

MICHAEL D. HYSLOP

Teaching Professor

Director, MGIS Degree Program IFP Academic coordinator
College of Forest Resources & Environmental Science
Michigan Technological University Houghton, MI 49931-1295 USA
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RESEARCH INTERESTS

Invasive Species spatial trends
Applications of geospatial tools (GPS, GIS, and remote sensing)
Quaternary glacial geomorphology in the Great Lakes region

EDUCATION

MICHIGAN TECHNOLOGICAL UNIVERSITY, HOUGHTON, MI

PH.D. CANDIDATE, FOREST SCIENCE

Dissertation topic: Spatial dynamics of emerald ash borer
Advisor: Dr. Andrew J. Storer (storer@mtu.edu)

MICHIGAN STATE UNIVERSITY, EAST LANSING, MI

M.A., GEOGRAPHY

Thesis title: A comparison of user performance on spectral color and grayscale continuous-tone maps
Advisors: Richard Groop and Judy Olson

B.S., GEOGRAPHY (*with high honor*)

Physical geography and cartography / GIS focus

OTHER EDUCATION

STOCKHOLM UNIVERSITY, STOCKHOLM, SWEDEN

WorldDendro, 2010 DENDROCHRONOLOGICAL FIELD COURSE

Mekrijarvi research station, Illomantsi, Finland, June 6-10, 2010

OREGON STATE UNIVERSITY, CORVALLIS, OR

Mapping from Aerial Photography short course

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, REDLANDS, CA

Authorized ArcView instructor, esri authorized teaching program

Introduction to ArcView 3 short course, East Lansing, MI

Arc/INFO System Administration Workshop, Minneapolis, MN

ESRI VIRTUAL CAMPUS, REDLANDS, CA

3D Analysis of Surfaces and Features Using ArcGIS
3D Visualization Techniques Using ArcGIS
Address Geocoding with ArcGIS
Advanced Techniques for Cartographic Representations
ArcGIS Data Interoperability Basics
Archiving Data in a Multiuser Geodatabase
Basics of Python (for ArcGIS 10)
Basics of the Geodatabase Data Model
Building Models for GIS Analysis Using ArcGIS
Characterizing Forests Using ArcView 3.x
Creating and Editing Metadata in ArcGIS
Creating and Integrating Data for Natural Resource Applications
Creating and Maintaining Metadata Using ArcGIS Desktop
Creating and Sharing GIS Content Using ArcGIS Online
Creating and Sharing Map Packages in ArcGIS
Creating, Editing, and Managing Geodatabases for ArcGIS 8.2
Customizing ArcPad
Data QC with ArcGIS: Automating Validation
Data QC with ArcGIS: Visual Review
Data Transformation with ArcGIS Data Interoperability Spatial ETL Tools
Exploring Spatial Patterns in Your Data Using ArcGIS
Field GIS: Collecting and Editing Data Using ArcPad 10
Getting Started with Geodatabase Topology
Image Processing with ArcGIS
Introduction to ArcGIS Data Interoperability Spatial ETL Tools
Introduction to ArcView 3D Analyst
Introduction to ArcView Spatial Analyst
Introduction to the ArcGIS for Server REST API
Managing Lidar Data in ArcGIS 10
Migrating from ArcView 3.x to ArcGIS
Performing Spatial Interpolation Using ArcGIS
Python Scripting for Geoprocessing Workflows
Python Scripting for Map Automation
Regression Analysis Using ArcGIS
Solving Spatial Problems Using ArcGIS
Teaching with GIS: Field Data Collection Using ArcGIS
Teaching with GIS: Introduction to Using GIS in the Classroom
The 15-Minute Map: Creating a Basic Map in ArcMap
Transforming Data Using Extract, Transform, and Load Processes
Using Raster Data for Site Selection
Working with Geodatabase Domains and Subtypes in ArcGIS
Working with Map Topology in ArcGIS
Working with Rasters in ArcGIS Desktop
Working with Survey Data in ArcGIS

