

CURRICULUM VITAE

NAME **Douglas A. Wilcox, Ph.D., PWS**

ADDRESS Empire Innovation Professor of Wetland Science
Department of Environmental Science and Biology
The College at Brockport, State University of New York
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EDUCATION

1971. B.S., SUNY College of Environmental Science and Forestry, Syracuse, NY
major: biochemistry; senior thesis: Formation of alewife concretions in polluted Onondaga Lake
1974. M.S., SUNY College of Environmental Science and Forestry, Syracuse, NY
major: biochemistry; thesis: Enzymatic release of glucose and salidroside from a glucoside in *Fraxinus americana* seeds
1982. Ph.D., Purdue University, W. Lafayette, IN
major: aquatic ecology; dissertation: The effects of deicing salts on water chemistry and vegetation in Pinhook Bog, Indiana

PROFESSIONAL EXPERIENCE

Empire Innovation Professor of Wetland Science, SUNY—the College at Brockport, Brockport, NY
2008-present

Supervisory Ecologist (Research) GS-0408-14/15, Branch Chief, Coastal and Wetland Ecology Branch, U.S. Geological Survey—Great Lakes Science Center, Ann Arbor, MI
1996-2008 (retired)

Research Ecologist GS-0408-14, Project Leader, Habitat Assessment, National Biological Service—Great Lakes Science Center, Ann Arbor, MI
1994-1996

Research Ecologist GS-0408-12/13/14, Project Leader, Habitat Assessment, U.S. Fish and Wildlife Service, National Fisheries Research Center—Great Lakes, Ann Arbor, MI
1987-1994

Research Ecologist GS-0408-12, National Park Service, Indiana Dunes National Lakeshore, Porter, IN
1984-1987

Hydrologist GS-1315-11, National Park Service, Indiana Dunes National Lakeshore, Porter, IN
1978-1984

Research Assistant, GS-7, U.S. Veterans Administration Hospital, Syracuse, NY
1974-1978

Soil Conservationist, GS-7, USDA Soil Conservation Service, Syracuse, NY
1970-1974 (intermittent)

ACADEMIC EXPERIENCE

Empire Innovation Professor of Wetland Science, SUNY—the College at Brockport. Teaching load includes upperclass/graduate courses titled Wetland Ecology (ENV 446/546), Northern Wetlands (ENV 435/535), Restoration Ecology (ENV 448/548), and Graduate Seminar (Scientific Technical Writing) (ENV 705)

Adjunct Associate Professor, School of Natural Resources and Environment, University of Michigan—Ann Arbor. Upon invitation from the Dean, developed the curriculum and taught an upperclass/graduate course titled Wetland Ecology (NRE 508) during the second semester. 1998-2008.

Adjunct Associate Professor, Department of Natural Sciences, University of Michigan—Dearborn. Upon invitation from Department Chair, taught a graduate course titled Applied Ecology (wetlands) (Biol 514) during first semester in odd years as part of a new natural resources graduate program at the university. 2001-2007.

Adjunct Assistant Professor, School of Natural Resources and Environment, University of Michigan—Ann Arbor. Served as consultant for NRE 590 (Principles and Processes in Design) and instructor for NRE 398 (Natural Resources Internship) and NRE 300 (Special Problems in Research for Undergraduate Students). 1994-1997.

Eastern Michigan University. Taught Wetland Ecology as an independent study course. 1998.

Invited lectures at universities

- 2010. Water-level variability in the Great Lakes: natural cycles, human impacts, and human responses. Hobart and William Smith Colleges
- 2010. Water-level variability in the Great Lakes: natural cycles, human impacts, and human responses. Binghamton University
- 2010. Great Lakes water levels: natural cycles, human impacts, and human responses. SUNY College at Brockport, Mornings with the Professors
- 2002. Effects of climate change on Great Lakes wetlands. University of Michigan School of Natural Resources and Environment Ph.D. Seminar Series
- 2001. Predicting the response of Great Lakes wetlands to future climate changes. Duke University Distinguished Wetland Scientist Seminar Series

- 2001. The role of lake-level fluctuations in determining the diversity of wetland habitats in the Great Lakes. Wetland Ecology class, Duke University
- 2000. Effects of Great Lakes water-level fluctuations on wetlands. Eastern Michigan University Department of Biology seminar series
- 2000. Interactions between water levels and wetlands. Michigan State University, Kellogg Biological Station seminar series
- 1998. Effects of global climate change on wetlands of Lake Michigan. Hope College Biology Department seminar series
- 1997. Great Lakes wetlands. Ecology class, University of Toledo
- 1996. Careers in wetlands. Freshman Seminar, University of Michigan
- 1986. Opportunities for conducting research in Great Lakes area national parks. University of Wisconsin Botany Department Journal Club
- 1985. Research and resource management career opportunities in the National Park Service. EIP/Great Lakes Environmental Careers Conference, University of Michigan
- 1984. Wetland ecology. Faculty and graduate student seminar series, Indiana University
- 1982. Conducting field research in wetland ecology. General Ecology class, Purdue University
- 1981. Water resources characteristics. Environmental Science class, Indiana University-Northwest
- 1981. Water resources uses and protection. Environmental Science class, Indiana University-Northwest
- 1979-1987. Field training on bog ecology. Undergraduate and faculty/graduate student groups from Purdue, Ball State, Morten Arboretum, Michigan State, Indiana, Notre Dame, and Wisconsin

Graduate committees

- M.S. University of Michigan (Shari Davis, Heather Morgan)
Eastern Michigan University (Kurt Kowalski)
SUNY—the College at Brockport (Nate Grosse, Ariel Kirk, Jordan Brown, John Bateman, Joshua Cronland, Elaine Enfonde, David Sanderson-Kilchenstein)
- Ph.D. University of Wyoming (Robert Booth)
University of Illinois—Chicago (Erin Argyilan)
University of Michigan (Kurt Kowalski, Martha Carlson)

M.S. thesis advisor

SUNY—The College at Brockport (Kathleen Buckler, Alex Czayka, Alexander Healy, Justin Zulauf, Aaron Heminway, Andrea Graham)

