

John Bilotta

Curriculum vitae

Senior Research and Extension Coordinator | Water Resources Center, University of Minnesota
Extension Educator | Minnesota Sea Grant

CONTACT INFORMATION

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EDUCATION

2002 University of Minnesota – Department of Soil, Water, and Climate
M.S. Soil Science: Soil Fertility

1993 University of Minnesota – College of Natural Resources
B.S. Natural Resources & Environmental Science: Soil Resources

1991 St. Cloud State University
Studies in Biology, Environmental Science, and Public Relations

PROFESSIONAL EXPERIENCE

Senior Research and Extension Coordinator
University of Minnesota Water Resources Center, 2019 – current
Minnesota Sea Grant, Extension Educator, 2009 - current

Lead and administer the Stormwater Research Program. Development and facilitate a portfolio of projects related to urban stormwater with primary responsibilities that include the acquisition and distribution of funds to support research, project coordination, conduct research, and facilitate technology transfer and distribution of research findings. Other responsibilities include administration of the Minnesota Stormwater Research Council, track legislative water policy, contribute to outcomes and impact reporting, and liaison between the Center, Minnesota Sea Grant, and the Extension Program. Extension Educator in water resources for Minnesota Sea Grant leading the Watershed Game program and efforts related to green infrastructure and stormwater including co-leading the Great Lakes Sea Grant Green Infrastructure Community of Practice.

Extension Educator – Water Resources Management
University of Minnesota Extension, 2007 – 2019
Minnesota Sea Grant, 2009-current

Program leadership for the development, implementation, instruction, and assessment for adult based stormwater education with specific primary responsibilities to lead the Northland NEMO (Nonpoint Education for Municipal Officials) Program in Minnesota and contribute to efforts of the Stormwater Education Program. Distinctive emphasis around natural resource and water management, stormwater management and policy, pollution prevention and mitigation, regulatory programs. Additional expertise and responsibilities in education product development and training for local and state water resource educators. Co-lead the Watershed Game program that includes a suite of tools, curriculum and education programming for watershed management and health. Lead the Minnesota Stormwater Research Council.

Local Extension Educator – Natural Resources & the Environment

University of Minnesota Extension Service, 1999 to 2007

Coordination, design, implementation, and teaching of natural resource educational programs designated under local water management and comprehensive plans for a diverse audience including K12, adults, organizations, and citizen groups. Specific emphasis around natural resource and water management, stormwater management & pollution, TMDL public outreach and participation, and K12 environmental education programs. Coordinate and lead projects as related to the above disciplines and as related to the implementation of the Carver County Water Management Plan, TMDL plans, and other Twin City and statewide programs.

Director of Education

Earth Adventure Organization, 2004 to current

Coordination, design, and delivery of science & geography standards based education programs. Development of supplemental study materials. Provide training to National Instructors. Write and submit grants as requested.

Extension Educator – Crop Systems – Meeker County

University of Minnesota Extension Service, 1998-1999

Provide leadership and facilitate forums for education and applied research for agricultural producers, crop advisors, and citizens. Assist in 4H and other county based programs.

Soil Scientist

Midwest Independent Soil Samplers, 1996-1998

Perform soil nutrient assessments for agricultural cooperatives, corporations, and individual producers using standardized sampling techniques coupled with the newest technologies of global positioning systems (GPS) and electronic grid-based & composite systems. Provide nutrient recommendations for GPS rate-controlled applicators. Field mapping of in-soil drainage systems. Management of data layers for geographical information systems (GIS) for large scale operations.

Resource Conservationist

Dakota Soil and Water Conservation District, 1994-1996

Provide technical and financial assistance to agricultural and rural land owners for the implementation of land and water stewardship practices. Implement and provide assistance for programs such as State-Cost Share, Conservation Reserve Program (CRP), Re-invest in Minnesota (RIM), Environmental Quality Insurance Program (EQIP) and others implemented through the Soil and Water Conservation District (SWCD) or Federal Services Agency (FSA) organizations. Secondary, provide review of urban development plat proposals for erosion & sediment control measures.

Resource Conservationist Intern

Benton Soil and Water Conservation District, 1991-1993

Conduct field inventories for abandoned wells and drained wetlands. Build GIS data layers. Implement well sealing and wetland enhancement cost-share programs with owners.

DATES OF PROMOTION

2019 Senior Research and Extension Coordinator

2012 Associate Extension Professor-Water Resources

2007 Assistant Extension Professor -Water Resource Extension Educator

PROGRAM LEADERSHIP AND MANAGEMENT

Minnesota Stormwater Research Program and the Minnesota Stormwater Research Council *(current role)*

Provide primary leadership and administration of the program and council. Efforts include coordinating and facilitating a statewide advisory board, garnering funds for research and education efforts, administering an annual request for proposals (RFP) and its review, ranking, and award process.

The Watershed Game Program *(current role)*

Co-lead the development, instruction, and dissemination of the Watershed Game program – a curriculum and land use and water planning scenario tool. Efforts include continual refinement of the four versions (Stream, Lake, River, and Classroom) and training to educators and resource professionals across Minnesota and across the country. Current efforts also include developing a coastal zone module of the game for use in other parts of the country. Previous roles included assisting with K12 and youth water literacy programs including design and implementation of water field days for students, K12 teacher science enrichment staff development trainings, and instruction with the National Project WET – Water Education for Teachers curriculum.

(Previous leadership roles)

Minnesota Northland NEMO Program – Nonpoint Education for Municipal Officials

I provide the central leadership for the Minnesota Northland NEMO Program since 2007. Primary responsibilities include the development, design, implementation, and evaluation of educational and training programs for elected and appointed leaders throughout the state with emphasis on the greater Twin Cities Metro Region. Supporting responsibilities include continual engagement with partners, leadership of interdisciplinary development and delivery teams, implementing strategic planning, conducting need assessments, and setting overall program direction, objectives, and priorities. Represent Minnesota in the National NEMO Network Program, one of 32 NEMO programs across the nation. I lead three specific components of the Northland NEMO Program:

- Provide education programs for local elected and appointed officials and community leaders.
- Execute NEMO Train-the-Trainer (T3)
- Develop new or revise existing education materials and tools.

Extension Stormwater Education Program

My role and contributions include collaboration and assistance in the development, implementation, and instruction that focuses on providing researched-based training to stormwater professionals including designers, engineers, planners, contractors, and regulators. Trainings, certification courses, workshops, and conferences concentrate on providing skills to increase the use of, proper installation of, and maintenance of LID and stormwater management practices in communities. In regards to state, regional, and national conferences, my responsibilities include leadership in planning, financial management, content coordination, evaluation, and forging interdisciplinary internal and external partnerships. Examples of programs and efforts I lead, co-lead, or make significant contributions to include:

- Stormwater Practice Maintenance Certification Course
- Green Infrastructure for Clean Water Summit
- Minnesota Water Resources Conference
- Stormwater Research Priorities and Pond Maintenance Research Project

Watershed Education Program

I contribute to leadership to address grand challenges revolving around water within the State and participate in a programmatic responses across major watershed basins in Minnesota. I share in the collaborative leadership of the Watershed Education Program (WEP) that combines other Extension and Sea Grant programs to strategically address education and research needs.

My contributions to leadership and collaboration include training and forging use of NEMO and stormwater education programs by other team members to expand outreach to watersheds across the state. In addition, I maintain and forge new working relationships with watershed units across the state and engaging in thoughtful planning with local and state agencies, stakeholder groups, and interested citizen leaders. I am a team member in multiple University teams and centers and external agencies including:

- Extension Water Resource Team
- Minnesota Sea Grant Program
- Water Resources Center
- Minnesota Pollution Control Agency, Minnesota Department of Natural Resources, and the Minnesota Board of Water and Soil Resources

Full CV follows that includes a thorough profile of my contributions in:

- Extension Teaching(pages 5-14)
- Grants and Financial Management.....(pages 15-16)
- Scholarship, Publications, Educational Materials and Research.....(pages 16 – 21)
- Professional Distinction *including presentations and awards*.....(pages 21 -28)
- Professional Development.....(pages 28 – 30)
- Service.....(pages 31-32)