HONORS AND AWARDS

MICHIGAN TECHNOLOGICAL UNIVERSITY, HOUGHTON, MI

- Distinguished Teaching Award (Assistant Professor / Lecturer category), 2020 (awarded 2021)
- Michigan Tech Academy of Teaching Excellence inductee, 2020
- Dean’s Teaching Showcase nominee (spring 2018)
- Member, Xi Sigma Pi Forestry Honor Society
- SFRES Outstanding Faculty (2016-2017)
- SFRES Staff member of the year (2009-2010)
- SFRES Outstanding staff member (2005-2006)
- Xi Sigma Pi distinguished staff award (2003-2004)

MICHIGAN STATE UNIVERSITY, EAST LANSING, MI

- Outstanding Senior in Geography
- Member, Phi Kappa Phi national honor society

PROFESSIONAL EXPERIENCE

MICHIGAN TECHNOLOGICAL UNIVERSITY, HOUGHTON, MI

Teaching Professor; Director, Master of GIS degree program (2016—)

Teaching responsibilities

- Integrated Field Practicum (summer & fall camp) academic coordinator
- FW5801 – Seminar in GIS
- FW5556 – GIS Project Management
- FW5554 – GPS Field Techniques
- FW4545 – Map Design with GIS
- FW3170 – Land Measurements and GPS
- FW3180 – Geomorphology, Landscapes, and Ecosystems
- FW3540 – Introduction to Remote Sensing and GIS
- SS4010 – Social Science Methods (co-taught with Carol MacLennan; 2009)
- FW3330 – Soil Science (assisting Martin Jurgensen, 2008)
- FW450a – GIS database management with ArcView (1998)
- FW454 – Introduction to Remote Sensing and GIS (1996)
- FW354 – Aerial Photograph Interpretation (1995–1996)

Director, Master of GIS degree program / Senior Academic Consultant (IT) (2013—2016)

- Provided GIS support to campus (facilities, infrastructure, research)
- Lecturer with teaching responsibilities in CFRES

Senior Academic Consultant (IT) / Lecturer (2011—2013)

- Provided GIS support to campus (facilities, infrastructure, research)
- Lecturer with teaching responsibilities in CFRES

Geographic Information Systems Analyst / Lecturer (2001—2011)

Selected research projects

- People and Land U.P. Corporate land ownership change project
- EAB Detection Survey
- Rural Ash Monitoring Plot Network
- National Park Service invasive plant modeling
- NPS mapping, data analysis, parcel mapping, & historic orthophoto creation
- West Point Foundry GIS
- Quincy Mine historic GIS
- Svalbard archaeology project

Geographic Information Systems Analyst (1995—2001)

Groundwater Education in Michigan (GEM) center / CFRES

Selected projects

- Indianhead Ski Area wellhead protection plan
- Source Water Assessment (SWAP) groundwater protection project (MDEQ)
- SFRES web site development
- Michigan Tech ski trail mapping
- Clay Lake Plain ecosystem project (eastern UP)
- Ecological Characterization of Landtype Associations in the Eastern Upper Peninsula of Michigan

GREAT LAKES COMMISSION, ANN ARBOR, MI

Program specialist, Resource Management and Environmental Quality (1994—1995)

Provided support for multiple projects

- Great Lakes Oil Spill Contingency planning (US EPA)
- Great Lakes Information Network (glin.net)
- Great Lakes Regional Air Toxic Emissions Inventory project (RAPIDS)
- Great Lakes Basin Program for soil. Erosion and sediment control project

MICHIGAN STATE UNIVERSITY, EAST LANSING, MI

Graduate teaching and research assistant (1990—1993)

Selected duties

- Research assistant, Center for Remote Sensing (IMAGIN project) 1991-1993
- Teaching assistant, Department of Geography—
Map Design course, Aerial Photo Interpretation, Production Cartography

PROFESSIONAL MEMBERSHIPS

- Entomological Society of America
- North American Cartographic Information Society (NACIS)

PROFESSIONAL SERVICE

- Teaching With Spatial Tools (TWiST) short course
- USFS National Advanced Silviculture Program (NASP) instructor
- Spatial tools workshop for enterprise teachers
- GPS/GIS workshop for secondary STEM teachers
- Western UP Science Fair judge
- FRES Teacher's institute (GIS, Geomorphology & soils)

