrestrial contaminant fluxes in the Scioto River basin, OH
Award Amount: $48,910
Period of Award: 05/12-10/14
Sullivan Role: PI

Source of Support: Research and Creative Activity in the Arts and Humanities (RCA), The Ohio State University
Project Title: Linking urbanization, environmental change, and language in Lithuania
Award Amount: $21,000
Period of Award: 06/12-05/15
Sullivan Role: Co-PI (with B. Joseph)

Source of Support: OARDC (Ohio Agricultural Research and Development Center) Interdisciplinary Competitive Grants Program
Project Title: Consequences of Hemlock Woolly Adelgid to coupled dynamics across riparian and stream ecosystems
Award Amount: $99,992
Period of Award: 06/11-05/14
Sullivan Role: Co-PI (with P.C. Goebel – PI, and D. Apsley)

Source of Support: OARDC (Ohio Agricultural Research and Development Center)
Project Title: Equipment Grant - pontoon electrofishing boat for large streams and rivers
Award Amount: $36,400
Period of Award: 06/09-07/10
Sullivan Role: PI

Other:

Source of Support: The Ohio State University Graduate School
Project Title: Matching Graduate School tuition and fee award (for Fulbright PhD student)
Award Amount: $15,500/year
Period of Award: 10/09-09/13
Sullivan Role: PI

Source of Support:	Taylor Ranch Visiting Professional Travel Grant
Project Title:	Landscape influences on waterbird ecology
Award Amount:	$1,000
Period of Award:	01/08-12/08
Sullivan Role:	PI

Source of Support:	The Mountaineers Foundation
Project Title:	Linking American Dippers and stream health in mountain landscapes
Award Amount:	$5,325
Period of Award:	06/07-12/08
Sullivan Role:	PI

Source of Support:	DeVlieg Graduate Research Fellowship
Project Title:	Riparia, influence of fire on streamside vegetation and riparian-stream food webs in a wilderness setting
Award Amount:	$36,000
Period of Award:	06/05-06/07
Sullivan Role:	Assumed PI responsibilities in 2006

Source of Support:	Sandpiper Technologies Equipment Grant
Project Title:	Influences of stream geomorphology on Belted Kingfishers
Award Amount:	$4,000
Period of Award:	04/03-11/03
Sullivan Role:	PI

OUTREACH AND COMMUNITY SERVICE

STRIVE Lab members lead or participate in multiple outreach and community services each year. For 2019 activities onward, please visit our website: https://u.osu.edu/strive/outreach/.

Guest Lecture – Delivered multiple guest lectures/demonstrations at OSU throughout the year on aquatic chemistry, wetland delineation, fish identification, and other topics (2018).

Educational Program – STRIVE lab member ran booth on wetland invasive species at Latham Park for high school students (Sept. 2018).

Demonstration – STRIVE Lab member gave demonstrations for Knox County Parks on darter collection and identification (Aug. and Sept. 2018).

Class/Diversity Initiative – Organized and offered class and field activities for incoming freshmen (20 students) that are part of NSF LSAMP (Louis Stokes Alliance for Minority Participation) program, ORWRP (July-Aug. 2017, 2018).

Panel/Discussion – STRIVE Lab member participated in advisory meeting for Kokosing River Scenic River Council. (Aug. 2018).

Educational Program – STRIVE Lab delivered presentations and a natural history tour of the Olentangy River to participants in the July Environmental Professionals Network event (July 2018).

Science Fair – Evaluated high school science projects at Stone Lab/Ohio State Science Fair (May, 2018).

Educational Program – STRIVE Lab members ran booth for the general public on wetland conservation at OSU's Westfest event (May 2018).

Educational Program – STRIVE Lab member gave presentation to local church group on research on nutrient pollution in Ohio's rivers and lakes (May 2018).

Summer Research Opportunities (SROP) – Mentored underrepresented/minority student in class, field, and lab activities related to water-science research (nutrient enrichment) (May-July 2017).

Demonstration – STRIVE Lab member demonstrated techniques for sampling stream fishes for the Ohio Scenic Rivers Program at Punderson Lake (July 2017) and in the Sandusky River (Aug. 2017).

