

NICHOLAS P. DANZ

Associate Dean of Academic Affairs & Graduate Studies
Professor of Biology
Department of Natural Sciences
University of Wisconsin-Superior

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Education

Ph.D. Natural Resources Science and Management, University of Minnesota, 2009
M.S. Biology, University of Minnesota Duluth, 1998
B.S.E. Biology and Broadfield Science Education, University of Wisconsin-Whitewater, 1993

Administrative Experience

Associate Dean of Academic Affairs and Graduate Studies (2018-present) UW-Superior

Responsibilities: participate in academic leadership, serve as liaison with UW-System on academic programming, oversee campus articulation and transfer agreements, investigate and report on student complaints, supervise High Impact Practice coordinators, serve as member of Advisory Council to UW-System Office of Professional and Instructional Development (OPID), serve as campus leader on UW-System Math Initiative, provide administrative support for CETL, represent Academic Affairs during meetings with candidates for faculty and staff positions.

Notable accomplishments while I have served as Associate Dean:

- Successful funding of proposal for Year 2 of UW-System Math Initiative and increased acceptance of mathematics transfer coursework from statewide institutions through collaboration with math faculty
- Authorization from UW-System to plan a School Psychology graduate program in 100% online delivery
- UW-System approval to offer of Associate of Arts degree in 100% online format
- Successful co-leadership of PETL series in Fall 2018 for new faculty and instructional staff
- Development of articulations and transfer agreements with regional technical and community colleges
- Investigation and resolution of student complaints
- Planning and offering of professional development activities for High Impact Practices, Open Educational Resources, and Scholarship of Teaching and Learning
- Successful negotiations and hiring of instructional academic staff members as part of recruitment process

Department Chairperson (2016-present) Department of Natural Sciences, UW-Superior

Responsibilities: oversee all aspects of departmental administration, budgeting, and curriculum. Direct University greenhouse facilities, supervise faculty and university staff, facilitate curricular revisions and implementation, develop class and teaching schedules, respond to requests for information, facilitate transfer of information to faculty and staff, represent department at University functions.

Notable departmental accomplishments while I served as chairperson:

- Hiring of faculty and adjunct staff from groups underrepresented in STEM fields
- Addition of new programs in Environmental Sciences, Biology: Pre-medicine and Health Professions, and Chemistry: Pre-Pharmacy (Biochemistry) resulting in increased numbers of science majors
- Increases in departmental productivity (SCH/FTE) by approximately 20-25% from 2013-2014 to 2017-2018 despite substantial decreases in faculty personnel (-25%) and fluctuations in student numbers
- Revision of departmental bylaws with new criteria for advancement and meritorious performance
- Development of several new facilities that provide undergraduate research experiences for students
- Revisions to programmatic curriculum based on assessment of student learning
- Regular commitment of departmental funds for professional development of faculty and adjunct staff

Shared Governance and Leadership at UW-Superior

UW-System Science Education Workgroup member 2019-present

Lake Superior National Estuarine Research Reserve Advisory Board member 2018-present

UW-System OPID Advisory Council member 2018-present

Biology Program Coordinator, 2012-2013

UW-Superior Representative to Wisconsin Point Management Plan Implementation Committee 2013-present

UW-Superior Representative to Wisconsin Point Management Planning team, 2011-2012

Faculty Councils and Committees

- Faculty Senate interim Senator Spring 2018
- Strategic Planning Core Team 2016-2018
- Planning and Budgetary Council 2013-16, Council Chair 2014-2016
- Undergraduate Academic Affairs Council 2009-2012

Other Committees

- Civic Action Plan Committee 2018-present
- Teacher Education Advisory Committee 2015-present
- Master Planning Steering Committee 2014-15
- First Year Experience Committee 2013-2014
- Library Committee 2011-2013

Search and Screen committees

- Research Coordinator, Lake Superior National Estuarine Research Reserve 2019
- Faculty position in Physiology 2016-2017 and 2017-2018
- Faculty position in Genetics/Cellular Biology 2014-2015
- Faculty position in Science Education 2014-2015
- Faculty position in Science Education (Committee chair) 2011
- Research Coordinator, Lake Superior National Estuarine Research Reserve 2011
- Grants and Research Program Coordinator 2010
- Faculty position in Geology 2009-2010

Teaching and Research Experience

Biology Faculty (2008-present), Department of Natural Sciences, UW-Superior

Professor (2018-present), Associate Professor (2013-2018), and Assistant Professor (2008-2013)

Responsibilities: design and implement biology curriculum for undergraduates, maintain active research program involving biology majors, serve on university and departmental committees, oversee greenhouse facilities and staff, direct university herbarium, and supervise student employees.