EXTENSION TEACHING

NEMO WORKSHOPS-ON-THE-WATER

2017 AND 2018 records not included yet.

- Bilotta, J., et al (2016). St. Croix Workshop on the Water: Our St. Croix - Preserving a Natural, Recreational, and Economic Amenity. (100 participants). Hudson, Wisconsin.
- Bilotta, J. et al (2016). Lake Minnetonka NEMO Workshop-on-the-Water Program: Planning Together for Clean Water. A workshop for West Metro Communities. (60 participants). Mound, Minnesota.
- Bilotta, J., et al (2016). Lower Minnesota River Workshop-on-the-Water – The Dirt on Sediment Pollution for Local Leaders. (60 participants). Savage, Minnesota.
- Bilotta, J. et al (2015). Lake Minnetonka NEMO Workshop-on-the-Water Program - Lake Minnetonka - A workshop for West Metro Communities. (101 participants). Excelsior, Minnesota.
- Bilotta, J., et al (2015). St. Croix Workshop on the Water: Engaging Local Leaders to Protect and Preserve the St. Croix. (100 participants). Hudson, Wisconsin.
- Bilotta, J., Hong, A. et. al (2014). St. Croix Workshop on the Water: Engaging local leaders to preserve and enhance the St. Croix. (122 participants). Hudson, Wisconsin.
- Bilotta, J. et al (2014). Lake Minnetonka NEMO Workshop-on-the-Water Program - Lake Minnetonka - A workshop for West Metro Communities. (101 participants). Excelsior, Minnesota.
- Bilotta et al. (2013). Making Change Happen for the St. Croix River. St. Croix River NEMO workshop on-the-water program. Hudson, Wisconsin. June 2013. (100 Participants.)
- Bilotta et (2012) A View from the Big River. The Watershed Game component. NEMO workshop on-the-water. Mississippi Water Management Organization. Minneapolis, Minnesota. July 2012. (52 participants).
- Bilotta, J., Carolan, A., Gunderson, J. Hanson, M., Hong, A., Johnson, K., Kowalczak, C., Nerbonne, B., Riggs, J., Shillcox, J., Shodeen, M., Simonson, J., Sorge, B., and Wilson, B. (2011). Challenges and Solutions – Lake St. Croix NEMO workshop on-the-water. St. Croix Watershed. Hudson, Wisconsin. June 2011. (85 participants).
- Bilotta, J. and Sniegowski, E. (2011). A View from the Big River. The Watershed Game component. NEMO workshop on-the-water. Mississippi Water Management Organization. Minneapolis, Minnesota. June 2011. (47 participants).
- Bilotta, J. Davidson, J., Hubner, T., Jester, L., Kieffer, J., Missaghi, S., and Weller, L. (2010). Connecting Land and River: A NEMO Workshop on-the-water program. Lower Mississippi River Water Management Organization. St. Paul, Minnesota. October 2010. (43 participants).
- Bilotta, J. and Sniegowski, E. (2010). A View from the Big River. The Watershed Game component. A NEMO workshop on-the-water for the Mississippi Water Management Organization. Minneapolis, Minnesota. April 2010. (47 participants).

- Bilotta, J., Westerlund, J., Radmoski, P., Banschbach, Clark, R., M., Hanson, M., Hong, A., and Singh, U. (2010). Shorelines & Stormwater Addressing Impaired Waters and Protecting our Lakes and Creeks. A Northland NEMO Workshop on-the-water program for Minnehaha Creek Watershed District. Excelsior, Minnesota. July 2010. (96 participants).
- Bilotta, J., Carolan, A., Davis, M., Hanson, M., Hong, A., Johnson, G., Kienhans, J., Malick, B., McGuinness, D., Riggs, J., Shillcox, J., Shodeen, M., Sorge, B., and. (2009). A View from the River: A Guided Tour of the St. Croix Valley's Land and Water Resources. A Northland NEMO workshop on-the-water program for the St. Croix River. Hudson, Wisconsin. June 2009. (104 participants).
- Banschbach, M. and Bilotta, J. (2009). Carver Water, Environment, and Natural Resources Annual Tour. Carver Water Management Organization. Chaska, Minnesota. July 2009. (25 participants).
- Bilotta, J. and Watson, L. (2008). Connecting on the River. A NEMO workshop on-the-water program. Ramsey Washington Metro Watershed District. September 2008 (54 participants).
- Banschbach, M., Bilotta, J., Moline, P. and Aamodt, G. (2008). Carver Water, Environment, and Natural Resources Annual Tour. NEMO workshop on-the-water program. Carver Water Management Organization. Waconia, Minnesota. July 2008. (25 participants).
- Bilotta, J. and Michels, J. (2008). A View from Lake Pepin. A NEMO workshop on-the-water program. Lake City, Minnesota. June 2008. (25 participants).
- Bilotta, J., Winkelman, J., Oquist, K., Schomberg, J. Sniegowski, E., Synder, D. (2008). A View from the Big River Program. A NEMO workshop on-the-water program for the Mississippi Water Management Organization. Minneapolis, Minnesota. April 2008. (35 participants).
- Bilotta, J., Winkelman, J., Schomberg, J. Synder, D., and Westerlund, J. (2007). A View from the Big River Program. A NEMO workshop on-the-water program for the Mississippi Water Management Organization. Minneapolis, Minnesota. April 2008. (41 participants).

NEMO and STORMWATER U COMMUNITY WORKSHOPS & PRESENTATIONS

2018

- Bilotta, J. (2018). The Watershed Game NEMO Extension Workshop. Coon Creek Watershed District. Cities of Spring Lake Park, Fridley, Coon Rapids, Blaine, Andover, Ham lake, and Columbus. (16 participants).
- Bilotta, J. and Yetka, L. (2018). Green Infrastructure for Clean Water. A NEMO Extension workshop with Hennepin County Master Gardeners. Minneapolis, Minnesota. (195 participants). Recording located [here](#)

2017

Bilotta, J. Noordyk, J. and Schomberg, J. (2017). Tackling Barriers to Green Infrastructure; Taking an audit of local codes and ordinances. A workshop for community planners, engineers, and leaders. Duluth, Minnesota.

Missaghi, S. Chapman, J., Erickson, A. and Bilotta, J. (2017) Stormwater Practice Operations and Maintenance Certification Course. University of Minnesota Landscape Arboretum. Chaska, Minnesota.

2016

Bilotta, J. (2016). Linking Land Use, Land Management, Stormwater, and our Community's Clean Water. Cities of Bloomington and Richfield; Richfield-Bloomington Watershed Management Organization annual meeting. (25 participants). March 2016. Bloomington, Minnesota.

Bilotta, J. (2016). The Watershed Game. Living on the Land Extension Program. . (15 participants). March 2016. Rogers, Minnesota.

2015

Bilotta, J. (2015). NEMO Introduction. City of St. Louis Park, Minnesota. (12 participants). St. Louis Park, Minnesota.

Bilotta, J. (2015). NEMO Introduction. City of St. Minnetonka, Minnesota. (20 participants). Minnetonka, Minnesota.

Bilotta, J. (2015). NEMO Winter Road and Parking Lot Management for Local Leaders. A NEMO workshop on chloride management. Minnetonka, Minnesota. (23 participants).

Bilotta, J. (2015). Stormwater impacts, the toolbox of strategies, and the fundamental five operations and maintenance questions. Stormwater Practices Maintenance Workshop and Certification Program. Blaine, Minnesota. (50 participants).

2014

Bilotta, J. (2014). NEMO Introduction. Riley Purgatory Bluff Creek Watershed District Board of Managers. (12 participants). Eden Prairie, Minnesota.

Bilotta, J. (2014). NEMO Introduction. Nine Mile Creek Watershed District Board of Managers. (7 participants). Edina, Minnesota

Bilotta, J. (2014). Stormwater U: Street Sweeping as a Stormwater Best Management Practice. Carver County Water Management Organization Annual Stormwater Workshop. (50 participants). Chanhassen, Minnesota.

Bilotta, J. (2014). NEMO Linking Land Use to Clean Water NEMO Workshop - West Metro Region. (34 participants). Edina, Minnesota.

Bilotta, J. (2014). NEMO Linking Land Use to Clean Water NEMO Workshop - West Metro Region. (40 participants). Excelsior, Minnesota.

Missaghi, S., Bilotta, J. and Chapman, J. (2014). Stormwater U: An Introduction to Stormwater Practices Maintenance. (50 participants). Eden Prairie, Minnesota.

Bilotta, J., Malchow, D., Burkett, E, Missaghi, S., and Terry, K. (2014). The Watershed Game. State of Water Conference. Brainerd, Minnesota.

2013

Michels, J. and Bilotta, J. (2013). MIDS Model Ordinances. City of Bayport and Washington County. Bayport, Minnesota. (20 participants).

Bilotta, J. and Isensee, M. (2013). NEMO Linking Land Use to Water Quality Workshop. City of Red Wing, Minnesota. (25 participants).

Michels, J. and Bilotta, J. (2013). MIDS Model Ordinances. (12) Workshop series with St. Croix Watershed Pilot Communities (Lindstrom, Center City, and Chisago City. (6-8 participants per workshop).

Bilotta, J., Yetka, L., Finke, D. and Scherer, S. (2013). NEMO Linking Land Use to Water Quality Workshop. City of Medina, Minnesota. (25 participants).

Bilotta, J. (2013). NEMO Linking Land Use to Water Quality Workshop. City of Minnetonka, Minnesota. (20 participants).

2012

Bilotta, J. (2012). NEMO Workshop with City of Lindstrom - MIDS Model Ordinances. St. Croix Watershed 319 MIDS Pilot Project. Lindstrom, Minnesota. December 5, 2012. (8 participants).

Bilotta, J. (2012). NEMO Workshop with Center City - MIDS Model Ordinances. St. Croix Watershed 319 MIDS Pilot Project. Center City, Minnesota. December 17, 2012. (8 participants)

Bilotta, J. (2012). NEMO Workshop with Chisago City of Lindstrom - MIDS Model Ordinances. St. Croix Watershed 319 MIDS Pilot Project. Chisago City, Minnesota. December 6, 2012. (10 participants)

Bilotta, J., Yetka, L., Rozumalski, F., Herbst, D., Robinson, P., Gordon, L., Finke, D., and Petrik, D. Conservation Design Principals for Local Leaders. NEMO Workshop. Shorewood, Minnesota. September 5, 2013. (20 participants)

Bilotta, J. and Michels, J. (2012) Stormwater and Erosion Control Ordinances. A series of four NEMO workshops on the MIDS Community Assistance Package for the Chisago Pilot Communities. June 14, June 28, July 12, and July 26, 2012. Lindstrom, Minnesota. (15 participants per workshop; total 60 participants.)