Non-thesis M.S. advisor

Indiana University (M. Flora, S. Pavlovic, D. Dolak, T. Getz)
University of Michigan (S. Bedross, R. Damberg, N. Fishbein, R. Haberman, S. Jones, A. Onushco, E. Roth, S. Zoars)

- Faculty advisor for 3 B.S. student internships, Indiana University
- Faculty advisor for 3 students on wetland-related projects as independent study courses, University of Michigan
- Mentor for 2 undergraduate students, University of Michigan
- Supervisor for 26 work-study students, University of Michigan, School of Natural Resources and Environment, providing concurrent training in wetland ecology
- Co-developer and signatory member of Partners for Cultural Diversity, a cooperative arrangement between USFWS, USGS, University of Michigan, and 2 high schools to promote environmental careers for minority students.
- Project Officer for 3 USFWS Research Work Orders involving collaborative research with personnel from the University of Wisconsin and Ohio State University.
- Project Officer for 10 USGS Cooperative Agreements involving collaborative research with personnel from Northern Arizona University, University of Wisconsin-Green Bay, University of Wyoming, University of Illinois-Chicago, Northland College, Indiana University, University of Wisconsin, James Madison University, Lehigh University, and North Dakota State University.

HONORS AND AWARDS

- 2009, 2010. SUNY-The College at Brockport. Discretionary Salary Increase
- 2007. Society of Wetland Scientists, Presidential Service Award for 20 years service as Editor-in-Chief of Wetlands
- 2003. Fellow, Society of Wetland Scientists (one of three initial inductees)
- 2001. Duke University Distinguished Wetland Scientist
- 1996. Society of Wetland Scientists, Certificate of Recognition/Career Gratis Membership, for service as journal editor
- 1995-2011. Society of Wetland Scientists Certification Program, Inc., Professional Wetland Scientist certification
- 2004, 2006. U.S. Geological Survey, Star Award, publication productivity
- 1996. U.S. Geological Survey, Special Act Service Award, fire prevention action at Center
- 1994, 1995. National Biological Service, Performance Award, outstanding performance
- 1989, 1990, 1991, 1992, 1993. U.S. Fish and Wildlife Service, PMRS Merit Award, outstanding performance
- 1984, 1986, 1987. National Park Service Special Achievement Award, outstanding performance
- 1982, 1983. National Park Service Quality Increase Award, outstanding performance
- 1971-1973. Research/Teaching Fellowship, SUNY ESF, academic achievement
- 1967-1971. NYS Regents Scholarship, academic achievement
- 1967. Salutatorian, Falconer Central High School, academic achievement

PUBLISHED WORKS

Refereed journal articles/book chapters

- Wilcox, D.A.** 2012. Great Lakes coastal marshes. In D.P. Batzer and A.D. Baldwin (eds.) Wetland Habitats of North America: Ecology and Conservation Concerns. University of California Press, Berkeley, CA. (in press). **(INVITED)**

- Thompson, T. A., K. Lepper, A.L. Andres, J. W. Johnston, S.J. Baedke, E. P. Argyilan, R.K. Booth, and **D.A. Wilcox**. 2011. Mid-Holocene lake level and shoreline behavior during the Nipissing phase of the upper Great Lakes at Alpena, Michigan, USA. *Journal of Great Lakes Research* 37:567-576.
- Carlson, M.L., K.P. Kowalski, and **D.A. Wilcox**. 2009. Promoting species establishment in a *Phragmites*-dominated Great Lakes coastal wetland. *Natural Areas Journal* 29:263-280.
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2009. Stimulating a Great Lakes coastal wetland seed bank using portable cofferdams: implications for habitat rehabilitation. *Journal of Great Lakes Research* 35:206-214.
- Euliss, N.H., Jr., L.M. Smith, **D.A. Wilcox**, and B.A. Browne. 2008. Linking ecological processes with wetland management goals for conservation: charting a course for sustainable development. *Wetlands* 28:553-562.
- Smith, L.M., N.H. Euliss, Jr., **D.A. Wilcox**, and M. M. Brinson. 2008. Application of a geomorphic and temporal perspective to wetland management. *Wetlands* 28:563-577.
- Wilcox, D.A.** 2008. Education and training of wetland scientists and managers. *Wetlands* 28:578-584.
- Wilcox, D.A.**, K.P. Kowalski, H. Hoare, M.L. Carlson, and H. Morgan. 2008. Cattail invasion of sedge/grass meadows and regulation of Lake Ontario water levels: photointerpretation analysis of sixteen wetlands over five decades. *Journal of Great Lakes Research* 34:301-323.
- Wilcox, D.A.** and S.J. Nichols. 2008. The effect of water-level fluctuations on plant zonation in a Saginaw Bay, Lake Huron wetland. *Wetlands* 28:487-501.
- Wilcox, D.A.** and Y. Xie. 2008. Predicted effects of proposed new regulation plans on sedge/grass meadows of Lake Ontario. *Journal of Great Lakes Research* 34:745-754.
- Wilcox, D.A.** and Y. Xie. 2007. Predicting wetland plant responses to proposed water-level-regulation plans for Lake Ontario: GIS-based modeling. *Journal of Great Lakes Research* 33:751-773.
- Johnston, J.W., T.A. Thompson, **D.A. Wilcox**, and S.J. Baedke. 2007. Comparison of geomorphic and sedimentologic evidence for the separation of Lake Superior from Lake Michigan and Huron. *Journal of Paleolimnology* 37:349-364.
- Wilcox, D.A.**, T.A. Thompson, R.K. Booth, and J.R. Nicholas. 2007. Lake-level variability and water availability in the Great Lakes. U.S. Geological Survey Circular 1311.
- Hudon, C., **D.A. Wilcox**, and J.W. Ingram. 2006. Modeling wetland plant community response to assess water-level regulation scenarios in the Lake Ontario-St. Lawrence River basin. *Environmental Monitoring and Assessment* 113:303-328.
- Sanford, W.E., J.S. Caine, **D.A. Wilcox**, H.C. McWreath, and J.R. Nicholas. 2006. Research opportunities in interdisciplinary ground-water science. U.S. Geological Survey Circular 1293. **(INVITED)**
- Albert, D.A., **D.A. Wilcox**, J.W. Ingram, and T.A. Thompson. 2005. Hydrogeomorphic classification for Great Lakes coastal wetlands. *Journal of Great Lakes Research* 31 (Supplement 1):129-146.
- Argyilan, E.P., S.L. Forman, J.W. Johnston, and **D.A. Wilcox**. 2005. Optically stimulated luminescence dating of late Holocene raised strandplain sequences