ArcView GIS workshop instructor
ArcGIS 9.x workshop for NPS staff
USFS PASS program
Instructor, Korean Teacher exchange program
ArcGIS 8 Workshop for KBIC
ArcView GIS workshop (3-day) for Western UP Center for Math, Science & Environmental Education
Advanced ArcView GIS workshop for Ottawa & Hiawatha NF staff

UNIVERSITY SERVICE

Search committee, Assistant Teaching Professor in GIS & Remote Sensing (2023)
Search committee, Ford Center operations manager (2021)
Search committee, Lecturer in NR (2018)
CFRES Computing / IT committee 1999–03 (chair 02–03); 2008-11; 2016– (chair 2021–)
Search committee, Remote Sensing & Spatial Analysis (2018-19; 2015-16; 2013-14)
Ford Center & Forest committee member, 2017–
Search committee, Facilities CAD technician search (2017; 2015)
Dean’s evaluation & review committee (2015; 2006)
Senator, Academic Services C (MTU Senate; 2008—2013)
Esri campus coordinator (1998–)
Maintained Michigan Tech GPS base station, web site, data. (~2000–2010)
Software, licensing, & hardware IT committee (2006–07)
Staff representative – school council (2000–01)
Y2K committee (1999)
Software, Licensing & Data (SLAD) committee, 1998–00)
SWFP Forestry Program Coordinator search committee (1998)

GRADUATE STUDENTS

Graduate students as committee member. Major advisor in parentheses ()

Katelyn Hacker, MF (2022) (Bal)
Joel VanDiepenbos, MGIS (2022) (Hyslop/Jarvi)
Emma Jones, MGIS (2022) (Hyslop/Jarvi)
Evelyn Magner, AE (2022) (Hyslop/Jarvi)
Nicholas Treusch, MGIS (2022) (Hyslop/Jarvi)
Rachael Wilbur, AE (2022) (Jarvi)
Ryan Williams, MGIS (2021) (Hyslop / Jarvi)
Brittany Hubbard, MS CEE (2019-2021) (V. Webster)
Andrew Robertson, MGIS (2021) (Hyslop / Jarvi)
Gregory Horton, MGIS (2021) (Hyslop / Jarvi)
Kaitlyn Dodge, MGIS (2021) (Hyslop / Jarvi)
Nicholas Gorske, MGIS (2021) (Hyslop / Jarvi)
Mohammed Aref Amiri, MGIS (2021) (Hyslop / Jarvi)
Helen DeMarsh, MGIS (2020) (Hyslop)
Sanna Mairet, MGIS (2019) (Maclean)
Jamal Palmer, MF (2019) (Bal)
Ryan Warmboe, MF (2019) (Bal)
Doug Tyran, MF (2019) (Bal)
Maria Krivova, MGIS (2019) (Froese)
Alexis DeGabrielle, MGIS (2019) (Hyslop)

Zach Evans, MF (2019) (Bal)
Kenny Rogriguez Garcia, MGIS (2019) (Hyslop)
Danielle Rupp, MGIS (2018) (Hyslop)
Tugay Demirislan, MS (2018) (Froese)
Lester Livermore, MGIS (2018) (Hyslop)
Gregory Fedie, MGIS (2018) (Hyslop)
Erica Anderson Degaga, MGIS (2018) (Hyslop / Maclean)
Ausama Al-Shammari, MS IGT (2018) (Levin)
Jake Halabut, MF (2017) (Bal)
Joel Taylor, MF (2017) (Bal)
Aysen Sozen, MGIS (2017) (Maclean)
Khalid Samady, MS CEE (2017) (Watkins)
Yanyun Li, MGIS (2017) (Hyslop)
Shane Kleiman, MF / MGIS (2017) (Bal / Hyslop)
Matthew Custer, MS (2017) (Maclean)
Joseph Pilkington, MGIS (2017) (Hyslop)
Crystal Zhang, MGIS (2016) (Hyslop)
Alexandra Perrier, MF (2016) (Bal)
David Gilmore, MF (2016) (Bal)
Brian Doughty, MGIS (2016) (Hyslop)
Emily Collins, MGIS (2016) (Maclean)
Houjun Ding, MGIS (2016) (Hyslop)
Alexander Sprague, MGIS (2016) (Hyslop)
Kaitlin Reinl, MS (2015-2016) (Wagenbrenner)
Matthew Modlin, MF (2015) (Bal)
Nathan Pinti, MF (2015) (Bal)
Michael Scabia, MF (2015) (Bal)
Bryan Shideler, MF (2015) (Bal)
Robert Clark, MGIS (2015) (Hyslop)
Kaye LaFond, MS CEE (2013–2014) (V. Webster)
T.J. Witherspoon, MF (2014) (Pickens)
Melissa Porter, MS, 2007–2009 (Storer)
Michelle Freeman, MS, 2007–2009 (Storer)