Bilotta, J. and Coleman, J. (2012) Introduction to the MIDS Community Assistance Package A NEMO workshop on the MIDS Community Assistance Package for the City of East Bethel. August 28, 2012. East Bethel, Minnesota. (20 participants.)

Bilotta, J., Strong, V., and ETC. (2012). Clean Water Goals for our Community - An Open House and Workshop on the nutrient and bacteria TMDL. NEMO Workshop. May 3, 2012. (37 participants).

Missaghi, S., Bilotta, J., Yetka, L., Strong, V., Bleser, C., Sevelund, M. (2012). An Introduction to Stormwater BMPs. The Watershed Game. Stormwater U Workshop. May 6, 2012. Minnetonka, Minnesota. (50 participants).

2011

Bilotta, J. and Malchow, D. (2011). Clean Lakes and Rivers. NEMO Workshop. St. Croix Watershed 319 MIDS Pilot Project. Mora, Minnesota. September 28, 2011. (22 participants).

Bilotta, J. and Malchow, D. (2011). Clean Lakes and Rivers. NEMO Workshop. St. Croix Watershed 319 MIDS Pilot Project. Hinckley, Minnesota. September 30, 2011. (25 participants).

Bilotta, J. (2011). Trees as Green Infrastructure for Clean Water. Tree City USA Award Program and NEMO Workshop. Minnesota Landscape Arboretum. Chanhassen, Minnesota. September 8, 2011. (44 participants).

Bilotta, J. and Michels, J. (2011). Stormwater Practices and Policies for Clean Lakes. Chisago Lake Improvement District. Lindstrom, Minnesota. July 28, 2011. (16 participants).

Bilotta, J. and Isensee, M. (2011). Redevelopment and Stormwater Management Practices – Capturing the raindrop during street reconstruction and redevelopment. Science Museum of Minnesota. Lower Mississippi River Watershed. April 30, 2011. (19 participants).

Bilotta, J., Westerlund, J., Burkett, E., Thielen Cremers, Froemming, J. and K. Terry, K. (2011). Understanding Your Watershed and Choosing Projects - Watershed, Stream, & Lake Ecology workshop featuring the Watershed Game. Minnesota Waters Spring Conference. April 28, 2011. (~60 participants).

Bilotta, J., Hafner, J., Missaghi, S., and Riggs, J. (2011). Retrofitting Stormwater Best Management Practice in Redeveloping Highly Urban Communities - NEMO workshop with GTS. April 1, 2011. (17 participants).

Bilotta, J., Burkett, E., Froemming, J., Mezner, L., Terry, K., and Westerlund, J. (2011). Stormwater Management 101 for Local Leaders. Brainerd, MN. March 30, 2011. (25 participants).

Bilotta, J., Bleser, C. and Luthhold, K. (2011). Capturing the Rain Drop During Street Reconstruction – opportunities for stormwater management. City of Edina. February 7, 2011. (27 participants).

Bilotta, J. and Bleser, C. (2010). NEMO Linking Land Use to Water Quality Workshop. City of Edina. Edina, Minnesota. November 8, 2010. (25 participants).

Bilotta, J., Eng, C., Mueller, M., and Spetzman, J. (2010). Chisago Area Lakes Spring Checkup - A NEMO workshop to explore the needs to preserve, protect, and enhance our community's lakes. Lindstrom, Minnesota. May 2010. (18 participants)

Bilotta, J., Liepold, P., Theil, T. and Zabel, M. (2010). Building Understanding, Knowledge, & Skills – A workshop for local elected & appointed officials in the community. A NEMO workshop for the Vermillion River Watershed. Farmington, Minnesota. June 2010. (20 participants).

- Bilotta, J., Isensee, M., and Thiel, T. (2010). Apply the Watershed Standards – Examples of Practices: Stormwater Management & Buffer Practices. A NEMO workshop for the Vermillion River Watershed. Farmington, Minnesota. September 2010. (15 participants).
- Bilotta, J., Thielen Cremers, K., Hauck, M., Vollbrecht, L., Votruba, P., and Weller, L. (2010). Moving Forward the Shared Vision of the Mississippi River in Central Minnesota – A continuation of the Mississippi River Renaissance Project. A Northland NEMO Workshop for the Mississippi River Renaissance Project. St. Cloud, Minnesota. May 2010. (15 participants).
- Bilotta, J. The Watershed Game. (2010). A NEMO workshop with the Shingle Creek and West Mississippi River Watersheds. Brooklyn Park, Minnesota. April 2010. (25 participants).
- Bilotta, J. The Watershed Game. (2010). A NEMO workshop with the West Metro Water Alliance. Plymouth, Minnesota. April 2010. (12 participants).
- Bilotta, J., Banschbach, M., and Bintner, R. (2010). The Watershed Game and Understanding Impaired Waters. A NEMO workshop for the City of Prior Lake and the Prior Lake and Spring Lake Watersheds. Prior Lake, Minnesota. January 2010. (25 participants).
- Bilotta, J. (2010). The Watershed Game. A NEMO workshop for the Ramsey – Washington Metro Watershed District Advisory Board. Little Canada, Minnesota. January 2010. (15 participants).
- Bilotta, J. Hagley, C., and Schomberg, J. (2010). The Watershed Game. Minnesota Sea Grant Advisory Board and Staff. Duluth, Minnesota. January 2010. (25 participants).
- Bilotta, J., Hagley, C., Schomberg, J., Hong, A., Westerlund, J., and Hanson, M. (2010). The Watershed Game and Northland NEMO Program Update. Minnesota Department of Natural Resources Statewide Stakeholder Advisory Group. Brooklyn Center, Minnesota. January 2010. (40 participants, Watershed Game and 80 participants for the NEMO Program Update).
- Bilotta, J. and Missaghi, S. Linking Land Use to Water Quality. (2010). NEMO Workshop with City of Worthington and Okabena–Ocheda Watersheds. February 2010. Worthington, Minnesota. (21 participants).
- Bilotta, J. (2009). An Introduction to Low Impact Development. Northland NEMO Workshops. Owatonna, Minnesota. February 28 and March 24, 2009. (n/a participants).
- Bilotta, J. (2009). Low Impact Development in a Redeveloping Community. A Northland NEMO Presentation. Crystal, Minnesota. March 9 & March 19, 2009. (30 participants).
- Bilotta, J. (2009). Low Impact Development in a Redeveloping Community. A Northland NEMO Presentation. White Bear Lake, Minnesota. July 2009. (12 participants).
- Bilotta, J., Riley, J. and Woods, S. (2009). Green Infrastructure for your community: Using Nature’s Free Services for Clean Water and Land Conservation. A NEMO Workshop at the Minnesota Green Infrastructure Conference. Minnesota Landscape Arboretum . Chaska, Minnesota. September 2009. (54 participants).

- Bilotta, J., Griffin, T., and Watson, L., (2009). Linking Land Use to Water Resource Management. A Northland NEMO workshop at the Science Museum of Minnesota for the Ramsey – Washington Metro Watershed District. St. Paul, Minnesota. February 2009. (17 participants).
- Bilotta, J., Griffin, T., Hanson, M. and Riggs, J. (2009). Linking Land Use to Water Resource Management. A Northland NEMO workshop at the Science Museum of Minnesota for Lower St. Croix River Watershed. St. Paul, Minnesota. April 2009. (20 participants).
- Bilotta, J., Griffin, T., and Watson, L., (2009). Linking Land Use to Water Resource Management. A Northland NEMO workshop at the Science Museum of Minnesota for the Ramsey – Washington Metro Watershed District. St. Paul, Minnesota. February 2009. (17 participants).
- Bilotta, J., Griffin, T., Hanson, M. and Riggs, J. (2009). Linking Land Use to Water Resource Management. A Northland NEMO workshop at the Science Museum of Minnesota for Lower St. Croix River Watershed. St. Paul, Minnesota. April 2009. (20 participants).
- Bilotta, J., Thielen Cremers, K. and Hauck, M. (2009). Getting To Know YOUR Mississippi River: Community Values of the Mississippi. A Northland NEMO workshop on-the-water program. Mississippi River Renaissance Project. St. Cloud, Minnesota. July 2009. (25 participants).
- Bilotta, J., Colleran, J., Evenson, E Hanson, P., Moline, P. Sventek, J., Westerlund, J., and Wishnack, J. (2008). Incorporating Water Resource Protection into Local Comprehensive Plans. A workshop about incorporating water resource protection into local water management plans. Minnehaha Creek Watershed and Carver Water Management Organization. Chaska, Minnesota. February 2008. (37 participants).
- Bilotta, J. (2008). Linking Land Use to Water Quality. NEMO presentation. August 2008. Lake Elmo, Minnesota. (20 participants.)
- Bilotta, J. (2008). Linking Land Use to Water Quality. NEMO presentation. Ramsey-Washington Metro Watershed District. May 2008. Little Canada, Minnesota. (10 participants.)
- Bilotta, J., Hong, A., Riggs, J., Sventek, J., Gelbmann, A., Lewis, M., Goebel, A., Missaghi, S., and Schmidt, R. (2007). Incorporating Water Resource Protection into Local Comprehensive Plans. A workshop about incorporating water resource protection into local water management plans. Washington County Conservation District and the Ramsey-Washington Metro Watershed District. Stillwater, Minnesota. December 2007. (50 participants).
- Bilotta, J. (2007). Linking Land Use to Water Quality. NEMO Presentation. Prior Lake, Minnesota. September 2007. (8 participants).
- Bilotta, J. and Missaghi, S. (2007). Linking Land Use to Water Quality. NEMO Workshop with City of Worthington and Okabena – Ocheda Watersheds. August 2007. Worthington, Minnesota. (20 participants).