Courses: Biogeography and Conservation, Biology Seminar, Environmental Science, Ecology, Forest Ecology and Management, Plants and People, Plant Physiology, Plant Taxonomy, Wisconsin's Vanishing Present

Notable faculty accomplishments:

- Addition of evidence-based teaching practices focused on student-centered learning into all courses
- Incorporation of Universal Design principles in all courses
- Course- and program-based adoption of high impact practices including URSCA, AS-L, FYE, and SYE
- Providing individualized attention to students, and development of rapport and relationships
- Mentoring many students on research projects and internships
- Development of liberal education through teaching in the University Studies program
- Publication of peer-reviewed articles and technical reports and delivery of conference presentations
- Extramural funding of research totaling approximately \$1.5M directly incoming to UW-Superior
- Extensive commitment and participation in shared governance

Graduate Faculty Member (2012-present), Integrated Biosciences Program, University of Minnesota Duluth

Responsibilities: advise graduate students, serve on committees.

Adjunct Research Associate (2010-present), Research Fellow (2003-2008), and Junior Scientist (1999-2003), Natural Resources Research Institute

Responsibilities: collect and analyze ecological data, author peer-reviewed journal articles and technical reports, administer and manage projects and budgets, develop sampling designs for ecological experiments and observational studies, develop and maintain relational databases and data entry software, provide statistical advice for students and colleagues, prepare presentations for scientific meetings.

Adjunct Instructor (2000-2001, 2007), Biology Department, University of Minnesota Duluth

Responsibilities: design and implement course curricula for introductory biology and plant biology large lecture courses and an ecology field course. Coordinate teaching assistants, design assessments, implement technological tools for grading, instruction, and communication.

Research Assistant (1998-1999), City of Superior

Responsibilities: develop and analyze surveys to assess how municipalities implement pollution prevention, develop educational materials and curricula related to pollution prevention, give public presentations.

Botanical Contractor (1997-1998), Chippewa National Forest, USFS

Responsibilities: collect and analyze floristic data from burned vs. unburned clearcut sites, conduct rare plant surveys on rotation-age forest stands, write technical reports.

Research Grants and Contracts

- 2018-2021 Sampling and Identification: Assessing Aquatic Habitats in the Duluth/Superior Harbor. Co-principal investigator with K. Schmude and J. Schuldt, \$406,000.
- 2015-2019 Coastal wetland monitoring: continued implementation by the GLCWC. US EPA. Co-principal investigator with Uzarski *et al.* \$10M (\$250K to UWS).
- 2014 Floristic inventory of High Conservation Value Forests in county forests of northern Wisconsin. Wisconsin County Forest Association. Principal Investigator. \$109,000.
- 2014 Integrating prior vegetation surveys to test spatial and temporal patterns of wetland floristic quality in the St. Louis River estuary. Wisconsin Sea Grant. Co-principal investigator with S. Schooler, \$98,000.
- 2013-2014 A comprehensive stressor-response model to inform ecosystem restorations across the Great Lakes basin. Michigan Water Center. Co-principal investigator with L.B. Johnson and D. Allan *et al.* \$458,000.
- 2013 Spatial and temporal variability in floristic quality indices in Great Lakes coastal wetlands. UWS Center for Excellence in Teaching and Learning Scholarship Jumpstart Grant. \$950.
- 2012-2013 Survey of Terrestrial Invasive Plants on Wisconsin County Forests. Wisconsin Department of Natural Resources. Principal Investigator. \$70,000.
- 2012 Population Status Assessment of Marsh Grass-of-Parnassus in Northwestern Wisconsin. UWS Swenson Scholars Undergraduate Summer Program, Faculty Mentor with Daniel Fuller. \$5000.

- 2012-2013 Lake Superior Basin Floristic Quality Assessment – Phase 1: Setting Benchmarks to Create Plant Community Condition Tiers. Wisconsin Department of Natural Resources. Co-principal Investigator with T. Bernthal, P. Hlina et al. \$275,000.
- 2010-2015 Great Lakes Indicator Consortium: Implementing Great Lakes Coastal Wetland Monitoring, US EPA. Co-principal Investigator with D. Uzarski *et al.* \$10M (\$103,000 to UWS).
- 2010-2014 GLEI-II Indicator testing and refinement. Great Lakes Restoration Initiative, US EPA. Co-principal Investigator with L. Johnson *et al.* \$1.6M (\$45,000 to UWS).
- 2010 Development of indicators of salt marsh integrity. U.S. Geological Survey. Principal Investigator. \$24,662.
- 2010-2012 Stressor gradients and spatial narratives of the St. Louis River estuary. University of Wisconsin Sea Grant and University of Minnesota Sea Grant. Co-Principal Investigator with J. Silbernagel *et al.* \$207,000 (\$78,000 to UWS).
- 2008-2009 Development of a multi-metric assessment tool for coastal salt marsh integrity: evaluation of pilot data. U.S. Geological Survey. Principal Investigator. \$20,000.
- 2007-2008 Monitoring breeding birds in western Great Lakes national forests. U.S. Forest Service. Co-Principal Investigator with G. Niemi. \$240,000.
- 2007 Development of landbird monitoring protocols for the Great Lakes Network parks. National Park Service. Principal Investigator. \$22,999.