- adjacent to southern Lake Superior, Upper Peninsula, Michigan, USA. *Quaternary Research* 63:122-135.
- Booth, R.K., S.C. Hotchkiss, and **D.A. Wilcox**. 2005. Discoloration of polyvinyl chloride (PVC) tape as a proxy for water-table depth in peatlands: validation and assessment of seasonal variability. *Functional Ecology* 19:1040-1047.
- Burkett, V.R., **D.A. Wilcox**, R. Stottlemeyer, W. Barrow, D.B. Fagre, J. Baron, J. Price, J.L. Nielson, C. Allen, D.L. Peterson, G. Ruggione, and T. Doyle. 2005. Nonlinear dynamics in ecosystem response to climatic change: case studies and management implications. *Ecological Complexity* 2:357-394.
- Wilcox, D.A.** 2005. Lake Michigan wetlands: classification, concerns, and management opportunities. P. 421-437. *In* T. Edsall, M. Munawar (eds.) *The State of Lake Michigan: Ecology, Health, and Management*. Ecovision World Monograph Series, S.P.B. Academic Publishing, The Netherlands. **(INVITED)**
- Wilcox, D.A.**, M.J. Sweat, M.L. Carlson, and K.P. Kowalski. 2005. A water-budget approach to restoring a sedge fen affected by diking and ditching. *Journal of Hydrology* 320:501-517.
- Baedke, S.J., T.A. Thompson, J.W. Johnston, and **D.A. Wilcox**. 2004. Reconstructing paleo lake levels from relict shorelines along the upper Great Lakes. *Aquatic Ecosystem Health and Management* 7:435-449. **(INVITED)**
- Johnston, J.W., S.J. Baedke, R.K. Booth, T.A. Thompson, and **D.A. Wilcox**. 2004. Late Holocene lake-level variation in southeastern Lake Superior: Tahquamenon Bay, Michigan. *Journal of Great Lakes Research* 30(Supplement 1):1-19. **(INVITED)**
- Wilcox, D.A.** 2004. Implications of hydrologic variability on the succession of plants in Great Lakes wetlands. *Aquatic Ecosystem Health and Management* 7:223-232. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox**. 2003. Differences in sedge fen vegetation upstream and downstream from a managed impoundment. *American Midland Naturalist* 150:199-220.
- Environment Canada (**D.A. Wilcox**, N. Patterson, T.A. Thompson, D. Albert, R. Weeber, J. McCracken, T. Whillans, and J. Gannon, contributors). 2002. *Where Land Meets Water: Understanding Wetlands of the Great Lakes*. Environment Canada, Toronto, Ontario, Canada. 72pp.
- Wilcox, D.A.**, J.E. Meeker, P.L. Hudson, B.J. Armitage, M.G. Black, and D.G. Uzarski. 2002. Hydrologic variability and the application of index of biotic integrity metrics to wetlands: a Great Lakes evaluation. *Wetlands* 22:588-615.
- Armitage, B.J., P.L. Hudson, and **D.A. Wilcox**. 2000. Caddisflies (Insecta: Trichoptera) of fringing wetlands of the Laurentian Great Lakes. *Verhandlungen-Internationale Vereinigung für Theoretische und Angewandte Limnologie* 27:1-5. **(INVITED)**
- French, J.R.P., **D.A. Wilcox**, and S.J. Nichols. 1999. Passing of northern pike and common carp through experimental barriers designed for use in wetland restoration. *Wetlands* 19:883-888.
- Keough, J.R., T.A. Thompson, G.R. Guntenspergen, and **D.A. Wilcox**. 1999. Hydrogeomorphic factors and ecosystem responses in coastal wetlands of the Great Lakes. *Wetlands* 19:821-834. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox**. 1999. Use of historical and geospatial data to guide the restoration of a Lake Erie coastal marsh. *Wetlands* 19:858-868.