NEMO LESSONS ACROSS THE LANDSCAPE

- Bilotta, J. (2015). Protecting and improving lakes and streams in Forest Lake. A NEMO workshop and tour of stormwater practices. Forest Lake, Minnesota. (29 participants).
- Bilotta, J. (2014). Streambanks and Stormwater: A NEMO workshop and tour of practices in communities. (22 participants). Eden Prairie, Minnesota.
- Bilotta, J., Christopherson, M., Mel, C., Michels, J. Mold, C. Mueller, M., Spetzman, J., and Thiel, C. (2010). Chisago Area Lakes Lessons Across the Landscape - A workshop featuring an interactive bus tour to build knowledge and understanding about how local land use decisions affect the quality of our lakes and the various practices we can implement. Lindstrom, Minnesota. August 2010. (17 participants).
- Bilotta, J., Thielen Cremers, K., Hauck, M., Berg, G., Perry, J., Radomski, P., and Rasmussen, A. (2010). Land Use Impacts in the Shoreland Zone: A Continuation of the Mississippi River Renaissance (MRR) Project. A Northland NEMO Lessons Across the Landscape Workshop for the Mississippi River Renaissance Project. St. Cloud, Minnesota. September 2010. (25 participants).

NEMO TRAIN-THE-TRAINER

- Bilotta, J. and Hagley, C. (2017). The Watershed Game Train-the-Trainer Workshop Rockford, Illinois. (35 participants).
- Bilotta, J. (2017). The Watershed Game Train-the-Trainer Workshop. MPCA Green Corp Program. St. Paul, Minnesota. (5 participants).
- Bilotta, J. and Hagley, C. (2016). The Watershed Game Train-the-Trainer Workshop. Galena, Illinois. (40 participants).
- Bilotta, J. and Hagley, C. (2016). The Watershed Game. Association of Extension Natural Resource Professionals and the National Association of Community Development Extension Professionals joint biannual conference. Burlington, Vermont. (12 participants)

National Selected Workshop

- Bilotta, J. (2016). The Watershed Game: Classroom Version St. Croix Basin Summit. University of Wisconsin River Falls. March 23, 2016. (16 participants)
- Bilotta, J. (2016). The Watershed Game: Classroom Version Watershed Partners. Minneapolis, Minnesota. March 23, 2016. (9 participants)
- Bilotta, J. (2015). The Watershed Game Classroom Version Teacher Training. A training program with Minnesota Project WET – Water Education for Teachers. Great Lakes Aquarium. Duluth, Minnesota. (20 participants).
- Bilotta, J. (2013). Watershed Game Faciliator Train-the-Trainer Workshop. Iowa Water Conference. Ames, Iowa. (15 participants).

Bilotta, J., Hagley, C., and Schomberg, J. (2013). Watershed Game Facilitator Train-the-Trainer Workshop. International Low Impact Development Symposium. August 2013. St. Paul, Minnesota. (20 participants).
*Blind-Juried National Selected Presentation*

Bilotta, J., Hagley, C., and Schomberg, J. (2013) Watershed Game Facilitator Train-the-Trainer Workshop. Duluth, Minnesota. August 2010. (17 participants).

Bilotta, J., Hagley, C., and Schomberg, J. (2011) Watershed Game Facilitator Train-the-Trainer Workshop. National train-the-trainer workshop in cooperation with the National NEMO Network and the Great Lakes Sea Grant Network. New Hampshire. April 14, 2011. (17 participants).

Bilotta, J. and Hagley, C. (2011). Watershed Game Train-the-Trainer Advanced Facilitator Forum. March 28, 2011. (6 participants).

Bilotta, J., Hagley, C., and Schomberg, J. (2010) Watershed Game Facilitator Train-the-Trainer Workshop. Duluth, Minnesota. February 2010. (17 participants).

Bilotta, J. (2011) Watershed Game Facilitator Train-the-Trainer Workshop. St. Paul, Minnesota. June 2011. (2 participants).

Bilotta, J., Hagley, C., and Schomberg, J. (2010). Preparing the Northland NEMO Presenter: NEMO Linking Land Use to Water Quality Train-the-Trainer Workshop. St. Paul, Minnesota. December 2010. (19 participants).

Bilotta, J., Hagley, C., and Schomberg, J. (2009). Watershed Game Facilitator Train-the-Trainer Workshop. St. Paul, Minnesota. October 2009. (23 participants).

Bilotta, J., Hagley, C., Schomberg, J., and Westerlund, J. (2008). NEMO 101 Basic Train-the-Trainer Workshop. St. Paul, Minnesota. February 2008. (11 participants).

ADDITIONAL EXTENSION TEACHING

Bilotta, J. and Davenport, M., (2014). Conservation Marketing; To Whom and How. A workshop at the 2014 BWSR Academy. (40 participants). Brainerd, Minnesota.

Bilotta, J. (2014). The Watershed Game. Minnesota Green Corp Training. Private internal training for the Minnesota Pollution Control Agency. (8) participants.

Bilotta, J. (2014). The Watershed Game. ESPM 3102/5102. Managing International Natural Resources Programs and Projects: Forests, Water, and Land Use. Department of Forest Resources. (8) participants.

Missghi, S., Bilotta, J., Isensee, M., and Schmidt, R. (2013). Stormwater U – Introduction to Stormwater BMPs. (12 participants).

Bilotta, J. (2011). Honest Broker verses Advocacy. Responsible Conduct in Research seminar for Minnesota Sea Grant Staff and Advisory Committee Members. Duluth, Minnesota. April 13, 2011. (25 participants).

Bilotta, J. (2011). Honest Broker verses Advocacy. Responsible Conduct in Research seminar for Minnesota Water Resource Center Staff. St. Paul, Minnesota. June 9, 2011. (7 participants).

Bilotta, J., Wozney, B, Becker Kudelka, A., Lewis, M., Westrick, M., and Haertel, J. (2010). Education & Outreach Plan Development. A cohort train-the-trainer pilot workshop series. University of Minnesota Extension and the Minnesota Board of Water and Soil Resources. A series of 4 workshops. January, February, March, and April, 2010. (8 participants).

GRANTS AND FISCAL PROGRAM MANAGEMENT

- 2020 Bilotta, J. et al. The Watershed Education Program (i.e. The Watershed Game Program). \$56,500. Grant from the National Sea Grant Office and NOAA Regional Collaboration Teams. Subaward granted in the overall MNSG Omnibus package.
- 2019 (Peterson, J. (Principal Investigator). Bilotta co-administrator. Stormwater Research and Technology Transfer Program. \$1.5M allocation from the Clean Water Council and the Minnesota Legislature.
- 2019 (Bilotta, J. et al) Managed Aquifer Recharge. \$350K Grant from Legislative-Citizen Commission on Minnesota Resources.
- 2019-20 Minnesota Stormwater Research Council. Acquisition and administration of annual funds. \$115K.
- 2019-20 Watershed Game Coast Model Project. Acquisition, pooling and management of funds from multiple Sea Grant programs to conduct phase I of Coast Model development. \$20K MI-AL SG, \$7K LASG, and \$2K GASG.
- 2017-19 Minnesota Stormwater Research Council. Acquisition and administration of annual funds. \$215K.
- 2017-18 Winslow, C. (Principal Investigator), Bilotta, J., Day, J., Fussel, K., Lee, D., Noordyk, J. and Salazar, K. : Green Infrastructure and Stormwater Management: A workshop to explore decision support tools to support community resiliency. Sea Grant-NOAA Regional Integration Grant. \$50,000.
- 2017-18. Schomberg, J. (Principal Investigator); Bilotta, J. contributor. Minnesota Sea Grant Supports National Visioning Efforts. National Sea Grant Office. \$30,000.
- 2017 Watershed Game Train-the-Trainer Program Contracts. \$3795
- 2017 Watershed Game sales \$1500
- 2016-2018 Peterson, J. et al (Bilotta listed as co-investigator). Stormwater Research Priorities and Pond Maintenance Project. \$550K.
- 2016 Bilotta, J. (Contract Principal Lead). Extension Program Agreements for NEMO in multiple watersheds. Six contracts in excess of \$7,000.
- 2015 Bilotta, J. (Contract Principal Lead). Extension Program Agreements for NEMO in multiple watersheds. Six contracts in excess of \$16,000.
- 2013-15 Bilotta, J. (Principal Investigator), Hagley, C., and Schomberg, J. Creating and Pilot Testing of K12 Watershed Game. Department of Natural Resources – Minnesota’s Lake Superior Coastal Program. \$47,458.