Teaching Grants

- 2015 High impact practices curriculum redesign grant for Biology 340 Ecology. UWS Undergraduate Research, Scholarly, and Creative Activity Program. \$750.
- 2014 Curriculum planning to increase undergraduate research in biology. Co-PI with M. Arnhold-Davies, E. Burkett, K. Schmude (Biology program), A. Eliot (LSRI) and S. Schooler (LS NERR). UWS Center for Undergraduate Research. \$3000.
- 2012-2013 STEM Mastery Through Great Lakes Stewardship: GLISTEN (the Great Lakes Innovative Stewardship Through Education Network). University of Harrisburg's National Center for Science and Civic Engagement. \$4000.
- 2010 Incorporating academic service-learning through Great Lakes stewardship in Biology 111 Plants and People. University of Wisconsin-Superior AS-L Mini-grants program. \$500.
- 2010 Incorporating time-lapse photography into to the plant physiology laboratory. University of Wisconsin-Superior Teaching with Technology program. \$600.
- 2010 Western Great Lakes GLISTEN Collaborative Center. Corporation for National Civic Engagement, November 2009. Co-Principal Investigator with P. Schoff *et al.* \$43,000 (\$15,000 to UWS)
- 2009 Plant physiology laboratory modernization: Qubit Systems for physiological research. University of Wisconsin-Superior, Laboratory Modernization Program. \$10,000.

Peer-reviewed Publications

- 2017 Uzarski, D.G., V.J. Brady, M. Cooper, D.A. Wilcox, D.A. Albert, P. Bostwick, D. Tozer, R. Axler, T. Brown, J. Ciborowski, N. Danz, J. Gathman, T. Gehring, G. Grabas, R. Howe, L. Johnson, G. Lamberti, A. Moerke, A. Hokanson, B. Murry, G. Niemi, C. Norment, C. Ruetz, A. Steinman, R. Wheeler, K. O'Donnell, and J. Schneider. Standardization and synthesis of measures of ecosystem health: Laurentian Great Lakes coastal wetland monitoring methods. *Wetlands* 37(1):15-32
- 2016 Niemi, G.J., R.W. Howe, B.R. Sturtevant, L.R. Parker, A.R. Grinde, N.P. Danz, M. Nelson, E.J. Zlonis, N.G. Walton, E.E. Giese, and S.M. Lietz. Analysis of long-term forest bird monitoring data from National Forests of the western Great Lakes region. US Forest Service General Technical Report GTR-NRS-159.
- 2015 Silbernagel, J., G. Host, C. Hagley, D. Hart, R. Axler, R. Fortner, M. Axler, V.M. Smith, A. Drewes, W. Bartsch, N.P. Danz, J. Matthews, and M. Wagler. Linking place-based science to people through spatial narratives of coastal stewardship. *Journal of Coastal Conservation* 19:181-198.
- 2014 Riker-Coleman, K., M. Arnhold-Davies, N.P. Danz, and R. Gabrys-Alexson. Cultivating STEM with Service Learning at a Regional University. Pages 265-268 in Omobolade, D-O. *et al.* (eds). *The SAGE Sourcebook of Service-Learning and Civic Engagement*, Sage Publications, Los Angeles.
- 2014 Kovalenko, K.E., V.J. Brady, T.N. Brown, J.J.H. Ciborowski, N.P. Danz, N.P., J.P. Gathman, G.E. Host, R.W. Howe, L.B. Johnson, G.J. Niemi, and E.D. Reavie. Congruence of community thresholds in response to anthropogenic stress in Great Lakes coastal wetlands. *Freshwater Science* 33(3):958-971.
- 2013 Danz, N.P., L.E. Frelich, P.B. Reich, and G.J. Niemi. Do vegetation boundaries display smooth or abrupt spatial transitions along environmental gradients? Evidence from the prairie-forest biome boundary of historic Minnesota, USA. *Journal of Vegetation Science* 24:1129-1140.
- 2011 Niemi, G.J., E.D. Reavie, G.S. Peterson, J.R. Kelly, C.A. Johnston, L.B. Johnston, R.W. Howe, G.E. Host, T.P. Hollenhorst, N.P. Danz, J.H. Ciborowski, T.N. Brown, V.J. Brady, and R.P. Axler. An integrated approach to assessing multiple stressors for coastal Lake Superior. *Aquatic Ecosystem Health and Management* 14(4):356-375.
- 2011 Danz, N.P., P.B. Reich, L.E. Frelich, and G.J. Niemi. Vegetation controls vary across space and spatial scale in a historic grassland-forest biome boundary. *Ecography*, 34(3):402-414.
- 2009 Etterson, M.A., G.J. Niemi, and N.P. Danz. Estimating the effects of detection heterogeneity and overdispersion on trends estimated from avian point counts. *Ecological Applications* 19(8):2049-2066.
- 2009 Johnston, C.A., T. Brown, T. Hollenhorst, P. Wolter, N. Danz, G. Niemi. GIS in Support of Ecological Indicator Development. Pages 1095-1114 in M. Madden, ed. *Manual of Geographic Information Systems*. American Society for Photogrammetry and Remote Sensing, Bethesda, MD.
- 2009 Trebitz, A.S., J.C. Brazner, N.P. Danz, M. Pearson, G. Peterson, D. Tanner, D. Taylor, C. West, and T. Hollenhorst. Geographic, anthropogenic, and site-specific habitat influences on Great Lakes coastal wetland fish assemblages. *Canadian Journal of Fisheries and Aquatic Sciences* 66:1328-1342.
- 2009 Niemi, G.J., V. Brady, T. Brown, N.P. Danz, D. Ghioca, J.M. Hanowski, T. Hollenhorst, R. Howe, L.B. Johnson, C.A. Johnston, and E. Reavie. Development of ecological indicators for the U.S. Great Lakes Coastal Region - a summary of applications in Lake Huron. *Aquatic Ecosystem Health & Management* 12(1):77-89.
- 2008 Vora, R., S. Lerol, and N.P. Danz. Multi-species planting and other reforestation practices to restore within-stand diversity in northeastern Minnesota, USA. *Ecological Restoration* 26(4):340-349.
- 2008 Reavie, E.D., G.V. Sgro, N.P. Danz, R.P. Axler, A.R. Kireta, J.C. Kingston, and T.P. Hollenhorst. Comparison of simple and multimetric diatom-based indices for Great Lakes coastline disturbance. *Journal of Phycology* 44:787-