- Wilcox, D.A.** and T.H. Whillans. 1999. Techniques for restoration of disturbed coastal wetlands of the Great Lakes. *Wetlands* 19:835-857. **(INVITED)**
- Wilcox, D.A.** 1998. Great Lakes marshes. P. 35-37. *In* S. Sanzone and A. McElroy (eds.) *Ecological Impacts and Evaluation Criteria for the Use of Structures in Marsh Management*. U.S. Environmental Protection Agency, Science Advisory Board, Washington, DC, USA. EPA-SAB-EPEC-98-003. **(INVITED)**
- Maynard, L. and **D.A. Wilcox**. 1997. Coastal Wetlands. State of the Lakes Ecosystem Conference Proceedings. Environment Canada and U.S. Environmental Protection Agency. **(INVITED)**
- Nichols, S.J. and **D.A. Wilcox**. 1997. Burrowing saves Lake Erie clams. *Nature* 389:921.
- Wilcox, D.A.** 1997. Wetlands. Encarta 97 — 2005 (CD-ROM encyclopedia). Microsoft Corporation, Redmond, WA. **(INVITED)**
- Singer, D.K., S.T. Jackson, B.J. Madsen, and **D.A. Wilcox**. 1996. Differentiating climatic and successional influences on long-term development of a marsh. *Ecology* 77:1765-1778.
- Wilcox, D.A.** 1995. Wetland and aquatic macrophytes as indicators of anthropogenic hydrologic disturbance. *Natural Areas Journal* 15:240-248. **(INVITED)**
- Wilcox, D.A.** 1995. The role of wetlands as nearshore habitat in Lake Huron. P. 223-245. *In* M. Munawar, T. Edsall, and J. Leach (eds). *The Lake Huron Ecosystem: Ecology, Fisheries and Management*. Ecovision World Monograph Series, S.P.B. Academic Publishing, The Netherlands. **(INVITED)**
- Shedlock, R.J., **D.A. Wilcox**, T.A. Thompson, and D.A. Cohen. 1993. Interactions between ground water and wetlands, southern shore of Lake Michigan, USA. *Journal of Hydrology* 141:127-155.
- Wilcox, D.A.** and J.E. Meeker. 1992. Implications for faunal habitat related to altered macrophyte structure in regulated lakes in northern Minnesota. *Wetlands* 12:192-203.
- Wilcox, D.A.** and J.E. Meeker. 1991. Disturbance effects on aquatic vegetation in regulated and non-regulated lakes in northern Minnesota. *Canadian Journal of Botany* 69:1542-1551.
- Wilcox, D.A.** 1989. Migration and control of purple loosestrife (*Lythrum salicaria*) along highway corridors. *Environmental Management* 13:360-370.
- Jackson, S.T., R.P. Futyma, and **D.A. Wilcox**. 1988. A paleoecological test of a classical hydrosere in the Lake Michigan dunes. *Ecology* 69:928-936.
- Wilcox, D.A.** (ed.). 1988. *Interdisciplinary Approaches to Freshwater Wetland Research*. Michigan State University Press. East Lansing, MI. 163 pp.
- Wilcox, D.A.** 1988. The necessity of interdisciplinary research in wetland ecology: the Cowles Bog example. P. 1-9. *In* Wilcox, D.A. (ed.) *Interdisciplinary Approaches to Freshwater Wetland Research*. Michigan State University Press, East Lansing, MI.
- Wilcox, D.A.** and M.A. Hardy. 1988. Effects of coal fly-ash disposal on water chemistry in an intradunal wetland at Indiana Dunes. P. 57-67. *In* Wilcox, D.A. (ed.) *Interdisciplinary Approaches to Freshwater Wetland Research*. Michigan State University Press, East Lansing, MI.
- Wilcox, D.A.**, M.K. Seeling, and K.R. Edwards. 1988. Ecology and management potential for purple loosestrife (*Lythrum salicaria*). P. 120-129. *In* Thomas, L.K.

- (ed.) Management of Exotic Species in Natural Communities. George Wright Society, Hancock, MI. **(INVITED)**
- Wilcox, D.A.** and H.A. Simonin. 1988. The stratigraphy and development of a floating peatland, Pinhook Bog, Indiana. *Wetlands* 8:75-91.
- Wilcox, D.A.** 1987. A model for assessing interdisciplinary approaches to wetland research. *Wetlands* 7:39-50.
- Wilcox, D.A.** and R.E. Andrus. 1987. The role of *Sphagnum fimbriatum* in secondary succession in a road-salt impacted bog. *Canadian Journal of Botany* 65:2270-2275.
- Wilcox, D.A.**, R.D. Hiebert, and J. Wood. (eds.). 1987. Proceedings of the First Indiana Dunes Research Conference: Symposium on Shoreline Processes. U.S. Dept. of the Interior, National Park Service, Science Publications Office, Atlanta, GA. 52 pp.
- Wilcox, D.A.** and H.A. Simonin. 1987. A chronosequence of aquatic macrophyte communities in dune ponds. *Aquatic Botany* 28:227-242.
- Hiebert, R.D., **D.A. Wilcox**, and N.B. Pavlovic. 1986. Vegetation patterns in and among pannes (calcareous intradunal ponds) at the Indiana Dunes National Lakeshore. *American Midland Naturalist* 116:276-281.
- Wilcox, D.A.** 1986. The effects of deicing salts on water chemistry in Pinhook Bog, Indiana. *Water Resources Bulletin* 22:57-65.
- Wilcox, D.A.** 1986. The effects of deicing salts on vegetation in Pinhook Bog, Indiana. *Canadian Journal of Botany* 64:865-874.
- Wilcox, D.A.**, R.J. Shedlock, and W.H. Hendrickson. 1986. Hydrology, water chemistry, and ecological relations in the raised mound of Cowles Bog. *Journal of Ecology* 74:1103-1117.
- Andrus, R.E. and **D.A. Wilcox**. 1985. New records for *Sphagnum* in Indiana. *Michigan Botanist* 24:147-152.
- Wilcox, D.A.**, N.B. Pavlovic, and M.L. Mueggler. 1985. Selected ecological characteristics of *Scirpus cyperinus* and its role as an invader of disturbed wetlands. *Wetlands* 5:87-98.
- Wilcox, D.A.** 1984. The effects of NaCl deicing salts on *Sphagnum recurvum* P. Beauv. *Environmental and Experimental Botany* 24:295-304.
- Wilcox, D.A.**, S.I. Apfelbaum, and R.D. Hiebert. 1984. Cattail invasion of sedge meadows following hydrologic disturbance in the Cowles Bog Wetland Complex, Indiana Dunes National Lakeshore. *Wetlands* 4:115-128.
- Effler, S.W., S.D. Field, and **D.A. Wilcox**. 1981. The carbonate chemistry of Green Lake, Jamesville, N.Y. *Journal of Freshwater Ecology* 1:141-153.
- Effler, S.W., **D.A. Wilcox**, and S.D. Field. 1981. Meromixis and stability at Green Lake, Jamesville, N.Y. Sept. 1977-Nov. 1978. *Journal of Freshwater Ecology* 1:129-139.
- Wilcox, D.A.** and S.W. Effler. 1981. Formation of alewife concretions in polluted Onondaga Lake. *Environmental Pollution Series B* 2:203-215.