CONSULTING

Pebble Beach Company, Pebble Beach, CA
Griffith Wildlife Biology, Calumet, MI
Pilgrim River Watershed Project, Houghton, MI
Houghton County 911, Houghton, MI
Kretz Lumber Company, Antigo, WI
Copper Country Trout Unlimited
Western Upper Peninsula Planning and Development Region, Houghton, MI
Marquette County Resource Management, Marquette, MI

PEER-REVIEWED PUBLICATIONS

Risch, A.C. et al. Controls of Initial Wood Decomposition on and in Forest Soils Using Standard Material. Frontiers in Forests and Global Change 5 (2022): 1–12.

Helama, S., B.W. Arentoft, O. Collin-Haubensak, M.D. Hyslop, C.K. Brandstrup, H.M. Makela, Q. Tian, R. Wilson, 2013. Dendroclimatic signals deduced from riparian versus upland forest interior pines in North Karelia, Finland. [Ecol Res 28, 1019-1028](#)

Storer A.J., M.F. Jurgensen, A.C. Risch, J. Delisle and M.D. Hyslop. 2008. The fate of an intentional introduction of *Formica lugubris* to North America from Europe. [Journal of Applied Entomology 2008 132:4 276](#)

Risch, A.C., M.F. Jurgensen, A.J. Storer, M.D. Hyslop and M. Schutz. 2008. Abundance and distribution of organic mound-building ants of the *Formica rufa* group in Yellowstone National Park. [Journal of Applied Entomology 2008 132:4 326](#)

BOOK CHAPTERS

Auer, M.T., Auer, N.A., Barkdoll, B.B., Bornhorst, T.J., Brooks, C., Dempsey, D., Doskey, P.V., Green, S.A., Hyslop, M.D., Kerfoot, W.K., Mayer, A.S., Perlinger, J.A., Shuchman, R., Urban, N.R. and Watkins, Jr., D.W. 2012. The Great Lakes: Foundations of Physics, Hydrology, Water Chemistry, and Biodiversity. In, J. Schnoor (ed.), *Water Quality and Sustainability*, Elsevier Publishers, London.

Auer, M.T., Auer, N.A., Barkdoll, B.B., Bornhorst, T.J., Brooks, C., Dempsey, D., Doskey, P.V., Green, S.A., Hyslop, M.D., Kerfoot, W.K., Mayer, A.S., Perlinger, J.A., Shuchman, R., Urban, N.R. and Watkins, Jr., D.W. 2012. The Great Lakes: Nutrients, Sediments, Persistent Pollutants, and Policy Perspectives for a Sustainable Future. In, J. Schnoor (ed.), *Water Quality and Sustainability*, Elsevier Publishers, London.

OTHER PUBLICATIONS

Introduction to Digital Remote Sensing – a workbook for an NRCS short course (illustrations), Michigan State University, August 1993

Reviewed *Surface III for the Macintosh* (with Richard Groop). *Cartography and Geographic Information Systems*, Vol. 20, no. 1, January 1993

Reviewed *An Atlas of Population Patterns in Los Angeles and Orange Counties*. *Cartographic Perspectives*, Number 11, Fall 1991

Numerous maps and informational graphics for books and journal articles (1989–2020)

REPORTS

Hyslop, M.D., A.J. Storer and J. Oisten. 2009. [Upper Peninsula Recreation Site Ash Survey Maps](#). School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.