802.

- 2008 Morrice, J.A., N.P. Danz, R.R. Regal, J.R. Kelly, G.J. Niemi, E.D. Reavie, T. Hollenhorst, R.P. Axler, A.S. Trebitz, A.M. Cotter, and G.S. Peterson. Human influences on water quality in Great Lakes wetlands. *Environmental Management* 41:347-357.
- 2007 Brady, V.J., J.J.H. Ciborowski, L.B. Johnson, N.P. Danz, J.D. Holland, D.H. Breneman, and J.P. Gathman. Optimizing Fishing Time: One vs. Two-Night Fyke Net Sets in Great Lakes Coastal Systems. *Journal of Great Lakes Research* 33(Special Issue 3):236-244.
- 2007 Brazner, J.C., N.P. Danz, G.J. Niemi, R.R. Regal, T. Hollenhorst, G. Host, T. Brown, A.S. Trebitz, C.A. Johnston, E.D. Reavie, R.W. Howe, J.M. Hanowski, L.B. Johnson, J.J.H. Ciborowski, and G.V. Sgro. Responsiveness of Great Lakes wetland indicators to human disturbances at multiple spatial scales: a multi-assemblage assessment. *Journal of Great Lakes Research* 33(Special Issue 3):42-66.
- 2007 Hanowski, J.M., N. Danz, R.W. Howe, R.R. Regal, and G.J. Niemi. Considerations for monitoring breeding bird communities in Great Lakes coastal wetlands. *Journal of Great Lakes Research* 33(Special Issue 3):245-252.
- 2007 Howe, R.W., R.R. Regal, J.M. Hanowski, G.J. Niemi, N.P. Danz, and C. Smith. An index of ecological condition based on bird assemblages in Great Lakes coastal wetlands. *Journal of Great Lakes Research* 33(Special Issue 3):93-105.
- 2007 Niemi, G.J., J.R. Kelly, and N.P. Danz. Environmental indicators for the coastal region of the North American Great Lakes: introduction and prospectus. *Journal of Great Lakes Research* 33(Special Issue 3):1-12.
- 2007 Kireta, A.M., E.D. Reavie, N.P. Danz, R.P. Axler, G.V. Sgro, J.C. Kingston, T.N. Brown, and T. Hollenhorst. Coastal geomorphic and lake variability in the Laurentian Great Lakes: implications for a diatom-based monitoring tool. *Journal of Great Lakes Research* 33(Special Issue 3):136-153.
- 2007 Howe, R.W., R.R. Regal, G.J. Niemi, N.P. Danz, and J.M. Hanowski. A probability-based indicator of ecological condition. *Ecological Indicators* 7:793-806.
- 2007 Hanowski, J., N. Danz, R. Howe, and G. Niemi. Consideration of geography and wetland geomorphic type in the development of Great Lakes coastal wetland bird indicators. *EcoHealth* 4:194-205.
- 2007 Danz, N.P., G.J. Niemi, R.R. Regal, T. Hollenhorst, L.B. Johnson, J.M. Hanowski, R. Axler, J.J.H. Ciborowski, T. Hrabik, V.J. Brady, J.R. Kelly, J.A. Morrice, J.C. Brazner, R.W. Howe, C.A. Johnston, and G.E. Host. Integrated gradients of anthropogenic stress in the U.S. Great Lakes basin. *Environmental Management* 39(5):631-647.
- 2007 Sgro, G.V., E.D. Reavie, J.C. Kingston, A.R. Kireta, M.J. Ferguson, N.P. Danz, and J.R. Johansen. A diatom quality index from a diatom-based total phosphorus inference model. *Environmental Bioindicators* 2(1):15-34.
- 2007 Brazner, J.C., N.P. Danz, G.J. Niemi, R.R. Regal, Trebitz, A.S., R.W. Howe, J.M. Hanowski, L.B. Johnson, J.J.H. Ciborowski, C.A. Johnston, E.D. Reavie, V.J. Brady, and G.V. Sgro. Evaluation of geographic, geomorphic, and human influences on Great Lakes wetland indicators: a multi-assemblage approach. *Ecological Indicators* 7:610-635.
- 2007 Hanowski, J., N. Danz, J. Lind. Breeding bird response to riparian forest management: nine years post harvest. *Forest Ecology and Management* 241:272-277.
- 2006 Hill, B.J., C.M. Elonen, T.M. Jicha, A.M. Cotter, A.S. Trebitz, and N.P. Danz. Sediment microbial enzyme activity in Great Lakes coastal wetlands. *Freshwater Biology* 51:1670-1683.
- 2006 Reavie, E.D., R.P. Axler, G.V. Sgro, J.C. Kingston, A.R. Kireta, T.N. Brown, N.P. Danz, and T.P. Hollenhorst. Diatom-based weighted-averaging models for Great Lakes coastal water quality: relationships to watershed