- 2014 Bilotta, J. (Contract Principal Lead). Extension Program Agreements for NEMO in multiple watersheds. 5 Contracts to date \$16,000.
- 2014 Bilotta, J. and Missaghi, S. Program revenue management from 2013 International Low Impact Development Symposium. \$17,000.
- 2013 Bilotta, J. (Contract Principal Lead). Extension Program Agreements for NEMO MIDS CAP workshops in St. Croix Pilot Communities. \$4000.
- 2011-13 Bilotta, J. (Principal Investigator). NEMO Program Grant. Minnesota Board of Water and Soil Resources. \$76,500.
2010. Bilotta, J. (Principal Investigator). NEMO Program Grant. Minnesota Board of Water and Soil Resources. \$40,000.
- 2010-11. Bilotta, J. (Contract Principal Lead). Extension Program Agreements for NEMO workshops. \$7700.
One time and multiple short-term workshops and programs for communities.
- Chisago Lakes Lake Improvement District. Three workshops: May 2010, August 2010, and June 2011. \$3000.
 - Mississippi River Renaissance Project . Two workshops; May 2010 and September 2010. \$2000.
 - Lower Mississippi River Watershed. Three workshops; August 2010, October 2010, and April 2011). \$2000.
 - Minnesota Department of Natural Resources. NEMO Watershed Game Workshop. DNR Stakeholder Advisory Committee. \$700.
- 2010-2012. Bilotta, J. (Contract Principal Lead). Washington Conservation District. NEMO St. Croix Watershed MIDS Pilot Project. (January 2011-June 2012). \$9750.
- 2010-13. NEMO Watershed Game sales. (Principal Manager). Sale and disbursement of 23 Northland NEMO Watershed Games. Amounts on-going.
2009. Bilotta, J. (Contractor). NEMO Workshop Grant with the Science Museum of Minnesota. . McKnight Foundation. Additional partners include the St. Paul Riverfront Corporation, the Center for Earth-Surface Dynamics at the University of Minnesota. \$32,157.
- 2007-2008. Pardello, R. and Bilotta, J. (Co- Principal Investigators). NEMO Program Grant. Minnesota Pollution Control Agency. \$40,000.
- 2007-2009. Pardello, R. and Bilotta, J. (Co- Principal Investigators). NEMO Program Grant. Metropolitan Council. \$47,550.

SCHOLARSHIP: PUBLICATIONS, EDUCATIONAL MATERIAL, & RESEARCH
denotes form of peer review

2016-2018

Bilotta, J. and Terry, K. (2018). On the Water; Near the Water. Place-Based Extension Water Education Programs. Association of Natural Extension Professionals newsletter article. Summer 2018.

Bilotta, J. and Terry, K. (2018). On the Water; Near the Water. Place-Based Extension Water Education Programs. North Central Region Water Network September 2018.
<https://northcentralwater.org/on-the-water-near-the-water-place-based-extension-water-education-programs/>

Erickson, A., Aichinger, C., Gulliver, G. and Bilotta, J. (2017). Stormwater Research in Minnesota – Meeting the needs for the next decade. University of Minnesota Water Resources Center.
#Ex-post Peer Review of Publication

Bilotta, J. (2017). Stormwater Research Needs and Prioritization Criteria | Meeting the needs of policy actors and professionals to meet urban clean water goals. Written as a part of the SWRR Project and for Public Affairs 5041: Qualitative Research Methods. University of Minnesota.
#Ex-post Peer Review of Publication

Bilotta, J., Bohman, B., Helin, A, and Mittag, E. (2017). Minnesota Groundwater Quality Policy Brief: The State of the Resource. A report discussing current groundwater contaminants of concern and policy options for the future. Written for Public Affairs 5723 – Water Policy.

Research

Baker, L., Chapman, J., Bilotta, J., and Missaghi, S. (2017-18). Minnesota Stormwater Research Roadmap. University of Minnesota Water Resources Center.

Publications

NEMO Workshops-on-the-water curriculum

- **Planning Together for Clean Water.** Lake Minnetonka. 13pp.
- **The Dirt on Sediment Pollution.** Lower Minnesota River. 14pp.
- **The St.Croix River** – Preserving a Natural, Recreational, and Economic Amenity. 14pp.

#Ex-post Peer Review of Publications

2015

Bilotta, J., Hagley, Cynthia, and Schomberg, J. (2015). The Watershed Game: Classroom Version. Minnesota Sea Grant and Minnesota Extension curriculum.

Bilotta, J. (2015). The Watershed Game: Educating Local Leaders of Today and Tomorrow. ANREP Newsletter. Summer 2015.

Bilotta, J. (2015). The Watershed Game: Educating Local Leaders of Today and Tomorrow. Extension Shore to Shore Newsletter. Summer 2015.

NEMO Workshops-on-the-water curriculum

- **Lake Minnetonka Workshop-on-the-Water.** 20pp.
- **An introduction to the water quality, land use, and health of the St. Croix River.** 25pp.

#Ex-post Peer Review of Publications

2014

Bilotta, J. (2014). Healthy lawns and the healthy soils beneath them are a stormwater best management practice. Turf management for increased infiltration. University of Minnesota Extension publication.

#Ex-post Peer Review of Publication

NEMO Workshops-on-the-water curriculum

- **Lake Minnetonka Workshop-on-the-Water.** 10pp.
- **Engaging local leaders to preserve and enhance the St. Croix.** 10pp.

#Ex-post Peer Review of Publications

2013-2014

Bilotta, J., Hagley, C., and Schomberg, J. (2014) Creating, Pilot-Testing, and Sharing a Classroom Friendly Version of the Northland NEMO Watershed Game. On-going research project to create a K12 version of the Watershed Game with electronic enhancements. Research funded by the funded in part by the Coastal Zone Management Act of 1972, as amended, by the NOAA's Office of Ocean and Coastal Resource Management, in conjunction with Minnesota's Lake Superior Coastal Program.

Research project (on-going)

2013

Bilotta, J. (2013). It's All About Playing the Game— The Watershed Game— for Sustainable Coastal Communities. Sea Grant Sustainable Coastal Community Development Bulletin. National Sea Grant. SCCD Network. NOAA. January 2013.

2012

Bilotta, J. and Johnson, J. (2011). Trees, Roots, and Their Role in Stormwater Management. *# Ex-post Peer Review of Presentation*

Winkelman, J. and Bilotta, J. (2011). Guided View of the Mississippi River. View from the Big River NEMO Program. Guided View curriculum for a Northland NEMO workshop-on-the-water workshop. Mississippi Water Management Organization. Minneapolis, MN. 5 pages.

Bilotta, J., Carolan, A, Hanson, M., Hong, A. , Shillcox, J., and Shodeen, M. (2011). Guided View of the St. Croix River. Challenges and Opportunities. Guided View curriculum for

a Northland NEMO workshop-on-the-water workshop. University of Minnesota Extension. Hudson, WI. 8 pages.

http://files.dnr.state.mn.us/waters/ws_rivers/map_and_case_studies_2011_vi.pdf

#Ex-post Peer Review of Publication

Bilotta, J. (2011). Stormwater retrofit case studies curriculum. Lower Mississippi River Watershed Management Organization NEMO Workshop. University of Minnesota Extension. St. Paul, MN. 8 pages.

Bilotta, J. (2011). Northland NEMO News and Announcements. Electronic newsletter. 6 on-line editions throughout the year. University of Minnesota Extension and the Northland NEMO Program.

Bilotta, J. (2011). There is more to trees than shade and swings: Trees, Roots, and Their Role in Stormwater Management. Shore to Shore Newsletter. University of Minnesota Extension. November-December 2011. Issue #106

Bilotta, J. (2011). Water and Land Use Impact Education to Local Elected and Appointed Leaders – One Community at a Time. Shore to Shore Newsletter. University of Minnesota Extension. September – October 2011. Issue #105

Bilotta, J. (2010). Linking Land Use to Water Quality. PowerPoint presentation and speaker notes for Northland NEMO Train-the-Trainer workshop. University of Minnesota Extension.

#Ex-post Peer Review of Internal Presentation

Bilotta, J. (2010). NEMO Scoping Session and Setting the Stage Worksheet. University of Minnesota Extension. 2 pages.

<http://northlandnemo.org/images/01192011NEMOProgramScopingSessionandSettingtheStageWorksheet.pdf>

#Ex-post Peer Review of Publication

Bilotta, J. (2010). Lessons Across the Landscape - A Guided View NEMO Workshop for Chisago Lakes Lake Improvement District. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. University of Minnesota Extension. 12 pages.

<http://northlandnemo.org/images/11092010ChisagoLakesLIDNEMOLessonsAcrossLandscape.pdf>

#Ex-post Peer Review of Publication

Bilotta, J. (2010). Land Use Impacts in the Shoreland Zone - Continuation of the Mississippi River Renaissance (MRR) Project. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. University of Minnesota Extension. 8 pages.

<http://northlandnemo.org/images/11092010MRRNEMOLessonsAcrossLandscape.pdf>

#Ex-post Peer Review of Publication

Bilotta, J. and Westerlund, J. (2010). Shorelines & Stormwater: A Guided View of Lake Minnetonka. Minnehaha Creek Watershed District. 10 pages.

<http://northlandnemo.org/images/11092010MCWDSshorelines&StormwaterNEMOProgramSummaryJuly%202010.pdf>

#Ex-post Peer Review of Publication

Winkelman, J. and Bilotta, J. (2010). Guided View of the Mississippi River. View from the Big River NEMO Program. Curriculum for a Northland NEMO Guided View Workshop. Mississippi Water Management Organization. Minneapolis, MN. 5 pages.