Storer, A.J., M.D. Hyslop, N.D. Windmuller, J.C. Witter, J. Stoyenoff. 2009. [Southeastern Michigan Recreation Site Ash Survey Maps](#). School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.

Hyslop, M.D., A.J. Storer, N.D. Windmuller, J.C. Witter, K. Windfeldt. 2009. [Lower Peninsula Recreation Site Ash Survey Maps](#). School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.

Hyslop, M.D., A.J. Storer, N.D. Windmuller, J.C. Witter, K. Windfeldt. 2009. [Michigan Ash Monitoring Plot System Lower Peninsula Plot Atlas](#). School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.

Hyslop, M.D., A.J. Storer, S. Brodeur-Campbell and J. Metzger. 2009. [Michigan Ash Monitoring Plot System Upper Peninsula Plot Atlas](#). School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.

Froese, R.E., M.D. Hyslop, C.A. Miller, B. Garmon, H. McDiarmid, Jr., A. Shaw, L. Leefers, M. Lorenzo, S. Brown and M. Shy. 2007. [Large-tract Forestland Ownership Change: Land Use, Conservation, and Prosperity in Michigan's Upper Peninsula](#). National Wildlife Federation, Ann Arbor, MI.

Miller, C.A., R.E. Froese and M.D. Hyslop. 2007. [The Role of Corporate Timberland Ownership Change in Land Use, Conservation, and Local Prosperity in Michigan's Upper Peninsula](#) School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.

Weiner, J., F-B Stefan, Reed, D.D., Maclean, A.M., Strong, M., Hyslop, M. 1998. In: Bytnerowicz, A., Arbaugh, M.J., Schilling, S.L., technical coords. Proceedings of the international symposium on air pollution and climate change effects on forest ecosystems. Gen. Tech. Rep. PSW-GTR-166. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station: 187-196.

PUBLISHED ABSTRACTS

Hyslop, M.D. and A.J. Storer. 2010. Assessment of an apparently isolated population of emerald ash borer in Upper Michigan. [Proceedings of the 21st USDA Interagency Research Forum on Invasive Species](#), January 11-14, 2010. Annapolis, MD. Gen. Tech. Rep. NRS-P-75. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. P. 94.

Hyslop, M.D. and A.J. Storer. 2009. Assessment of an emerald ash borer infestation in Houghton County, Michigan: Development of an apparently isolated population. [Proceedings of the emerald ash borer research and technology development meeting](#), Pittsburgh, PA, October 20-21, 2009. FHTET-2010-01, July, 2010, Forest Health Technology Enterprise Team, Morgantown, West Virginia. P. 29.

Storer, A.J., J.A. Metzger, R.L. Heyd, S.A. Katovich, M.D. Hyslop and W.R. McNee. 2007. Living with Emerald Ash Borer: Three years of a risk based survey in Michigan and Wisconsin. [Proceedings of the 18th USDA Interagency Research Forum on Invasive Species](#), January 9-12, 2007. Annapolis, MD. General Technical Report NRS-P-28, USDA Forest Service, Newtown Square, PA. P. 77.

Storer, A.J., J.A. Metzger, R.L. Heyd, S.A. Katovich and M.D. Hyslop. 2007. Three years of a risk-based emerald ash borer detection survey and firewood survey in Michigan and Wisconsin. [Proceedings of the emerald ash borer and Asian longhorned beetle research and technology development meeting](#), Cincinnati, Ohio, Oct 29-Nov 2 2006. FHTET 2007-04, Forest Health Technology Enterprise Team, Morgantown, West Virginia. P. 70

ORAL PRESENTATIONS

Hyslop, M.D. and A.J. Storer. 2010. An assessment of the northernmost known population of emerald ash borer infestation in North America. [Annual Meeting of the Entomological Society of America. San Diego, CA. December 11-15, 2010.](#)

Hyslop, M.D. and A.J. Storer. 2009. Assessment of an emerald ash borer infestation in Houghton County, Michigan: Development of an apparently isolated population. Emerald ash borer research and technology development meeting, October 20-21, 2009, Pittsburgh, PA.