Short refereed articles

- Wilcox, D. A.** 2011. Reservoir management and wetlands. *National Wetlands Newsletter* 33(5):9-10. **(INVITED)**
- Wilcox, D.A.** 2011. Cattails as far as the eye can see. *Wetland Science and Practice*

- 28(2):25-28. **(INVITED)**
- Wilcox, D. A.** 2011. Hydrologic connectivity and wetlands. National Wetlands Newsletter 33(2):6-7. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox.** 2010. Re-creating coastal processes to restore degraded coastal wetland habitat: a case study at Metzger Marsh. p. 518-521. *In* J.H. Hartig, M.A. Zarull, L.D. Corkum, N. Green, R. Ellison, A. Cook, G. Norwood, and E. Green (eds.). State of the Strait: Ecological Benefits of Habitat Modification. Great Lakes Institute for Environmental Research, Windsor, ON, Canada. Occasional Publication No. 6.
- Euliss, N.H., Jr., L.M. Smith, **D.A. Wilcox,** and B.A. Brown. 2009. Linking ecosystem processes to sustainable wetland management. National Wetlands Newsletter 31(1):1, 3-5, 22.
- Smith, L.M., N.H. Euliss, Jr., **D.A. Wilcox,** and M.M. Brinson. 2009. Sustainable wetland management and support of ecosystem services. National Wetlands Newsletter 31(2):4-7, 21.
- Nichols, S.J. and **D.A. Wilcox.** 2004. Native clams find refuge from zebra mussels in Metzger Marsh, a lake-connected wetland in western Lake Erie. Ecological Restoration 22:51-52.
- Hunt, R.J. and **D.A. Wilcox.** 2003. Ecohydrology — why hydrologists should care. Groundwater 41:289. **(INVITED)**
- Wilcox, D.A.** 2003. Wetlands and water-level regulation in Lake Ontario and the upper St. Lawrence River. Clearwaters 33(3):16-17. **(INVITED)**
- Wilcox, D.A.** 2003. A coordinated approach to investigate the relationships between Lake Ontario water levels and wetlands. Ripple Effects 3: 6-7. **(INVITED)**
- Wilcox, D.A.** and E. Krygier, Jr. 2002. Private beach or emerging wetland? The controversy over grooming beaches exposed by low water. Great Lakes Advisor Sept./Oct.:8-9. **(INVITED)**
- Wilcox, D.A.** and J.E. Meeker. 1995. Wetlands in regulated Great Lakes. p. 247-249. *In* E.T. LaRoe, G.S. Farris, C.E. Puckett, P.D. Doran, and M.J. Mac. (eds.) Our Living Resources: a Report to the Nation on the Distribution, Abundance, and Health of U.S. Plants, Animals, and Ecosystems. U.S. DOI, National Biological Service, Washington, DC.
- Wilcox, D.A.** 1993. Effects of water-level regulation on wetlands of the Great Lakes. Great Lakes Wetlands 4(1):1-2. **(INVITED)**
- Wilcox, D.A.** 1990. Water-level fluctuations and Great Lakes wetlands. Great Lakes Wetlands 1(2):1-3. **(INVITED)**
- Wilcox, D.A.** and G. Ray 1989. Using living mat transplants to restore a salt-impacted bog (Indiana). Restoration and Management Notes 7(1):39.
- Wilcox, D.A.** and R.W. Buchholz. 1986. Vegetation restoration in a road-salt impacted bog. Restoration and Management Notes 4(1):28.
- Wilcox, D.A.** and M.K. Seeling. 1986. Cattails as a competitive control for purple loosestrife (Indiana). Restoration and Management Notes 4(2):85.
- Wilcox, D.A.** 1985. An in-house literature search system. Park Science 5(4):7.
- Wilcox, D.A.** 1982. Aquatic studies at Indiana Dunes. Park Science 2:5-6.

Symposia and Proceedings

- Kowalski, K. P. and **D.A. Wilcox**. 2001. Application of aerial photographs, GIS, and GPS during the restoration of a former barrier-beach wetland in Lake Erie. *In* Proceedings of the 2nd Biennial Coastal GeoTools Conference, Charleston, SC. NOAA/CSC/20114-CD. CD-ROM. Charleston, SC: NOAA Coastal Services Center.
- Kowalski, K.P. and **D.A. Wilcox**. 2000. Use of photo interpretation and GIS to develop a new approach to restoration and management of a Lake Erie coastal wetland. P. 26. *In* L. R. Handley, F. J. D'Erchia, and T. M. Charron (eds). Applications of Geospatial Technology to Biological Sciences. U.S. Geological Survey, Biological Resources Division, Information and Technology Report USGS/BRD/ITR 2000-0008.
- Wilcox, D.A.** 1993. Effects of global climate change on wetlands of Lake Michigan. P. 42. *In* L. Mortsch, G. Koshida, and D. Tavares. (eds.) Adapting to the Impacts of Climate Change and Variability. Environment Canada, Burlington, ON, Canada.
- Wilcox, D.A.** and H.A. Simonin. 1987. Aquatic macrophyte community differences in dune ponds — hydrarch succession or disturbance? P. 18-33. *In* K.L. Cole, R.D. Hiebert, and J.D. Wood (eds.) Proceedings of the First Indiana Dunes Research Conference: Symposium on Plant Succession. U.S. Dept. of the Interior, National Park Service, Science Publications Office, Atlanta, GA.
- (INVITED)**
- Hendrickson, W.H. and **D.A. Wilcox**. 1979. Relationship between some physical properties and the vegetation found in Cowles Bog National Natural Landmark, Indiana. Proc. Second Conference on Scientific Research in the National Parks 5:642-666.
- Wilcox, D.A.** 1979. Salt intrusion at Pinhook Bog, Indiana Dunes National Lakeshore. Proc. Second Conference on Scientific Research in the National Parks 5:618-641.

Edited volumes

- Wilcox, D.A.** (ed.). 2006. Wetlands Vol. 26, No. 1, 2, 3, 4. Society of Wetland Scientists, McLean, VA.
- Wilcox, D.A.** (ed.). 2005. Wetlands Vol. 25, No. 1, 2, 3, 4. Society of Wetland Scientists, McLean, VA.
- Wilcox, D.A.** (ed.). 2004. Wetlands Vol. 24, No. 1, 2, 3, 4. Society of Wetland Scientists, McLean, VA.
- Wilcox, D.A.** (ed.). 2003. Wetlands Vol. 23, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 2002. Wetlands Vol. 22, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 2001. Wetlands Vol. 21, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 2000. Wetlands Vol. 20, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1999. Wetlands Vol. 19, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1998. Wetlands Vol. 18, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.