#Ex-post Peer Review of Publication

- Bilotta, J. (2010). Connecting Land and River. Guided View curriculum for a Northland NEMO workshop-on-the-water workshop. Lower Mississippi River Joint Powers Board. University of Minnesota Extension.
<http://northlandnemo.org/images/11092010LowerMissRiverWMOGuidedView.pdf>
- Bilotta, J. (2010). Northland NEMO Launches a New Educational Tool: The Watershed Game. Shore to Shore Newsletter. University of Minnesota Extension. January – February 2010. Issue #95
- Bilotta, J. (2010). Northland NEMO News and Announcements. Electronic newsletter. 9 publications. University of Minnesota Extension and the Northland NEMO Program.
- Bilotta, J. (2009). Northland NEMO News and Announcements. Electronic newsletter. 15 on-line editions throughout the year. University of Minnesota Extension and the Northland NEMO Program.
- Bilotta, J. Hagley, C., Liukkonen, B., Westerlund, J., Schomberg, J. and Winkelman, J. (2009). The Watershed Game. University of Minnesota Extension, Minnesota Sea Grant, and the Northland NEMO Program.
<http://northlandnemo.org/images/NEMOWatershedGame1PagerMin2.pdf>
#Ex-post Peer Review of Publication
- Bilotta, J. and Westerlund, J. (2009). Greenspeak. Green infrastructure vocabulary for local decision makers. Fact sheet for the Clean Water Summit. September 2009. 2 pages.
<http://northlandnemo.org/images/GreenSpeakforWeb.pdf>
#Ex-post Peer Review of Publication
- Bilotta, J., Hanson, M., Shodeen, M., Hong, A. Carolan, A, and Shillcox, J. (2009). Guided View of the St. Croix River. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. University of Minnesota Extension. Hudson, WI. 30 pages.
http://northlandnemo.org/images/11092010st_croix_guided_view.pdf
#Ex-post Peer Review of Publication
- Bilotta, J., Hauck, M., and Cremmers, K.T. (2009). Getting to Know Your Mississippi River: Community Values and the Mississippi. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. University of Minnesota Extension, Minnesota Department of Natural Resources, and the Mississippi River Renaissance Project. St. Cloud, Minnesota. 2 pages
#Ex-post Peer Review of Publication
- Bilotta, J. and Winkelman, J. (2008). Guided View of the Mississippi River. View from the Big River NEMO Program. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. Mississippi Water Management Organization. Minneapolis, MN. 4 pages.
#Ex-post Peer Review of Publication
- Bilotta, J. (2008). Surface Water and Ground Water Example Policy Statements that can be incorporated into comprehensive plans. University of Minnesota Extension Draft document. 2008. 12 pages
#Ex-post Peer Review of Publication

Bilotta, J. and Watson, L. (2008). Connecting on the River. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. University of Minnesota Extension and the Ramsey-Washington Metro Watershed District. 5 pages.

#Ex-post Peer Review of Publication

Bilotta, J., and Westerlund, J. (2008). Linking Land Use to Water Quality. Northland NEMO PowerPoint presentation (revised). University of Minnesota Extension.

#Ex-post Peer Review of Presentation

Bilotta, J. (2008). Minnesota – Land of 10,000+ lakes and stormwater. ANREP Newsletter. Summer 2008.

Bilotta, J. and Winkelman, J. (2007). Guided View of the Mississippi River. View from the Big River NEMO Program. Curriculum for a Northland NEMO Lessons Across the Landscape Workshop. Mississippi Water Management Organization. Minneapolis, MN. 5 pages.

#Ex-post Peer Review of Publication

Bilotta, J. and Missaghi, S. (2007). Stormwater Education Program Survey. An electronic survey implemented to conduct a Minnesota needs assessment for stormwater related education. Result was development of the current Stormwater Education Programs in Stormwater U and NEMO.

#Ex-post Peer Review of Publication

PROFESSIONAL DISTINCTION

denotes form of peer review

NATIONAL PRESENTATIONS

Bilotta, J. (2019). Stormwater Research Roadmap for Minnesota. National Watershed and Stormwater Conference. Charleston, South Carolina. May 2019.

Blind-Juried National Selected Presentation

Bilotta, J. and Schomberg, J. (2019). The Watershed Game; Developing a Coastal Model. National Watershed and Stormwater Conference. Charleston, South Carolina. May 2019.

Blind-Juried National Selected Presentation

Bareford, K., Sweetman, B., Jones, C., Schomberg, J., Bilotta, J. and Hagley, C. (2018). The Watershed Game: An Engagement Tool Build Awareness about the Connections between Land Use and Water Quality. Bays and Bayous Symposium. Mobile, Alabama.

Blind-Juried National Selected Presentation

Bilotta, J., Hagley, C. and Schomberg, J. (2018). Interactive Simualtions for Engaged Communities, Effective Education, and Enhanced Leadership to Achieve Clean Water Goals. NOAA Ocean Service Science Seminar Series. June 2018. [45 participants].

Invited National Selected Presentation

HAGLEY, C.A.1, BILOTTA, J.2, TEPAS, K.3, HOFFMAN, J.4, GUTSCH, M.4, KITSON, M.1 and KLINE, K.5. (2017). Shipboard Experiences Unite Scientists with Educators and Decision-Makers for Lasting Impacts. International Association for Great Lakes Research Conference. May 2017. Detroit, Michigan
Blind-Juried National Selected Presentation

Bilotta, J. and Hagley, C. (2016) The Watershed Game Training the Trainer Workshop. Association of Natural Resource Extension Professionals (ANREP) and National Association of Community Development Extension Professionals (NACDEP). June 2016. Burlington, Vermont
Blind-Juried National Selected Presentation

Bilotta, J., Brown, E., Salazar, K. and Tharp, B. (2016) Creating a Stormwater-Green Infrastructure-NEMO Community of Practice for Sea Grant and Extension Educators and Faculty. Association of Natural Resource Extension Professionals (ANREP) and National Association of Community Development Extension Professionals (NACDEP). June 2016. Burlington, Vermont
Blind-Juried National Selected Presentation

Bilotta, J. (2015). Making a difference across the land of 10,000 lakes: Minnesota Extension's approach to watershed education. ANREP Professional Development webinar series. April 2015.
Invited National Selected Presentation

Bilotta, J. (2015). Climate change modeling and adaptation scenarios for communities and the Extension role designing education and outreach components. ANREP Professional Development webinar series. June 2015
Invited National Selected Presentation

Bilotta, J. (2014) The Watershed Game: interactive simulation for watershed wide education and implementation. Association of Natural Resource Extension Professionals. May 2014. Sacramento, California.
Blind-Juried National Selected Presentation

Bilotta, J. (2014) Using multiple approaches for program evaluation – case studies from Minnesota's Northland NEMO Program. Association of Natural Resource Extension Professionals. May 2014. Sacramento, California.
Blind-Juried National Selected Presentation

Michels, J. and Bilotta, J. (2013). Working Through Ordinance Revision with Local Communities –Using NEMO to Educate, Train, and Motivate Change. International Low Impact Development Symposium. August 2013. St. Paul, Minnesota.
Blind-Juried National Selected Presentation

Missaghi, S. and Bilotta, J. (2013). Developing Tailored Stormwater Educational Series to Meet Clean Water Goals. International Low Impact Development Symposium. August 2013. St. Paul, Minnesota.
Blind-Juried National Selected Presentation

- Bilotta, J. and Strong, V. (2013). Toolkit for Planning and Implementing a Successful and Effective TMDL Stakeholder Outreach and Engagement Program. International Low Impact Development Symposium. August 2013. St. Paul, Minnesota.
Blind-Juried National Selected Presentation
- Bilotta, J. and multiple others (2013). LID Research Tour Minnesota Leading Efforts in Discovery and Exploration of LID Practices. International Low Impact Development Symposium. August 2013. St. Paul, Minnesota.
Invited National Selected Presentation
- Bilotta, J., Coleman, J., Beggs, P. and Michels, J.. (2012). Regulations, Ordinances and Checklists Oh My! National NEMO U8 Conference. October 2012. Duluth, Minnesota..
Blind-Juried National Selected Presentation
- Bilotta, J., Hagley, C., and Schomberg, J. (2012). *Northland NEMO Watershed Game Train-the-Trainer Workshop*. National NEMO U8 Conference. October 2012. Duluth, Minnesota.
Blind-Juried National Selected Presentation
- Bilotta, J., Hagley, C., Schomberg, J., Burkett, E., and Terry, K. (2012). The Watershed Game - Modeling the achievement of clean water goals for local leaders. *A Skills Building Workshop* ANREP Conference. May 2012. Greensborough, North Carolina.
Blind-Juried National Selected Presentation
- Bilotta, J., Hagley, C., and Schomberg, J. (2012). *TMDL's - Clean Water Goals and the role of Extension Educators. A Roundtable discussion* ANREP Conference. May 2012. Greensborough, North Carolina.
Blind-Juried National Selected Presentation
- Bilotta, J., Burkett, E., Hagley, C., Missaghi, S., Schomberg, J., and Terry, K. (2012) *The Watershed Game – Advancing Beyond the Shoreline and Making the Land Use to Water Connection Using Effective Education and Public Engagement*. Presentation. American Fisheries Symposium.
National Invited Presentation
- Bilotta, J., Hagley, C., Schomberg, J., O'Halloran, S., and Westerlund, J. (2010). *Bonding With Your Watershed: The Northland NEMO Watershed Game*. Presentation and Workshop. National NEMO U7 Conference. October 2010. Portland, Maine.
Blind-Juried National Selected Presentation
- Bilotta, J. and Missaghi, S. (2010). *Synchronized Stormwater Education for Minnesota Communities - How parallel training efforts for municipal professional staff & local decision makers minimize stormwater impacts*. Poster presentation. ANREP Conference. Fairbanks, Alaska.
Blind-Juried National Poster Session
- Bilotta, J., Schomberg, J., Hagley, C., and Westerlund, J. (2008). *The Watershed Games and Workshops on-the-water*. National NEMO U6 Conference. Presentation and workshop. October, 2008. Monterey, CA.
Blind-Juried National Selected Presentation

