

CURRICULUM VITAE - DR. DOUGLAS R. PEARSALL

SENIOR CONSERVATION SCIENTIST, THE NATURE CONSERVANCY IN MICHIGAN

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EDUCATION

University of Michigan, School of Natural Resources and Environment

Ph.D., Resource Ecology and Management (Forest Ecology), 1995

Dissertation: *Landscape Ecosystems of the University of Michigan Biological Station:
Ecosystem Diversity and Ground-cover Diversity*

M.S., Resource Ecology and Management (Arboretum Management), 1990

State University of New York, College of Environmental Science and Forestry

B.S., Forest Biology, 1987

PROFESSIONAL EXPERIENCE

The Nature Conservancy in Michigan

Senior Conservation Scientist, November 2006 – present.

East Michigan Science and Planning Director, January 2004 – November 2006.

Director of Conservation Science, Michigan, March 2001 – January 2004.

Conservation Planning Coordinator, Michigan, June 1995 – March 2001.

Caretaker, Stinchfield Woods, University of Michigan School of Natural Resources and Environment forest property, August 1989 – August 1995.

Research Assistant, National Park Service Central Park Service Unit, St. Paul, Minnesota, January – February 1993.

Graduate Assistant and Intern, Nichols Arboretum of the University of Michigan, Ann Arbor, MI, January 1989 – December 1990.

Teaching Assistant, Woody Plants, University of Michigan School of Natural Resources, September 1989 – December 1990.

Tree Crew Member, University of Michigan, January – April 1990.

Assistant Arborist, Cayuga Tree Service, Elbridge, NY February – December 1988.

Science Teacher, Gouverneur Central Schools, Gouverneur, NY September 1987 – January 1988.

Interpretive Trail Construction Team Member, Adirondack Park Agency, Newcombe, NY May – September 1987.

Lab Assistant, Dendrology, State University of New York, College of Environmental Science and Forestry, Syracuse, NY September 1986 – May 1987.

GRANTS AND AWARDS

- 2013, USFWS Upper Midwest and Great Lakes Landscape Conservation Cooperative: Facilitating the Effectiveness of State Wildlife Action Plans at Multiple Scales in the Upper Midwest/Great Lakes LCC. Co-PI with John Paskus of the Michigan Natural Features Inventory. \$140,825
- 2010, US EPA Great Lakes Restoration Initiative: Blueprints for Conservation of Biodiversity. \$600,000
- 2008, State Acres for Wildlife Enhancement (NRCS CP38-SAFE), Michigan Proposal: Southern Michigan Diverse Grassland Creation. Co-PI with MDNR Wildlife Division and Pheasants Forever. \$9,825,000
- 2006, National Fish and Wildlife Foundation, Great Lakes Watershed Restoration Program. Southeast Michigan Headwaters Restoration Collaborative. \$75,000
- 2005, US Fish and Wildlife Service, Private Stewardship Grants Program. \$100,000
- 2003, US Fish and Wildlife Service, Private Stewardship Grants Program. \$117,047

PROFESSIONAL AND RESEARCH INTERESTS

- Large-scale conservation planning and spatial optimization
- Collaborative adaptive management
- Measures of ecological condition and restoration success
- Incorporation of human well-being into conservation planning and practice