- Wilcox, D.A.** (ed.). 1997. Wetlands Vol. 17, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1996. Wetlands Vol. 16, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1995. Wetlands Vol. 15, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1994. Wetlands Vol. 14, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1993. Wetlands Vol. 13, No. 1, 2, 3, 4. Society of Wetland Scientists, Lawrence, KS.
- Wilcox, D.A.** (ed.). 1992. Wetlands Vol. 12, No. 1, 2, 3. Society of Wetland Scientists, Wilmington, NC.
- Wilcox, D.A.** (ed.). 1991. Wetlands Vol. 11, No. 1, 2, 3. Society of Wetland Scientists, Wilmington, NC.
- Wilcox, D.A.** (ed.). 1990. Wetlands Vol. 10, No. 1, 2. Society of Wetland Scientists, Wilmington, NC.
- Wilcox, D.A.** (ed.). 1989. Wetlands Vol. 9, No. 1, 2, 3. Society of Wetland Scientists, Wilmington, NC.
- Wilcox, D.A.** (ed.). 1988. Wetlands Vol. 8, No. 1, 2. Society of Wetland Scientists, Wilmington, NC.

Major research project completion reports

- DePinto, J., T. Redder, **D.A. Wilcox**, et al. 2011. The ecological evaluation of Lake Superior regulation plans for the International Upper Great Lakes Levels Study. International Joint Commission, Washington, DC and Ottawa, ON, Canada.
- Pavlovic, N.B., S.A. Leicht-Young, **D.A. Wilcox**, R.D. Hiebert, D. Mason, and K. Frohnapple. 2009. Twenty-three years of vegetation change in a fly-ash leachate impacted meadow. National Park Service, Ashland, WI. Great Lakes Network Report GLKN/2009/05.
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2006. Final report: Coastal wetland habitat restoration and exploration. Report to U.S. Environmental Protection Agency, Great Lakes National Program Office.
- Wilcox, D.A.**, J.W. Ingram, K.P. Kowalski, J.E. Meeker, M.L. Carlson, Y. Xie, G.P. Grabas, K.L. Holmes, and N.J. Patterson. 2005. Evaluation of water-level regulation influences on Lake Ontario and Upper St. Lawrence River coastal wetland plant communities. Report to the International Joint Commission.
- Charles, C. et al. 2004. Wetland Ecology 5-Yr Science Plan. Terrestrial, Freshwater, and Marine Ecosystems Program, USGS Biological Resources Discipline, Reston, VA.
- Wilcox, D.A.**, K.P. Kowalski, and M.L. Carlson. 2004. Relationships between Lake Ontario water levels and wetlands. Year 3 report to International Joint Commission.
- Kowalski, K.P. and D.A. Wilcox.** 2003. Alternative management strategies for diked marshes. Report to U.S. Fish and Wildlife Service, Ottawa National Wildlife Refuge, Oak Harbor, OH.

- Nichols, S.J. and **D.A. Wilcox**. 2003. Reestablishing the freshwater unionid population of Metzger Marsh, Lake Erie. Report to U.S. Environmental Protection Agency-Great Lakes National Program Office, Chicago, IL, USA. IAG No. 14947830-01.
- Wilcox, D.A.**, K.P. Kowalski, H. Roten, and M.L. Carlson. 2003. Relationships between Lake Ontario water levels and wetlands. Year 2 report to International Joint Commission.
- Kowalski, K.P. and **D.A. Wilcox**. 2002. Alternative management strategies for diked marshes: summary results from 1994-2001 studies of Metzger Marsh plant communities. Report to U.S. Fish and Wildlife Service and Ohio Division of Wildlife.
- Wilcox, D.A.**, K.P. Kowalski, and H. Roten. 2002. Relationships between Lake Ontario water levels and wetlands. Year 1 report to International Joint Commission.
- Wilcox, D.A.**, J.E. Meeker, P.L. Hudson, B.J. Armitage, M.G. Black, and D.G. Uzarski. 1999. Development of evaluation criteria to assess and protect the biological integrity of Great Lakes wetlands. Project Completion Report to U.S. EPA on IAG DW14936071-01-0.
- Wilcox, D.A.** and J.R.P. French. 1996. Lake St. Clair *Elodea* seasonal growth study. Report to U.S. Army Corps of Engineers and Michigan Department of Natural Resources.
- Wilcox, D.A.**, J.E. Meeker, and J. Elias. 1993. Appendix: Impacts of water-level regulation on wetlands of the Great Lakes—additional scenarios. Phase 2 Report to Working Committee 2, IJC Water-Level Reference Study.
- Wilcox, D.A.**, J.E. Meeker, and J. Elias. 1992. Impacts of water-level regulation on wetlands of the Great Lakes. Phase 2 Report to Working Committee 2, IJC Water-Level Reference Study.
- Wilcox, D.A.**, L. MacLean, T.A. Thompson, D. Johnson, B.J. Madsen, and T. Bookhout. 1991. Protecting Lake Erie's Western Basin: an Agenda for the 1990s. A report commissioned by The Honorable Marcy Kaptur, U.S. Representative , Ohio's Ninth District.
- Wilcox, D.A.**, L. MacLean, T.A. Thompson, D. Johnson, B.J. Madsen, and T. Bookhout. 1991. Appendix: Protecting Lake Erie's Western Basin: an Agenda for the 1990s. A report commissioned by The Honorable Marcy Kaptur, U.S. Representative , Ohio's Ninth District.
- Meeker, J.E. and **D.A. Wilcox**. 1989. A comparison of aquatic macrophyte communities in regulated and non-regulated lakes, Voyageurs National Park and Boundary Waters Canoe Area, Minnesota. NPS Research/Resources Management Report MWR-16.
- Wilcox, D.A.** 1989. Responses of selected Great Lakes wetlands to water-level fluctuations. Phase 1 Report to Working Committee 2, IJC Water-level Reference Study.