Bilotta, J. (2006). Raise the Impact of Project WET Make-A-Splash Water Festivals: Field Application of the Best Practices for Field Days Guidelines. Presentation at the National Project WET Conference. Fort Henry, New York.
#Blind-Juried National Selected Presentation

Bilotta, J. (2005). Raise the Impact of Your Stormwater Education Programs. Presentation at the Nonpoint Source and Stormwater Education Conference. October 2005. Chicago, IL.
#Blind-Juried National Selected Presentation

REGIONAL PRESENTATIONS

Bilotta, J., Brown, E., Noordyk, J., and Salazar, K. (2019). Great strides toward green infrastructure in the Great Lakes. Presentation at the 2019 Great Lakes Sea Grant Network Conference. Sault Ste. Marie, Michigan.
#Juried Regional Selected Presentation

Bareford, K., Miller-Way, T., Bilotta, J. Hagley, C. and Sweetman, B. (2019). The Watershed Game Coastal Models. Mississippi-Alabama Sea Grant Consortium Annual Retreat. Mobile, Alabama. December 2019.
#Juried Regional Selected Presentation

Bilotta, J. (2018). Place-based Extension programs to enhance GI policy training. Presentation at the Green Infrastructure and Stormwater Management A workshop to explore decision support tools to support community resiliency Sea Grant-NOAA Regional Integration Project. Milwaukee, Wisconsin.

Bilotta, J., Salazar, K., Hardy, S., Schomberg, J., Noordyk, J., Tharp, B., and Brown, E. (2017). The role of Sea Grant Extension in stormwater and green infrastructure policy at the community scale. Green Infrastructure and Stormwater Community of Practice. Great Lakes Sea Grant Network Conference. Cleveland, Ohio.
#Juried Regional Selected Presentation

Bilotta, J., Hong, A. and Zachay, M. (2016). NEMO workshops on-the-water; Inspiring St. Croix Community Leaders. St. Croix Basin Summit. University of Wisconsin River Falls. March 2016.
#Invited Regional Presentation

Bilotta, J. (2016). The Watershed Game Classroom Version St. Croix Basin Summit. University of Wisconsin River Falls. March 2016.
#Invited Regional Presentation

Muessig, P., Carter, R., Bilotta, J., and Finwall, S. (2013). GreenStep Cities: Performance Metric and Complete Streets. Bilotta presenting Minimal Impact Design Standards(MIDS): A New Era of Stormwater Management. American Planners Association Upper Midwest Conference. September 2013. Rochester, Minnesota.
#Invited Regional Presentation

Bilotta, J. (2013). The Watershed Game: Using interactive simulations to engage local leaders, provide them effective education, and enhance their skills and toolbox of solutions towards achieving clean water goals. Iowa Stormwater Conference. . March 2013. Ames, Iowa.

#Invited Regional Presentation

Bilotta, J. (2013). An Introduction to the Minnesota Minimal Impact Design Standards. St. Croix Watershed Conference. River Falls, Wisconsin. March 2013.

#Invited Regional Presentation

Bilotta, J. (2011). *Synchronized Stormwater Education Program for Minnesota Communities - How Parallel Training Efforts for Municipal Professional Staff & Local Decision Makers Minimize Stormwater Impacts*. North Central Agriculture and Natural Resources Extension Program Leaders. Webinar. July 2011. St. Paul, Minnesota.

#Blind-Juried Regional Selected Presentation

Witter, J., Power, R. and Bilotta, J. (2008). *Inventory and Monitoring of Stormwater BMP's Café Style Workshop*. Great Lakes Regional Stormwater Meeting. Great Lakes Regional Water Program. April 2008. Columbus, Ohio.

Blind-Juried Regional Selected Presentation

STATE PRESENTATIONS

Bilotta, J. (2019). Calling for A.C.T.I.O.N. with people for clean water. Plenary presentation. 2019 Water Summit; Bridging Science and Society. Hosted by the Freshwater Society. Science Museum of Minnesota.

Bilotta, J., Chapman, J., Baker, L, and Missaghi, S. (2017). Minnesota Stormwater Research Council and the Minnesota Stormwater Research Roadmap Project. Presented at the Environment & Energy Research Council, Center for Transportation Studies. University of Minnesota.

#Invited Presentation

Bilotta, J. and Hagley, C. (2017). The Watershed Game – Creating Public Value for More Than 10 Years. University of Minnesota Extension Annual Conference. Brooklyn Park, Minnesota. Retrieved from the University of Minnesota Digital Conservancy, <http://hdl.handle.net/11299/193355>.

Blind-Juried State Poster Session

Bilotta, J. and Hagley, C. (2017). The Watershed Game Generating Public Value for Over Ten Years. Retrieved from the University of Minnesota Digital Conservancy,

<http://hdl.handle.net/11299/193355>.

#Juried Selected Presentation

Bilotta, J. (2016). The Watershed Game. Meeting Society's Grand Challenges Through Community-Engaged Research, Teaching, and Learning. A University of Minnesota System-Wide Conference. Minneapolis, Minnesota.

#Blind-Juried Selected Presentation

Bilotta, J. (2016). University of Minnesota Annual MS4 Permit Meeting. Presentation. June 2015.

Invited State Presentation

Bilotta, J. (2015). Trees, Leaves, and Roots as Stormwater Green Infrastructure. - Minnesota Master Gardener Conference. Chaska, Minnesota. ***#Invited State Presentation***

Bilotta, J., Hagley, C., Schomberg, J., Lijewski, S., and Kohn, J. (2015). The Watershed Game Classroom Version. Gathering Partners of Natural Resources Conference. Grand Rapids, Minnesota. ***#Blind-Juried Selected Presentation***

Bilotta, J., Malchow, D., Burkett, E, Missaghi, S., and Terry, K. (2014). The Watershed Game. State of Water Conference. Brainerd, Minnesota. ***# Invited State Presentation***

Senese, D., Rager, A., Bilotta, J. , Hoelting, J., Olson, P., and Harrington, R. (2013). How do you fund that? Panel presentation at the 2013 Minnesota Extension Program Summit. Duluth, Minnesota.

Invited State Presentation

Bilotta, J. (2013). The Watershed Game. Iowa Water Conference. Ames, Iowa.

Invited State Presentation

Bilotta, J. (2013). Healthy Watersheds, Healthy Communities – urban water resources and the connection to trees. Minnesota Shade Tree Short Course. St. Paul, Minnesota.

Invited State Presentation

Bilotta, J. and Missaghi, S. (2010). *Synchronized Stormwater Education for Minnesota Communities - How parallel training efforts for municipal professional staff & local decision makers minimize stormwater impacts.* Minnesota Water Resources Conference. St. Paul, Minnesota.

Blind-Juried State Poster Session

Bilotta, J., Hagley, C., Elliot, A. Liukkonen, B., Schomberg, J., O'Halloran, S., and Westerlund, J. (2009). *Making TMDLs Make Sense Through Simulations and Games.* Poster at the Minnesota Water Resources Conference. St. Paul, Minnesota.

Blind-Juried State Poster Session

Bilotta, J. and Winkelman, J. (2008). *NEMO Outdoors! Creating More Effective Water Resource Education & Outreach for Local Decision Makers.* Poster at the Minnesota Water Resources Conference. St. Paul Minnesota.

Blind-Juried State Poster Session

PROFESSIONAL DISTINCTION

AWARDS - INTERNATIONAL

2010. Art Direction and Graphic Design Bronze Award. The Watershed Game. Summit International Awards. Bilotta, J., Hagley, C., Schomberg, J., Westerlund, J., and Strombeck, W.

AWARDS - NATIONAL

2014. Gold Award for Series of Articles. . Association of Natural Resource Extension Professionals. Shore to Shore Newsletter series. Terry, K., Bilotta, J., Malchow, D., Missaghi, S., Blickenderfer, M., and Burkett, E.

2013. Gold Award for Series of Articles. Association of Natural Resource Extension Professionals. Shore to Shore Newsletter series. The Watershed Game. Terry, K., Bilotta, J., Malchow, D., Missaghi, S., Blickenderfer, M., and Burkett, E.

2013. Excellence in Programming Award: Innovation in Evaluation. Minnesota Association of Natural Resource Extension Professionals. Minnesota Northland NEMO Program A View from the Big River. Bilotta, J., Winkelman, J., and Eckman, K.

2012. Superior Outreach Award. Great Lakes Sea Grant Network Program. The Watershed Game. J. Bilotta, J. Schomberg, and C. Hagley.

2011. Innovative Program Bronze Award. Association of Extension Natural Resource Professionals. Northland NEMO Watershed Game Train-the-Trainer Program. J. Bilotta, J. Schomberg, and C. Hagley.

2010. Mixed Education Materials – Bronze Level Award for the Watershed Game. Association of Extension Natural Resource Professionals. Fairbanks, Alaska. Bilotta, J., Hagley, C., and Schomberg, J.

AWARDS - STATE

2009. Excellence in Natural Resources Programming for Best Practices for Field Days. MCNRA (Minnesota Community and Natural Resource Association). Bilotta, J., Carlson, S., Liukkonen, Meyer, N., and Rager, A.