RECENT PUBLICATIONS

- Allan J.D., N. F. Manning, S.D.P. Smith, C.E. Dickinson, C.A. Joseph, and **D.R. Pearsall**. (In review). Ecosystem Services of Lake Erie: Spatial Distribution and Concordance of Multiple Services.
- Annis, G.M., **D.R. Pearsall**, K.J. Kahl, P.J. Doran, C. May, E. Washburn, R.F. Taylor, J. Cole, and E. Game. (In review). Designing coastal conservation to deliver ecosystem and human well-being benefits.
- Albert, D.A., M. Lapin, and **D.R. Pearsall**. 2016. Knowing the territory: landscape ecosystem classification and mapping. *Michigan Botanist* 54:34-41.
- Paskus, J.J., **D.R. Pearsall**, and J.A. Ross. 2016. Facilitating the Effectiveness of State Wildlife Action Plans at Multiple Scales in the Upper Midwest/Great Lakes LCC: Findings and Recommendations. Report to the US Fish and Wildlife Service, Upper Midwest Great Lakes Landscape Conservation Cooperative. East Lansing, MI. Report number MNFI 2016-02, 56 pp. + appendices.
- Pearsall, D.R.**, K. Hall, B. Robertson, C. Swanston, C. Hall, S. Hamilton, S. Handler, M. Hannon, K. Hart, K. Jones, and B. Shulaker. 2015. Toward outcome-oriented forest conservation: Building capacity and momentum for collaborative management in the Northwoods. Report to the US Fish and Wildlife Service, Upper Midwest and Great Lakes Landscape Conservation Cooperative, East Lansing, MI. 78 pp. + appendices.
- Cross, M. D., K. V. Root, C. J. Mehne, J. McGowan-Stinski, and **D. R. Pearsall**. 2015. Multi-scale responses of eastern Massasauga rattlesnakes (*Sistrurus catenatus*) to prescribed fire. *Am. Midl. Nat.* 173:346-362.

- Pearsall, D.R.**, M.L. Khoury, J. Paskus, D. Kraus, P.J. Doran, S.P. Sowa, R. Franks Taylor, and L.K. Elbing. 2013. 1 Env. Practice 15(4):462-480.
- Pearsall, D.**, P. Carton de Grammont, C. Cavalieri, P. Doran., L. Elbing, D. Ewert.,K. Hall, M. Herbert, M. Khoury., S. Mysorekar, S. Neville., J. Paskus., and A. Sasson. (2012). Michigami: Great Water. Lake Michigan Biodiversity Conservation Strategy. Technical Report. A joint publication of The Nature Conservancy and Michigan Natural Features Inventory. Lansing, Michigan. 309 pp. with Appendices.
- Pearsall, D.**, P. Carton de Grammont, C. Cavalieri , C. Chu, P. Doran, L. Elbing, D. Ewert, K. Hall, M. Herbert, M. Khoury, D. Kraus, S. Mysorekar, J. Paskus and A. Sasson. (2012). Returning to a Healthy Lake: Lake Erie Biodiversity Conservation Strategy. Technical Report. A joint publication of The Nature Conservancy, Nature Conservancy of Canada, and Michigan Natural Features Inventory. Lansing, Michigan. 340 pp. with Appendices.
- Landis, D.A., A.K. Fiedler, C.A. Hamm, D.L. Cuthrell, E.H. Schools, **D.R. Pearsall**, M.E. Herbert, P.J. Doran. 2011. Insect conservation in Michigan prairie fen: addressing the challenge of global change. J Insect Conserv. 16:1:131-142 DOI: 10.1007/s10841-011-9398-3
- Franks Taylor, R., A.L. Derosier, K. Dinse, P.J. Doran, D.N. Ewert, K.R. Hall, M.E. Herbert, M.L. Khoury, D.T. Kraus, A. Lapenna, G. Mayne, **D.R. Pearsall**, J. Read, and B. Schroeder. 2010. The Sweetwater Sea: An International Biodiversity Conservation Strategy for Lake Huron - Technical Report. A joint publication of The Nature Conservancy, Environment Canada, Ontario Ministry of Natural Resources, Michigan Department of Natural Resources and Environment, Michigan Natural Features Inventory Michigan Sea Grant, and The Nature Conservancy of Canada. 217 pp.
- Pearsall, D.R.**, S.S. Woods, and P.J. Doran. 2006. Book Review: Invasive Plants of the Upper Midwest: An Illustrated Guide to Their Identification and Control. Ecological Restoration 24:132-133.
- The North Central Ecoregional Planning Team (**D.R. Pearsall** as lead). 2003. The North Central Tillplain Ecoregion: A conservation plan. The Nature Conservancy. 209 pp + appendices.
- Pearsall, D.R.**, 1995. Landscape ecosystems of the University of Michigan Biological Station: ecosystem diversity and ground cover diversity. Ph.D. dissertation. University of Michigan, Ann Arbor.
- Pearsall, D.R.** 1990. A newly discovered population of swamp cottonwood (*Populus heterophylla*) in southeastern Washtenaw County, Michigan. Mich. Bot. 29:75-76.
- Koehler, D. and **D.R. Pearsall**. 1988. Hardwood swamps in winter: recognizing common trees and shrubs. The Conservationist. 42:16-21