Diversity Initiative – Contributed to "Diversity Matters in Freshwater Science", NABSbenthos video produced for and originally shown at the 2017 Society for Freshwater Science meeting (June 2017).

Guest Lecture – STRIVE Lab member delivered guest lecture to AP high school classes on wetland and stream ecology classes. William Allen High School, Allentown, PA (May 2017).

Science Fair – STRIVE Lab members participated in 23rd annual Columbus City School Exceptional Science Fair with an aquatic biota exhibit, Beechcroft High School, Columbus, with >300 students (May 2017).

Museum Open House – STRIVE Lab members volunteered at OSU's Museum of Biological Diversity's open house with >2,000 visitors (April 2017).

Guest Lecture – STRIVE Lab member delivered guest lecture and demonstration to undergraduate students at Mount Vernon Nazarene College on fish sampling (March 2017).

Guest Lecture – STRIVE Lab members delivered guest lectures to OSU student group "Buckeye Friends of Stone Lab" (March 2017), and to OSU undergraduates in Fisheries Management (Feb. 2017) and Natural History of Ohio (Feb. 2017) classes.

Diversity Initiative – College of Food, Agricultural and Environmental Science Representative to Distinguished Hispanic Ohioan Awards Gala (OSU/Columbus, Oct. 2016).

BioBlitz – STRIVE Lab members participated in 2016 biodiversity survey for Preservation Parks of Delaware County, Ohio (Sept. 2016).

Panel/Discussion – Organized panel and subsequent discussion on opportunities and broadening participation in the natural sciences for 20 underrepresented minority STEM incoming freshmen affiliated with the NSF LSAMP (Louis Stokes Alliance for Minority Participation) program, ORWRP (Aug. 2016).

Panel/Discussion – Offered presentation on updates to Clean Water Act to Ohio congressional staffers, followed by Q&A session, ORWRP (Aug. 2016).

Museum Open House – Members of my research group (STRIVE Lab) volunteered at OSU's Museum of Biological Diversity's open house with >2,000 visitors (April 2016).

Science Fair – STRIVE Lab members participated in 22nd annual Columbus City School Exceptional Science Fair with an aquatic biota exhibit, Beechcroft High School, Columbus (May 2016).

Guest Lecture – STRIVE Lab member delivered guest lecture to 4th grad classes on estuary food webs. Reynolds Park Elementary School, Miami, Florida (May 2016).

Earth Day – STRIVE Lab member presented about Ohio's non-game fish to Muskingum County middle school students (May 2016).

Natural History Event – STRIVE Lab member assisted with aquatic biodiversity canoe/kayak trip for the public on Grand River, Cleveland Museum of Natural History (May 2016).

Demonstration – STRIVE Lab member demonstrated techniques for sampling stream fishes for Zane State College class (May 2016).

Presentation – STRIVE Lab member delivered informational session on Ohio fishes at the Cincinnati Nature Center (Feb. 2016).

Stream Fish Collection and Identification – for FABE Hydrology class, Rush Run and Dysart Run, OH (yearly, 2010-2015).

Limnology Guest Lecture – "La ecología trófica de los sistemas fluviales: conceptos básicos y emergentes" ("Trophic ecology of fluvial systems: basic and emerging concepts"), National University of Colombia (Bogotá), Department of Biology (Oct. 2015).

Evolution and Ecology Club – Presentation and discussion on river restoration and dam removal, OSU Wetland Research Center (May 2015).

Earth Day – Presentation on Ohio's non-game fishes, K-12 Muskingum County middle-school students, Conesville, OH (May 2015).