- characteristics. *Journal of Great Lakes Research* 32:321-347.
- 2006 Hanowski, J., N. Danz, and J. Lind. Response of breeding bird communities to forest harvest around seasonal ponds in northern forests, USA. *Forest Ecology and Management* 229:63-72.
- 2005 Hanowski, J.M, J. Lind, N. Danz, G.J. Niemi, and T. Jones. Regional breeding bird monitoring in western Great Lakes national forests. Pages 974-981 *in* Ralph, C.J., and T.D. Rich, editors. *Bird Conservation Implementation and Integration in the Americas: Proceedings of the Third International Partners In Flight Conference*. 2002 March 20-24; Asilomar, California; Volume 2. General Technical Report PSW-GTR-191. Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture; 643 p.
- 2005 Hanowski, J., N. Danz, J. Lind and G. Niemi. Breeding bird response to varying amounts of basal area retention in riparian buffers. *Journal of Wildlife Management* 69:689-698.
- 2005 Danz, N.P., R.R. Regal, G.J. Niemi, V.J. Brady, T. Hollenhorst, L.B. Johnson, G.E. Host, J.M. Hanowski, C.A. Johnston, T. Brown, J. Kingston, and J.R. Kelly. Environmentally stratified sampling design for the development of Great Lakes environmental indicators. *Environmental Monitoring and Assessment* 102:41-65.
- 2004 Lind, J., N. Danz, M.T. Jones, J.M. Hanowski, and G.J. Niemi. Forest bird population trends in Minnesota, 1991 to 2002. *The Loon* 75:182-188.
- 2004 Niemi, G.J., J.M. Hanowski, J.M., N. Danz, R. Howe, M.T. Jones, J. Lind, and D. Mladenoff. Hierarchical scales in landscape responses by forest birds. *Landscape Ecology and Wildlife Habitat Evaluation: Critical Information for Ecological Risk Assessment, Land-Use Management Activities, and Biodiversity Enhancement Practices*, ASTM STP 1458, L.A. Kapustka, H. Gilbraith, M. Luxon, and G.R. Biddinger, Editors, American Society for Testing and Materials, West Conshohocken, PA, 2004.
- 2003 Hanowski, J., N. Danz, J. Lind, and G. Niemi. Breeding bird response to forest harvest and harvest equipment. *Forest Ecology and Management* 174:315-328.
- 2003 Lind, J., N. Danz, M.T. Jones, J.M. Hanowski, and G.J. Niemi. Forest bird population trends on the Chequamegon National Forest (1992-2002). *Passenger Pigeon* 65(4):233-244.
- 1999 Schimpf, D.J. and N.P. Danz. Light transmission through leaf litter: variation among northern hardwood trees. *Agricultural and Forest Meteorology* 97:103-111.

Technical Publications

- 2018 Hlina, P., R. Schwarting, and N.P. Danz. Floristic quality assessment of wetlands of the Brule River watershed. Technical Report 2018-2, Lake Superior Research Institute, University of Wisconsin-Superior, Superior, WI. 13 p.
- 2018 Schwarting, R., P. Hlina, and N.P. Danz. 2017 Floristic quality assessment of littoral plant communities in Lake Minnesuung and Lake Nebagamon, Douglas County, WI. Technical Report 2018-1, Lake Superior Research Institute, University of Wisconsin-Superior, Superior, WI. 15 p.
- 2017 Albert, D.A., N.P. Danz, D.A. Wilcox, and D. Rokitnicki-Wojcik. Sub-Indicator: Coastal Wetland Plants. p. 196-207 *in* State of the Great Lakes 2017 Technical Report, Cat No En161-3/1E-PDF. EPA 905-R-17-001. Available at binational.net.
- 2017 Danz, N.P., N.B. Dahlberg, and S. Schooler. The St. Louis River Estuary vegetation database. Lake Superior Research Institute Technical Report 2017-1, University of Wisconsin-Superior, Superior, WI. 8 pages.
- 2015 Johnson L.B., Kovalenko K.E., Host G.E., Brady V.J., Ciborowski J.J.H., Danz N.P., Howe R.W., Reavie E.D., Niemi G.J. 2015. GLIC-GLEI-II Indicator Testing and Refinement Final Report. US EPA GLNPO Project Identifier: EPAGLNPO-2010-NS-5-1071-795. Natural Resources Research Institute Technical Report No. NRRI/TR-2015/56.