Reviews

- Wilcox, D.A.** 2008. *Wetlands* number four. Book review of W.J. Mitsch and J.G. Gosselink. 2007. *Wetlands*, fourth edition. *Wetlands* 28:251-252.
- Wilcox, D.A.** 2005. Native plants for gardening and conservation. Book review of D.J. Leopold. 2005. *Native Plants of the Northeast: a Guide for Gardening and Conservation*. *Wetlands* 25:502-503.

Wilcox, D.A. 2004. From the Bog: a compilation of favorites. SWS Bulletin 21(2):23-27.

COMPETITIVE GRANTS (funded as Principal or Co-Principal Investigator)

2010. Restoring Lake Ontario sedge/grass wetland from ag land. Great Lakes Restoration Initiative through National Fish and Wildlife Foundation-Sustain Our Great Lakes Community Grants Program. Total Award: \$33,546

2010. Investigating the effects of changes in lake level on coastal ecosystems. International Joint Commission through U.S. Army Corps of Engineers. Total Award: \$300,004; \$30,000 allocated to Brockport

2010. Implementing Great Lakes coastal wetland monitoring. Great Lakes Restoration Initiative through USEPA Great Lakes National Program Office. Total Award: \$10,000,000; \$1,253,660 allocated to Brockport

2010. Developing new strategies for restoring coastal wetland functions. Great Lakes Restoration Initiative through U.S. Geological Survey. Total Award: \$920,000; \$16,444 allocated to Brockport

2010. Innovative Phragmites control strategies. Great Lakes Restoration Initiative through U.S. Geological Survey. Total Award: \$285,000; \$12,866 allocated to Brockport

2005. Past lake levels and water availability in the Great Lakes. U.S. Geological Survey Water Availability Program. Total Award: \$40,000

2004-2008. Spatial and temporal effects of climate change on Great Lakes wetlands. U.S. Geological Survey Global Climate Change Program. Total Award: \$620,000

1999-2003. Effects of global climate change on wetlands of the Great Lakes. U.S. Geological Survey Global Climate Change Program. Total Award: \$890,000

1991-1993. Effects of global climate change on Great Lakes wetlands. U.S. Fish and Wildlife Service Global Climate Change Program. Total Award: \$516,000

2001-2005. Relationships between Lake Ontario water levels and wetlands. International Joint Commission Lake Ontario-St. Lawrence River Reference Study. Total Award: \$494,840

2002. Wetland indicator and methods evaluation at Arcadia Lake, a protected embayment of Lake Michigan. Great Lakes Commission. Total Award: \$14,400

1993-2001. Alternative approaches to management of diked wetlands for fish, waterfowl, and other faunal habitat. Total Award: \$429,000
(1990-1991) Congresswoman Marcy Kaptur add to budget: \$135,000
(1993) USFWS Challenge Grant Program: \$21,000

(1994-1995) National Fish and Wildlife Foundation: \$53,000
(1995) National Biological Service Redirection Program: \$60,000
(1996) National Biological Service State Partnership Program: \$60,000
(1997-2001) USEPA–Great Lakes National Program Office: \$100,000

2000. Marsh Creek Wetland Restoration. U.S.F.W.S. Total Award: \$60,000

1993-1997. Evaluation criteria to assess biological integrity of Great Lakes wetlands.
Total Award: \$687,000

(1993-1996) USEPA-Duluth: \$627,000

(1997) National Biological Service State Partnership Program: \$60,000

1988-1993. Effects of water-level fluctuations on Great Lakes wetlands. International
Joint Commission Great Lakes Water-Levels Reference Study. Total Award: \$267,000

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Membership in professional societies

Society of Wetland Scientists
North Atlantic Chapter, Society of Wetland Scientists
American Association for the Advancement of Science
Geological Society of America
International Association for Great Lakes Research
Society for Ecological Restoration International
Sigma Xi
Union of Concerned Scientists

Offices in professional societies

Society of Wetland Scientists — International Board of Directors, 1985-2006
Society of Wetland Scientists — Editor-in-Chief of journal Wetlands, 1987-2006
Society of Wetland Scientists — Associate Editor of journal Wetlands, 1984-86
Society of Wetland Scientists — Vice President of North-Central chapter, 1983-85
Society of Wetland Scientists — President of North-Central chapter, 1985-87

Committee memberships

Society of Wetland Scientists — Fellows Committee (Chair), 2006-present
Society of Wetland Scientists — Education Committee, 2007-2009
Society of Wetland Scientists — Publications Committee, 2002-2007
Society of Wetland Scientists — International Committee, 1997-2006
Society of Wetland Scientists — Wetland Concerns Committee, 1994-2007
Society of Wetland Scientists — Membership Committee, 1992-2007
Society of Wetland Scientists — Program Committee for 1995 annual meeting
Society of Wetland Scientists — Program Committee for 1992 annual meeting
Society of Wetland Scientists — Program Committee (Chair) for 1991 annual meeting
Society of Wetland Scientists — Program Committee for 1990 annual meeting