RECENT PRESENTATIONS AND SESSION LEADERSHIP:

- Jeff Schaeffer, Doug Pearsall, and Richard Norton, Co-chairs. Blue Communities: Integrating Ecology, Urban Planning, Design, and Social Science to Revitalize Coastal Communities. Session, June 8, 2016, International Association for Great Lakes Research Annual Meeting, Guelph, ON
- Doug Pearsall, Katie Kahl, Kris Johnson, Adam Whelchel, and Gust Annis. Coastal Restoration in Western Lake Erie: Improving Nature and Resilience in Coastal Communities. Oral presentation, June 8, 2016, International Association for Great Lakes Research Annual Meeting, Guelph, ON
- Doug Pearsall, Katie Kahl, Gust Annis, Patrick Doran, Chris May, and Dave Ewert. Developing a Shared Vision for Coastal Conservation in Western Lake Erie. Oral presentation, December 9, 2015, State of the Strait, Ypsilanti, MI

Doug Pearsall, Katie Kahl, Gust Annis, Patrick Doran, Eddie Game, and Erika Washburn. Conservation for People: Integrating Human Wellbeing into Coastal Conservation for Western Lake Erie. Oral presentation, May 26, 2015, International Association for Great Lakes Research Annual Meeting, Burlington, VT

Katie Kahl, Doug Pearsall, and Gust Annis. Creating a Shared Vision for Coastal Conservation in Western Lake Erie. Oral presentation, April 28, 2015, Biodiversity Without Boundaries, NatureServe Annual Conference, Traverse City, MI

Doug Pearsall, Tina Hall, and Jon Fosgitt. Climate-smart forest management: Testing Harvest Practices To Improve Forest Diversity And Resilience In The Two Hearted River Forest Reserve. Oral presentation, March 27, 2015, Michigan Chapter of the Wildlife Society Annual Conference, Clare, MI

Doug Pearsall. Saginaw Bay Optimization Decision Tool: Linking Management Actions to Multiple Ecological Benefits via Integrated Modeling. Oral presentation, May 12, 2015, Lake Huron Restoration Regional Meeting, Port Huron, MI

John Paskus and Doug Pearsall. Facilitating the Effectiveness of State Wildlife Action Plans in the Upper Midwest/Great Lakes LCC. Oral presentation, February 9, 2015, Midwest Fish and Wildlife Association Annual Meeting, Indianapolis, IN

RECENT COMMITTEES, MEMBERSHIPS AND SERVICE

- Upper Midwest and Great Lakes Landscape Conservation Cooperative, Forest Conservation Workgroup, September 2014 – Present; Leadership team, September 2015 – Present
- Conservation Coaches Network, Central US Region, Co-Chair, May 2016 - Present
- Conserving the Stage: Identifying Resilient Landscapes in the Great Lakes & Great Plains Region; Steering Committee, June 2015 - Present
- Lake Erie Partnership, Work Group, 2015 – Present
- Lake Erie Lake Ecosystem Objective Work Group, July 2015 - Present
- The Nature Conservancy, Invasive Species Advisory Committee, January 2012 – September 2015
- International Association for Great Lakes Research, Member and Peer reviewer (2015-2016)
- Great Lakes Fish and Wildlife Restoration Act, Peer reviewer (2016)
- Great Lakes Environmental Assessment and Mapping Project, Lake-Scale Planning for Lake Erie, Steering Committee, July 2014 - Present