- 2014 Dumke, J., V. Brady, N. Danz, A. Bracey, and G. Niemi. Coastal wetland monitoring survey report: Clough Island. NRRRI Technical Report NRRRI/TR-2014/26, Natural Resources Research Institute, Center for Water and the Environment, University of Minnesota Duluth, Duluth, MN.
- 2014 Hlina, P., N.P. Danz, K. Beaster, S. Hagedorn, and D. Anderson. Lake Superior basin floristic quality assessment, Phase 1: setting condition benchmarks. Technical Report 2014-2, Lake Superior Research Institute, University of Wisconsin-Superior, Superior, WI.
- 2014 Cogger, B., and N.P. Danz. 2014. Baseline survey of terrestrial invasive plants on County Forests in northern Wisconsin. Technical Report 2014-1, Lake Superior Research Institute, University of Wisconsin-Superior, Superior, WI.
- 2013 Neckles, H.A., G.R. Guntenspergen, W.G. Shriver, N.P. Danz, W.A. Wiest, J.L. Nagel, and J.H. Olker. Identification of Metrics to Monitor Salt Marsh Integrity on National Wildlife Refuges in Relation to Conservation and Management Objectives. Final Report to US Fish and Wildlife Service, Northeast Region. USGS Patuxent Wildlife Research Center, Laurel, MD. 226 pp.
- 2010 Gostomksi, T., M. Knutson, N.P. Danz, B. Route, and T.W. Sutherland. Landbird monitoring protocol, Great Lakes Inventory and Monitoring Network. Natural Resource Report NPS/GLKN/NRR—2010/225. National Park Service, Fort Collins, Colorado.
- 2009 Danz, N.P. The Minnesota forest bird project database: description and user's guide. NRRRI Technical Report, NRRRI/TR-2009/35, University of Minnesota Duluth, Duluth, MN.
- 2008 Knutson, M. G., N. P. Danz, T. W. Sutherland, and B. R. Gray. 2008. Landbird Monitoring Protocol for the U.S. Fish and Wildlife Service, Midwest and Northeast Regions, Version 1. Biological Monitoring Team Technical Report BMT-2008-01. U.S. Fish and Wildlife Service, La Crosse, WI. 25 pages + 11 Standard Operating Procedures.
- 2008 Danz, N.P., A. Bracey, and G.J. Niemi. 2008. Breeding bird monitoring in western Great Lakes national forests 1991-2007. NRRRI Technical Report NRRRI/TR-2008/11.
- 2007 Etterson, M., N. Danz, J. Lind, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2006. NRRRI Technical Report 2007/01.
- 2006 Niemi, G.J., Axler, R.P., Brady, V.J., Brazner, J.C., Brown, T.N., Ciborowski, J.J.H., Danz, N.P., Hanowski, J.M., Hollenhorst, T.P., Howe, R.W., Johnson, L.B., Johnston, C.A., Reavie, E.D., Simcik, M., Swackhamer, D. Environmental indicators for the coastal region of the U.S. Great Lakes. NRRRI/TR-2006/11 1-124
- 2006 Lind, J., N. Danz, and J.M. Hanowski. 2006. Conservation analysis for declining forest bird species (1991-2005) on the Chequamegon, Chippewa, and Superior National Forests. NRRRI Technical Report NRRRI/TR-2006-07.
- 2005 Lind, J., N. Danz, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2005. NRRRI Technical Report 2006/06.
- 2005 Kilgore, M.A., A.R. Ek, K.A. Buhr, L.E. Frelich, J.M. Hanowski, C.M. Hibbard, A.O. Finley, L.C. Rathburn, N.P. Danz, J.W. Lind, and G.J. Niemi. Minnesota timber harvesting GEIS: an assessment of the first 10 years. Staff Paper Series No. 182, Department of Forest Resources, College of Natural Resources, University of Minnesota.
- 2005 Hanowski, J., N. Danz, and J. Lind. Response of breeding birds to forest harvest in buffers around seasonal ponds in northern forests. Natural Resources Research Institute Technical Report NRRRI/2005/10.
- 2005 Lind, J., N. Danz, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2004. NRRRI Technical Report 2005/04.
- 2005 Lind, J., N. Danz, and J. Hanowski. Analysis of landbird monitoring data for national parks in the Great Lakes Network. Great Lakes Inventory and Monitoring Network Report GLKN/2005/08.