Froese, R.E., C.A. Miller, L.A. Leefers and M.D. Hyslop. 2008. Causes and consequences of large corporate forestland sales in the Upper Midwest. 6th Forest and Wildlife Research Review, January 16, 2008, Duluth, MN.

Froese, R.E., C.A. Miller and M.D. Hyslop. 2007. Corporate forestland ownership change: the Upper Peninsula in transition. Community Forums sponsored by People and Land, June 19-21, 2007 at Newberry, Marquette and Houghton, MI.

Storer, A.J., J.A. Metzger, R.L. Heyd, S.A. Katovich, M.D. Hyslop and W.R. McNee. 2006. A 2006 risk based detection survey for emerald ash borer (*Agrilus planipennis*) in Michigan and Wisconsin. Annual Meeting of the Entomological Society of America, December 10-13, 2006, Indianapolis, Indiana.

Storer, A.J., J.A. Metzger, R.L. Heyd, S.A. Katovich and M.D. Hyslop. 2006. Three years of a risk-based emerald ash borer detection survey and firewood survey in Michigan and Wisconsin. Emerald ash borer and Asian longhorned beetle research and technology development meeting, Cincinnati, Ohio, October 29-November 2 2006.

Hyslop, M.D. 2006. Technological Advances in Field Measurement Equipment. Xi Sigma Pi symposium, Houghton, MI, April 7, 2006.

Storer, A.J., **J.A. Metzger**, M.D. Hyslop, R.L. Heyd, and S.A. Katovich. 2005. A 2005 detection survey for emerald ash borer, *Agrilus planipennis*, in Michigan and northern Wisconsin. Annual Meeting of the Entomological Society of America. Ft. Lauderdale, FL. December 15-18 2005.

Storer A.J., E.E. Graham, M.D. Hyslop and R.L. Heyd. 2004. Michigan Emerald Ash Borer Detection Survey. 2nd Annual Emerald Ash Borer Research Meeting, Romulus, Michigan. October 4-5, 2004.

POSTER PRESENTATIONS

Hyslop, M.D. and A.J. Storer. 2011. The northernmost emerald ash borer population in Upper Michigan: delimitation and reconstruction. North American Forest Insect Work Conference. Portland, OR. May 9-12, 2011.

Hyslop, M.D. and A.J. Storer. 2010. Assessment of an apparently isolated population of emerald ash borer in Houghton County. ESC / BRC Graduate Research Forum, Houghton, MI, March 26, 2010.

Hyslop, M.D. and A.J. Storer. 2010. Assessment of an apparently isolated population of emerald ash borer in Upper Michigan. 21st USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 11-14, 2010.

Hyslop, M.D. and A.J. Storer. 2009. History of an apparently isolated emerald ash borer (*Agrilus Planipennis*) infestation in Upper Michigan. [Annual Meeting of the Entomological Society of America. Indianapolis, IN. December 13-16, 2009.](#)

Porter, M.J., M.D. Hyslop and A.J. Storer. 2009. Detection of emerald ash borer, *Agrilus planipennis*, when at low population density. 20th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 12-15, 2009.

Shartell, L.M., L.M. Nagel, A.J. Storer, M.D. Hyslop and C.R. Webster. 2009. Multi- Criteria Risk Models for Invasive Exotic Plants. 20th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 12-15, 2009.

Storer A.J., M.F. Jurgensen, A.C. Risch, J. Delisle and M.D. Hyslop. 2007. The fate of a red wood ant species, *Formica lugubris*, introduced into North America from Europe. European Geosciences Union General Assembly, Vienna, Austria, April 15-20, 2007.

Storer, A.J., J.A. Metzger, R.L. Heyd, S.A. Katovich, M.D. Hyslop and W.R. McNee. Living with Emerald Ash Borer: Three years of a risk based survey in Michigan and Wisconsin. 18th USDA Interagency Research Forum on Invasive Species, Annapolis, MD, January 9-12, 2007.