2003. Excellence in Educational Materials Award for the Best Practices for Field Days. Minnesota Community and Natural Resource Association. Awarded to Anderson, A., Bilotta, J., Blair, R., Carlson, S., Liukkonen, B., Malmquist, V., Meyer, N., Montgomery, K., Ostlie, K., and Rager, A.

2002. Excellence in Research of Educational Materials. Green Up Your Lawn –Not Your Lakes and Rivers. Minnesota Community and Natural Resource Association. Brochure researched, developed and published as part of the Metro Watershed Partners Clean Water Campaign Program. Awarded to J.Bilotta, R. Struss, et al.

PROFESSIONAL DEVELOPMENT

National and Regional Conferences and Workshops

2019

- National Watershed and Stormwater Conference. Charleston, South Carolina. May 2019.
- Great Lakes Sea Grant Network Conference. Ste.St. Marie, Michigan. September 2019.

2017-18 record not updated yet

Association of Natural Resource Extension Professionals (ANREP) Conference. Sacramento, California. May 2014. *Presentation of two separate programming efforts.* <http://ucanr.edu/sites/ANREP/>

International Low Impact Development Symposium. Conference Planning Committee. St. Paul, Minnesota. January 2012 through August 2013.

National Sea Grant Academy – Part I. Sea Grant Early Career Training including Project Design and Evaluation Training and National Sea Grant mission and objectives. National Sea Grant and NOAA Coastal Services Center. Washington DC. March 2011.

National Sea Grant Academy – Part II. Sea Grant Early Career Training including Project Design and Evaluation Training. National Sea Grant and NOAA Coastal Services Center. Portland, Oregon. October 2011.

Great Lakes Sea Grant Network Meeting. Sheboygan, Wisconsin. June 2011.

Association of Natural Resource Extension Professionals (ANREP) Conference. Anchorage, Alaska. June 2010.

Association of Natural Resource Extension Professionals (ANREP) Conference. Madison, Wisconsin. May 2008.

Great Lakes Regional Water Program Stormwater Initiative Meeting and Workshop. A Word Café workshop discussing research and outreach related to the inventory, monitoring and maintenance of Stormwater BMP's in the Great Lakes Region and identify opportunities for multistate collaboration. Columbus, Ohio. April 2008.

FREMO- Forest Resource Education for Municipal Officials. National NEMO Train-the-Trainer Program. Maryland. September 2007.

Nonpoint Source and Stormwater Education Conference. Chicago, IL. October 2005.

Minnesota Conferences and Workshops

Minnesota Water Resources Conference. St. Paul, Minnesota.

- *Conference Planning Committee and various committees. 2010 -2019*
- *Conference Concurrent Session Facilitator. 2010-2019*
- *Conference Participant 2007-2019.*

- *Stormwater/LID Special all-day session lead designer and instructor – 2014 -2016*
<http://wrc.umn.edu/waterconf/>

Minnesota Extension Conference. Duluth, Minnesota October 2019.

Clean Water Summit. Green Infrastructure for Clean Water: Rethinking Redevelopment and Retrofits Summit Co-Chair. Chanhassen, Minnesota. September 2016.

<http://www.arboretum.umn.edu/2016cleanwatersummit.aspx>

Clean Water Summit. Green Infrastructure for Clean Water: Multiple Benefits and Costs. Summit Co-Chair. Chanhassen, Minnesota. September 2015.

<http://www.arboretum.umn.edu/2015CleanWaterSummit.aspx>

Clean Water Summit. Green Infrastructure for Clean Water: Multiple Benefits and Costs. Summit Co-Chair. Chanhassen, Minnesota. September 2014.

<http://www.arboretum.umn.edu/2014CleanWaterSummit.aspx>

Clean Water Summit. Green Infrastructure for Clean Water: The Essential Role of People. Summit Co-Chair. Chanhassen, Minnesota. September 2013.

<http://www.arboretum.umn.edu/2013CleanWaterSummit.aspx>

Clean Water Summit. Green Infrastructure for Clean Water: The Essential Role of Soil. Summit Co-Chair. Chanhassen, Minnesota. September 2012.

http://www.arboretum.umn.edu/2012greeninfrastructurecleanwater_essentialsoil.aspx

Clean Water Summit. Green Infrastructure for Clean Water: Trees, Roots, and Their Role in Stormwater Management. Summit Co-Chair. Chanhassen, Minnesota. September 2011.

<http://www.arboretum.umn.edu/2011greeninfrastructurecleanwater.aspx>

Clean Water and Climate Adaptation Summit. Summit Planning Committee. Chanhassen, Minnesota. September 2010.

<http://www.arboretum.umn.edu/cleanwaterclimatechangeadaptationsummit.aspx>

Responsible Conduct of Research (RCR) Training. Parts I & II with annual renewal trainings. 2009-2011.

Impaired Waters Research Symposium. U of MN Water Resources Center. U of MN Continuing Education & Conference Center. St. Paul, Minnesota. *A consortium of 150 of Minnesota water resource professionals brought together to examine, discuss, and articulate the current and needed research for Minnesota's Impaired Waters. 2008.*

Green Infrastructure for your community: Using Nature's Free Services for Clean Water and Land Conservation. 2009. Minnesota Landscape Arboretum. Chanhassen, Minnesota.

Impacts of Climate Change on Stormwater Management – Forum at the Minnesota Landscape Arboretum. March 2008.

Using Technology in Public Participation Processes. Institute Hubert H Humphrey Institute for Public Affairs. University of Minnesota. Spring 2008.

Minnesota Erosion Control Association Annual Conference. 2007, 2008, 2009. St. Louis Park, Minnesota.

Continued Education and Training

2019

Understanding the Nation's Water Resource Challenges: Results from NASEM's Future Water Priorities Report. North Central Region Water Network webinar. January 2019.

2018

Talking to Congress: Supporting the Science-Policy Interface. Minnesota Sea Grant professional development. January 2018

Building Resilient Communities One Code at a Time. Webinar offered by NOAA Great Lakes Coastal Storms Program. November 2016.

Toolkit of Available EPA Green Infrastructure Modeling Software. A webinar hosted by EPA. October 2016.

Cooperative Extension's Role in Adult Learning and Development. A webinar offered by American Association for Adult Continuing Education. June 2016.

NEMO Programs and the Healthy Watersheds Initiative. A webinar hosted by the Center for Land Use Education and Research at University of Connecticut. March 2012

Completing an Effective Project Plan Quickly and Without Pain. Seminar hosted by the College of Continuing Education. University of Minnesota. March 2012.

Leadership Practices Inventory. On-line comprehensive 360 review of leadership assessment with peer input and review. (2009).

Introduction to putting maps and geospatial information on the web. A webinar hosted by the National NEMO Network and CLEAR. (2010).

Green Infrastructure: Revising Local Plans, Codes, and Ordinances. A webinar hosted by the Environmental Protection Agency. (March 2010).

Stormwater Good housekeeping. A webinar hosted by the Environmental Protection Agency. (May 2010).

Stormwater Retrofits: Green Streets Operation and Maintenance. A webinar hosted by the Environmental Protection Agency. (June 2010).

Stormwater Retrofits. A webinar hosted by the Center for Watershed Protection. (October 2009).

Cumulative Effects of Land Use Decision-Making on Water in the Upper Mississippi River Corridor. (August 12, 2009).

Assessing the Effectiveness of Your Municipal Stormwater Program. A webinar hosted by the Environmental Protection Agency. (June 4, 2008).

EPA Stormwater Webcast. (March 2008).

Menagha Case Study – A pilot project for the integration of Extension Natural Resource and Community Vitality Extension Educators. (2008). NRE-WRMP & LCE Cross Capacity Program Work. (July 2008).

SERVICE

University of Minnesota

Minnesota Water Resources Conference Planning Committee
2010 - 2019 Minnesota Sea Grant Representative
2011 Workshop subcommittee
2018 Evaluation subcommittee
2019 Keynote presenter subcommittee

University of Minnesota Storm Water Linkage Committee – Twin Cities Campus.
2009 -2014.

State, Regional, and National – Planning Team Affiliations

2019 ASCE/EWRI Operation and Maintenance of Stormwater Control Measures Conference Planning Committee (workshop and tour subcommittees)

Great Lakes Sea Grant Network Conference Planning Committee 2017.

Clean Water Summit: Green Infrastructure for Clean Water Planning Team
2011-2017 Summit Co-Chair.
2010 Planning Committee & Evening Workshop Lead.
2009 Planning Committee.

Minnesota State Stormwater Steering Committee 2007-2011
2007-2009 Education Subcommittee
2007-2011 Low Impact Development Subcommittee

Association of Extension Natural Resource Professionals (ANREP)
Professional Development Committee. 2015-17.

Great Lakes Regional Water Program – Stormwater Initiative Team. 2008-2009.

Minnesota Project WET Advisory Board. 2007 – 2009

Metro Watershed Partners Steering Committee 2004-2007
2005-2008 Metro Media Campaign Subcommittee

State, Regional, and National Memberships

Association of Watershed and Stormwater Professionals (AWSP). 2010-2011.

Association of Natural Resource Extension Professionals (ANREP). 2003-2020.

Minnesota Community and Natural Resource Association (MCNRA). 2000-2010.

Minnesota Association of Natural Resource Extension Professionals. (MN ANREP) 2011-2017. President 2013.

Community Service

Earth Adventure Organization. Board Member and Director of Education 2002-2019.

Twin Cities Metro Children's Water Festival. 1999 – 2016.

1995 -2008 Co-Coordinator.

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