- 2004 Blinn, C.R., D.M. Atuke, N. Danz, J. Hanowski, D. Kastendick, R. Kolka, J. Lind, R. Newman, B. Palik, N. Schlessner, J. Steil, D. Streblov, B. Vondracek, and E. Zenner. Evaluating Timber Harvesting and Forest Management Guidelines. Final Report to Legislative Commission on Minnesota Resources.
- 2003 Lind, J., N. Danz, M.T. Jones, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2003. NRRI Technical Report 2003/46.
- 2003 Hanowski, J.M., and N.P. Danz. Response of breeding birds to forest plan revision alternatives in the Chippewa and Superior National Forests. Technical Report to Minnesota Center for Environmental Advocacy.
- 2003 Niemi, G.J., J.M. Hanowski, N. Danz, J. Lind, M.T. Jones, and J. Sales. Minnesota's Forest Bird Diversity Initiative FY02-03 Final Report. Fish and Wildlife Research #30. NRRI Technical Report NRRI/TR-2003/11.
- 2002 Lind, J., N. Danz, M.T. Jones, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2002. NRRI Technical Report 2002/24.
- 2002 Howe, R., M.T. Jones, N. Danz, J. Hanowski, G.J. Niemi, D. Ewert, and J. Davis. A GIS framework for bird conservation and monitoring. Final Report to Great Lakes National Program Office, Chicago, IL.
- 2001 Hanowski, J.M., N. Danz, J. Lind, G. Niemi, and P. Wolter. Wildlife species: responses to forest harvesting and management in riparian stands and landscapes. Minnesota Forest Resources Council and National Council for Air and Stream Improvement. NRRI/TR-2001/02
- 2001 Lind, J., N. Danz, M.T. Jones, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2001. NRRI Technical Report 2001/39.
- 2001 Lind, J., N. Danz, M.T. Jones, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-2000. NRRI Technical Report 2001/04.
- 2000 Lind, J., N. Danz, M.T. Jones, J. Hanowski, and G. Niemi. Update Report: Breeding bird monitoring in Great Lakes national forests 1991-1999. NRRI Technical Report 2000/04.

Lead-authored Presentations (>100 coauthored presentations)

Society of Wetland Scientists Annual Meeting, San Juan, Puerto Rico, Jun 2017

St. Louis River Estuary Summit, Superior, WI, Mar 2017

Wetland Science Conference, Stevens Point, WI, Feb 2017

Water Resources Graduate Program, University of Minnesota Duluth, Oct 2016

Minnesota Pollution Control Agency, May 2016

St. Louis River Estuary Summit, Superior, WI, Mar 2015

Department of Biology, University of Minnesota Duluth, Jan 2015

Wisconsin Wetlands Association annual meeting, LaCrosse, WI, 2014

Society of Wetland Scientists Annual Meeting, Duluth, MN, 2013

Western Great Lakes Resource Management Conference, Ashland, WI, Apr 2012

St. Louis River Estuary Science Summit, Superior, WI, Mar 2012

International Association of Great Lakes Research, Duluth, MN, June 2011

St. Louis River Estuary Science Summit, Superior, WI, Feb 2011

Department of Biology, University of Minnesota Duluth, Nov 2009

Natural Resources Science and Management Program, University of Minnesota, St. Paul, 2009

Northeast Forest Soils Conference, Cloquet, MN and Thunder Bay, ONT, 2007
 Department of Forest Resources, University of Minnesota, St. Paul, 2007
 International Association of Great Lakes Research, 49th Annual Conference, Windsor, ONT, 2006
 Estuarine and Great Lakes (EaGLe) Conference, Duluth, MN, 2004
 International Association of Great Lakes Research, 47th Annual Conference, Waterloo, ONT., 2004
 US EPA Environmental Monitoring and Assessment Program (EMAP) 2004, Newport, RI, 2004
 Estuarine and Great Lakes (EaGLe) Conference, Bodega Bay, CA, 2003
 Annual Meeting of the Ecological Society of America, Savannah, GA, 2003
 17th Annual Meeting of the Society for Conservation Biology, Duluth, MN, 2003
 International Association of Great Lakes Research, 46th Annual Conference, Chicago, IL, 2003
 Lake Erie Millennium Network Biennial Conference, Windsor, ONT, 2003
 The Wildlife Society, Dubuque, IA, 2003
 Wisconsin Society of Science Teachers Annual Convention, Duluth, MN, 2001
 Annual Meeting of the Ecological Society of America, Baltimore, MD, 1998