Shartell, L.M., L.M. Nagel, A.J. Storer, M.D. Hyslop and C.R. Webster. 2006. Predictive modeling of invasive plants within the National Parks of the Great Lakes Network. Presentation, Great Lakes Research Conference, Ashland, WI, March 22-23, 2006.

Metzger, J.A., Storer, A.J. and M.D. Hyslop. 2006. Detection of emerald ash borer in Michigan and northern Wisconsin. Sustainable Forests Education Cooperative 5th Annual Forest and Wildlife Research Review, Duluth, MN, January 11, 2006.

Storer, A.J., L.M. Nagel, C.R. Webster, M.D. Hyslop. 2005. A Predictive Model for Exotic Plant Species for the Great Lakes Network of the U.S. National Park Service. Great Lakes Research Conference, Marquette Michigan, March 30-31, 2005.

Metzger, J.A., S.E. Brodeur-Campbell, M.D. Hyslop, A.J. Storer and J.A. Witter. 2004. Establishment of an ash (*Fraxinus* spp.) monitoring plot system in Michigan. 52nd Annual Meeting of the Entomological Society of America, Salt Lake City, Utah. November 14-17, 2004.

Metzger, J.A., S.E. Brodeur-Campbell, M.D. Hyslop, J.A. Witter and A.J. Storer. 2004. Establishment of an ash monitoring plot system in Michigan's rural forests. 18th North American Forest Biology Workshop, Houghton, Michigan, July 12-15, 2004.

Witter, J.A., K.M. Windfeldt, A.J. Storer and M.D. Hyslop. 2004. Monitoring the Health of Ash Trees in Michigan's Rural Forests. 2004 Forest Health Monitoring (FHM) Work Group Meeting, Sedona, Arizona, February 10-12, 2004

PROJECT FUNDING

Froese, R.E. and M.D. Hyslop. "Role of Corporate Timberland Ownership Change in Land Use, Conservation and Local Prosperity in Michigan's Upper Peninsula". Michigan State University Land Policy Program, \$50,000. 2006-2007.

Storer, A.J., L.M. Nagel, C.R. Webster and M.D. Hyslop. "A predictive model for exotic plant species for the Great Lakes Network of the U.S. National Park Service". National Park Service, \$45,000, MTU contribution \$42,172 (Total = \$87,172). 2004- 2008.

Hyslop, M.D., S. Noble and J.M. Schmierer. "Geospatial Data Acquisition and Dissemination System (GDADS) Project". Michigan Technological University Research Excellence Fund grant. \$22,000, 2003.

Hyslop, M.D. "GIS Services for Isle Royale National Park (ISRO) and Keweenaw National Historical Park (KEWE). National Park Service, \$40,000, 2003.

Hyslop, M.D. "GIS Services for the Great Lakes Network of the National Park Service". National Park Service, \$30,000, 2003-2006.

Diehl, J., P.M. Martin and M.D. Hyslop. Grant funded for purchase of Trimble GPS Base Station. Century II Endowed Equipment Fund (C2E2), Michigan Technological University, \$25,000, 2000.

Hutzler, N.J., M.D. Hyslop and K. Bradof. "Michigan's Source Water Assessment Program". Michigan Department of Environmental Quality, \$207,000, 1999-2003.

Hyslop, M.D. "GIS support for Isle Royale National Park, Pictured Rocks National Lakeshore, and Keweenaw National Historical Park". National Park Service, \$180,000, 1996-2001.

NSF Institutional Grant, "High Performance Connections to the Internet". Eric Aup- perle (PI) and Jeffrey Ogden (Co-PI), of Merit Network, Inc. in cooperation with CMU, Michigan Technological University, and NMU. Michigan Tech research faculty and staff contributing to the proposal included: T. Bornhorst, R. Brown, J. Cross, B. Helminen, X. Huang, M. Hyslop, D. Johnson, S. Laemmrich, A. Maclean, T. McNinch, P. Murthy, A. Narain, J. B. Rafert, J. Riehl, W. Rose. NSF approved December 1998. Grant period: 1/1/1999 - 12/31/2000. Total project cost: \$814,600. NSF portion: \$350,000.

Last updated: 14 February 2023