Legislative Lunch Water – Quality Display: Staffed "Safe, Clean Water" display at lunch reception for legislators and legislative aides, Ohio Statehouse (Feb. 2015).
Panel Discussion/Member: DamNation Screening Discussion, SENR Scholars Program, SENR (Nov. 2014).
Class/Diversity Initiative – Science-based, hands-on "Day in the River" with St. Joseph's 7th- and 8th-grade STEM camp students, Columbus, OH (2014).
Wetland Insect Guest Lecture – Tour and discussion of wetland and riparian insects for Entomology 1101, OSU Wetland Research Center (May 2014).
Go Green, Go Buckeye Student Recruitment Event – for admitted SENR students, wetland/river natural history and fish collection demonstration, OSU Wetland Research Center (yearly, 2010-2014).
Panel Discussion/Member – Restoring our Rivers, "Imagining our Future: The Olentangy River in Columbus", OSU Department of Geography, the Ohio Union Activity Fund, and the Geography Graduate Organization, OSU Faculty Club (2013).
Raymond Memorial Golf Course Stream Clean-Up & Assessment, Columbus, OH (2009-2012).
OSU STEM Day at Olentangy River Wetlands – for high school students and parents, river/wetland ecology workshop, OSU Wetland Research Center (2012).
Workshop – STRIVE Lab members participated in macroinvertebrate monitoring workshops, Clear Creek Metro Park, Columbus, OH (2009-2011).
Demonstration – STRIVE Lab member demonstrated techniques for Westerville, OH, City Schools (2009).
Fish and Macroinvertebrate Survey Demonstration – for FABE Hydrology class, Blacklick Creek, OH (Oct. 2009).
Curriculum Infusion Workshop – for teachers at Gahanna-Lincoln High School, Gahanna, OH (Aug. 2009).
Fish Habitat and Ecology Lab – field exercise for OSU FABE Hydrology class, Mad River, OH (2008).
Natural History Event – Stream and Wetland Restoration Interpretive Trail, Bell Brook, VT (2008 – 2010).
Fish Survey and Stream Habitat – lab exercise for UI Fish Ecology class, Mica Creek, ID (2006) and Elk Creek, ID (2007).

PROFESSIONAL SERVICE

Reviewer:

Journals

African Zoology, Aquatic Conservation: Marine and Freshwater Ecosystems, Archives of Environmental Contamination and Toxicology, Auk, Biological Conservation, BioScience, Canadian Journal of Fisheries and Aquatic Sciences, Ecological Applications, Ecological Engineering, Ecology of Freshwater Fish, Ecological Research, Ecosystems, Environmental Biology of Fishes, Environmental Management, Environmental Science & Technology, Environmental Toxicology and Chemistry, Forest Ecology and Management, Freshwater Biology, Freshwater Science, Fundamental and Applied Limnology, Hydrobiologia, International Journal of Hydrobiology, Journal of Applied Ecology, Journal of the American Water Resources Association, Journal of Field Ornithology, Journal of the North American Benthological Society, Limnology & Oceanography, Philosophical Transactions of the Royal Society B (Biological Sciences), PLoS ONE, Restoration Ecology, River Research and Applications, Sustainability, Transactions of the American Fisheries Society.

Grants

BiodivERsA (pan-European funding agency), South African National Research Foundation, Hungarian Scientific Research Fund, Lake Champlain Basin Program, Illinois Water Resources Center, California Sea Grant, National Environmental Research Council (United Kingdom), US National Science Foundation

Workshops and Symposia Organized:

Multiple Stressors in River Ecosystems: Defining Present Situations and Anticipating Challenges, Sacramento, California, SFS Annual Meeting 2016, Co-organizer with Sergi Sabater (UdG an ICRA, Girona, Spain), Vinenç Acuña (ICRA, Girona, Spain), and Arturo Elosegi (EHU, Bilbao, Spain).

Biodiversidad, Conservación, y Ecología de Sistemas Fluviales ("ECOSIE") (Biodiversity, Conservation, and Ecology of Fluvial Systems), National University of Colombia, Bogotá, September/October 2015, Assisted lead organizer Jhon Charles Donato Rondón (UNAL).

Ecogeomorphology Symposium, EcoSummit, Columbus, Ohio, September/October 2012.

Ecology and Language Symposium (OSU), January 2012, Co-organizer with B. Joseph (OSU).

Regional and National Service:

Society for Freshwater Science – Board of Directors (2019-present).

Scientific Expert working with US Department of Justice, Bureau of Indian Affairs, and Coeur d'Alene Tribe of Idaho on water rights (2019-present).

Congressional Briefings to Members of Congress on Connectivity of Waters and Impacts of Proposed "Waters of the US" (WOTUS) Rule under Trump administration:

- House and Senate audiences (01/209.)
- Senate (04/2019).