Honors and Fellowships

Wings Across the Americas 2017 Research Partnership Award winner, co-recipient with Niemi *et al.*
 Partners in Flight 2016 Investigations Award winner, co-recipient with Niemi *et al.*
 Distinguished Performance, Excellence in Scholarship 2013 award recipient, University of Wisconsin-Superior, 2013
 Honorable Mention (coauthor with Morrice *et al.* and Trebitz *et al.*), Scientific and Technological Achievement Award (STAA) Competition, US EPA, 2009
 Highly Cited Author Award (Reavie *et al.* 2007), Journal of Great Lakes Research 2006-2008
 Block Fellowship, University of Minnesota, Fall 2008
 Travel Fellowship, University of Minnesota Duluth, 1998
 Outstanding Graduate Teaching Assistant, University of Minnesota Duluth, 1997
 Summer Block Fellowship, University of Minnesota Duluth, 1997
 Summer Block Fellowship, University of Minnesota Duluth, 1996
 Outstanding Junior in Biology, University of Wisconsin-Whitewater, 1992
 Outstanding Earth Science Student, University of Wisconsin-Whitewater, 1992
 Cummings Award in Biology, University of Wisconsin-Whitewater, 1992
 Irvin L. Young scholarship, University of Wisconsin-Whitewater, 1992

Professional Service and Community Work

Manuscript and Proposal Referee

Ecological Complexity, Ecological Indicators, Ecological Informatics, Environmental Management, Estonian Research Council, Forest Ecology and Management, Geoscience Data Journal, Journal of Environmental Research and Public Health, Journal of Field Ornithology, Journal of Great Lakes Research, Landscape Ecology, Polish Journal of Environmental Studies

Other

Stressor Interactions Workgroup member, International Joint Commission 2018
 Lake Ontario Wetlands Experts group member, Spring 2017
 Research Advisory Board member, Lake Superior National Estuarine Research Reserve 2015-present
 External tenure reviewer, University of Minnesota Crookston
 Appointed member of Wisconsin Point Plan Implementation Committee 2013-present
 County Host, Northwoods Cooperative Weed Management Area 2011 Right-of-way Workshop, Spring 2011
 Program Planning Committee, St. Louis River Estuary Summit, 2011, 2012, 2013, 2014
 Minnesota Breeding Bird Atlas ad hoc Technical Committee, 2007
 Douglas County delegate, Wisconsin Conservation Congress, Habitat Committee and Air, Water, and Waste

Committee, 2003-2008

Abstract reviewer, Society for Conservation Biology, 2003

Participant, Brule River State Forest master planning citizen group, 1999-2001

Graduate student representative, College of Science and Engineering Program Committee, University of Minnesota Duluth, 1997-1998

Graduate student representative to Department of Biology, University of Minnesota Duluth, 1997-1998

Volunteer naturalist, Military Ridge State Park Trail, WI, 1993-1995

Member, Botanical Club of Wisconsin, 2000-present

Member, The Nature Conservancy, Wisconsin Chapter, 1991-2015

Research and Quantitative Skills

Field: knowledge of vascular flora of northern Wisconsin and Minnesota, floristic surveys in coastal and inland wetlands, forests, open areas, using random walks, quadrats, and relevés, forest stand measurements using distance-based approaches (PCQ), wedge prisms, and enumeration, point estimates of vegetation cover, tree increment coring, seedling morphology measurements.

Statistical techniques: analysis of variance, regression (linear, loess, logistic, Poisson), classification and regression trees, ordination (correspondence analysis, non-metric multi-dimensional scaling, redundancy analysis, principal response curves), principal components analysis, canonical correlation analysis, mixed models, multi-response permutation procedure, bootstrapping, discriminant function analysis, before-after control-impact designs, stratified random sampling designs, repeated measures, hierarchical partitioning, power analysis, cluster analysis, model selection criteria, data transformations.

Software: SAS, S-Plus, R, CANOCO, PC-Ord, CART, ArcGIS, Microsoft Office suite, Paint Shop Pro.

Prior Teaching Experience

Instructor, Ecology Lab, 2 cr., University of Minnesota Duluth, 2007

Instructor, General Biology II, 5 cr., University of Minnesota Duluth, 2000, 2001

Instructor, General Biology I, 5 cr., University of Minnesota Duluth, 2000

On-site Coordinator, Itasca Field Biology Enrichment Program, University of Minnesota, 1998

Graduate Teaching Assistant, University of Minnesota Duluth, 1995-1998

Life Science Teacher, Neenah Joint School District, Neenah, WI, 1994-1995

Teaching Assistant, Science World, Wisconsin Department of Public Instruction, 1992-1993

Graduate Coursework

Plant Autecology	Economic and Social Aspects of Conservation
Plant Population and Community Ecology	Biology
Stream Ecology	Applied Statistical Analysis
Mathematical Ecology	Linear Regression Analysis
Measurement and Analysis of Vegetation	Multivariate Analysis
Conservation Biology	GIS for Natural Resources
Landscape Ecology	Proposal Writing
Research Problems: Forest Spatial Data Analysis	

Courses as Graduate Teaching Assistant

Human Anatomy	Plant Biology
Plant Diversity	Genetics
Biology and Society	Conservation Biology
Introductory Biology	