National Webinars on Proposed WOTUS Rule:

- Sponsored by the American Fisheries Society (02/2019).
- Sponsored by the Society for Freshwater Science (04/2019).

Society for Freshwater Science, Education and Diversity Committee (2018-present).

Ohio Coldwater Habitat Panel/Working Group (with Ohio EPA) (07/2017-8/2018).

External Promotion & Tenure evaluator (1 in 2014, 1 in 2017).

US EPA Science Advisory Board (SAB) Panel:

- *Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis of Scientific Evidence* (08/2013-06/2014).
- *Waters of the United States Proposed Rule – Obama administration* (06/2014-09/2014).

Unit and University Service:

College of Food, Agricultural and Environmental Science Representative to National Conference on Diversity, Race & Learning (OSU/Columbus, 05/2019).

College of Food, Agricultural and Environmental Science Research Advisory Committee Member (Dean Appointed) (OSU/Columbus, 2018-current).

University Institute for Teaching and Learning's *Faculty FIT (Foundation, Impact, Transformation)* Mentor (OSU, 2018-2019).

Peer Review of Teaching (SENR, OSU; 1 in 2014, 1 in 2016, 1 in 2017, 1 in 2018).

Physical Hydrologist Search Committee Co-Chair (SENR, OSU, 2017-2018).

College of Food, Agricultural and Environmental Science Water Quality Task Force Search Committee Member (Dean Appointed) (OSU/Columbus, 2017-2019).

Diversity, Inclusion, Justice, and Equity (DIJE) Task Force Member (SENR, OSU, 2017-current).

College of Food, Agricultural and Environmental Science Representative to Distinguished Hispanic Ohioan Awards Gala (OSU/Columbus, 2016).

Vice President for Agricultural Administration and Dean of the College of Food, Agricultural, and Environmental Science Search Committee Member (Provost Appointed) (OSU, 2016).

Watershed Hydrologist Search Committee Chair (SENR, OSU, 2015-2016).

President and Provost's Teaching and Learning Summit/Institute Advisory Committee Member (OSU, 2015-2016).

Aquatics Instructional Aides Associate Search Committee Chair (SENR, OSU, 2014).

Shiermeier Olentangy River Wetland Research Park Advisory Committee Chair (SENR, OSU, 2013-2015).
Shiermeier Olentangy River Wetland Research Park Working Group Leader (SENR, OSU, 2012-2013).
Academic Affairs Committee Member (SENR, OSU, 2009-2014).
Fellowship Selection Committee Member (SENR, OSU, 2010-2012).
NRIS/GIS Committee Member (SENR, OSU, 2008-2012).
Aquatic Physiological Ecologist Search Committee Chair (SENR, OSU, 2012-2013).
Center for Biodiversity Research & Analysis Implementation Group (College of Arts & Sciences, OSU, 2012-2013).
Tinker Grant Selection Committee (Center for Latin American Studies, OSU, 2012).
Aquatic Ecologist Search Committee Member (SENR, OSU, 2010-2011).
MS Proposal Presentation Symposium Moderator (SENR, OSU, 2009, 2011).
Diversity Committee Member, Rubenstein School of Environment and Natural Resources, University of Vermont (2001-2004).
Vermont NSF EPSCoR Annual Meeting Session Coordinator, Burlington, VT (2004).
The Wildlife Society 10th Annual Conference Session Coordinator, Burlington, VT (2003).
LakeNet International Lake Management Conference Facilitator, St. Michael's College, Winooski, VT (2003).
School of Natural Resources 19th Annual Research Symposium Moderator, UVM (2002).

ORGANIZATIONS AND PROFESSIONAL AFFILIATIONS

American Society for Limnology and Oceanography
American Association for the Advancement of Science (AAAS)
Society for Freshwater Science (formerly North American Benthological Association)
American Fisheries Society (National and Ohio chapter)
Ecological Society of America
Lithuanian-American Association
Organization for Hispanic Faculty and Staff (OSU)
Center for Latin American Studies (OSU)
Phi Beta Kappa

PERMITS AND LICENSES

Federal Master Bird Banding Permit (WA, ID, MT, NV, OR, UT, KY, OH, WV, MI, IN, VA, VT); OH, WV, VA, FL State Wildlife Collection Permits.