Society of Wetland Scientists — Committee to organize North-Central chapter, 1982
 International Association for Great Lakes Research – Program Committee for 2005
 annual meeting
 BioOne Publishers Advisory Committee, 2002-2006
 State of the Lakes Ecosystem Conference Committee, 1996
 Ecological Society of America — Review Committee for 1986 ESA/INTECOL meeting
 George Wright Society — Program Committee for 1986 NPS research conference
 International Joint Commission Lake Ontario-St. Lawrence River Reference Study,
 Environmental Technical Working Group, 2000-2005
 International Joint Commission Plan of Study writing team for the Lake Ontario-St.
 Lawrence River Reference Study, 1999
 International Joint Commission review panel for Plan of Study for Review of the
 Regulation of Outflows from Lake Superior, 2001
 International Joint Commission Water Levels Reference Study Phase 2, US/Canadian
 panel conducting four-city series of public forums to present Reference Study
 findings, 1993
 International Joint Commission Water Levels Reference Study Phase 2, Natural
 Resources Task Group of Working Committee 2 (Land Use and Management),
 1990-1993
 International Joint Commission Water Levels Reference Study Phase 1, Functional
 Group 2 (Coastal Zone Ecology, Resources, Uses, and Management), 1988-
 1989
 USGS–Great Lakes Science Center, Policy Management Council, 1997-present
 USGS Future Science Directions–Ground-Water Resources Initiative Team, 2001-2005
 USGS Future Science Directions–Wetland Research Initiative Team, 2003-2004
 USGS Future Science Directions–Global Climate Change Initiative Team, 2001
 Great Lakes Regional Collaboration–Wetland Subcommittee, Economics Subcommittee,
 2006-2007
 Great Lakes Commission, Experts Panel–Ecological Impacts of Water Withdrawals from
 the Great Lakes, 2001
 Great Lakes Commission, Great Lakes Wetland Monitoring Program, Project
 Management Team, chair of Flora and Fauna Indicators Committee, 2000-2007
 U.S. Army Corps of Engineers–Detroit, Lake Michigan Potential Damages Study Team
 1999-2003
 USEPA Science Advisory Board Subcommittee on Structural Marsh Management,
 1995-1996
 Metzger Marsh Research Management Committee, 1994-present
 USFWS Wetland Research Priorities Panel, 1989

Promotion reviews

Cornell University (tenure)
 Cornell University (promotion to Senior Research Associate)
 Oklahoma State University (tenure)
 Kent State University (tenure)
 University of Alberta (tenure)
 University of Alberta (promotion to full professor)
 Duke University (promotion to full professor)

University of Florida (promotion to full professor)
University of Minnesota (promotion to full professor)
University of Minnesota (promotion to endowed chair)
University of New Hampshire (promotion to full professor)
University of North Dakota (promotion to full professor)
North Dakota State University (promotion to full professor)
Southern Illinois University (tenure)
Southern Illinois University (promotion to full professor)
James Madison University (promotion to full professor)
Wright State University (promotion to full professor)
Brigham Young University (promotion to full professor)
Southeastern Louisiana University (endowed chair selection)
Texas Tech University (endowed chair selection)
U.S. Environmental Protection Agency (promotion to GS-15)
U.S. Geological Survey, Biological Resources Discipline (Level 2 Research Grade
Evaluation Panel, which reviews all recommended promotions to GS-14 or 15)

Grant reviews

National Science Foundation
U.S. Environmental Protection Agency
U.S. Department of Agriculture
U.S. Fish and Wildlife Service
U.S. Geological Survey
National Oceanic and Atmospheric Administration
National Aeronautics and Space Administration
Canadian Natural Science and Engineering Research Council
Michigan Sea Grant
Ohio Sea Grant
The Nature Conservancy
Lake Erie Protection Fund
Louisiana Board of Regents Support Fund
Alberta Conservation Association Grants in Biodiversity
Northern Prairie Wildlife Research Center
Lake Champlain Sea Grant

Manuscript referee

Wetlands
Journal of Ecology
Ecology
Canadian Journal of Botany
Biogeochemistry
Journal of Hydrology
Vegetatio
Freshwater Biology
Journal of Great Lakes Research
Ecological Engineering

Natural Areas Journal
Hydrobiologia
Ecological Restoration
Environmental Management
Biodiversity and Conservation
Environmental and Experimental Botany
Wetland Ecology and Management
Journal of Environmental Quality
Aquatic Ecosystem Health and Management
Journal of Environmental Policy
Ecological Indicators
Journal of Coastal Research
Journal of Freshwater Ecology
The Lake Huron Ecosystem: Ecology, Fisheries, and Management
The State of Lake Michigan: Ecology, Health, and Management
Prairie Wetlands
Standard Methods for the Examination of Water and Wastewater
Journal of the North American Benthological Society
The Open Ecology Journal
Wetland Habitats of North America—Ecology and Conservation
University of California Press—Wetland Habitats of North America: Ecology and Conservation

Agency report reviews for International Joint Commission, U.S. Geological Survey, U.S. Fish and Wildlife Service, National Park Service, U.S. Army Corps of Engineers, U.S. Department of Transportation, State of the Lakes Ecosystem Conference

Academic consultations

Stornoway Productions (development of a film on Great Lakes wetlands)

University of Manitoba/Murphy Foundation (development of a Wetlands Institute on Lake Winnipeg to address impacts of water-level regulation and other issues)

Friends of Sebago Lake, Maine (strategies and potential research to address environmental problems related to 1997 changes in lake-level regulation)

PROFESSIONAL PRESENTATIONS

Argyilan, E.P., K. Lepper, T.A. Thompson, J.W. Johnston, and **D.A. Wilcox**. 2011. A high-resolution late Holocene lake-level chronology for Lake Huron generated from optical dating of coastal strandplains. Geological Society of America, Minneapolis, MN.

Johnston, J.W., T.A. Thompson, E.P. Argyilan, K. Lepper, S.J. Baedke, and **D.A. Wilcox**. 2011. A Sault-outlet-referenced mid- to late-Holocene paleohydrograph for Lake Superior. Geological Society of America, Minneapolis, MN. **(INVITED)**

Kowalski, K.P., R.J. Rodriguez, E.M. Golenberg, D.C. Freeman, and **D.A. Wilcox**. 2011. Innovative attempts to reduce the competitive advantage of invasive

- Phragmites australis* in the Laurentian Great Lakes. Society of Wetland Scientists, Prague, Czech Republic. **(INVITED)**
- Wilcox, D.A.** 2011. Great Lakes water levels: natural cycles, human impacts, and human responses. U.S. Army Corps of Engineers, Buffalo District Seminar Series, Buffalo, NY. **(INVITED)**
- Wilcox, D.A.** 2011. Wetland restoration in the face of eroding shorelines in the Great Lakes. U.S. Army Corps of Engineers, Buffalo District Seminar Series, Buffalo, NY. **(INVITED)**
- Wilcox, D.A.** 2011. Lake levels, wetlands, shoreline erosion, and natural coastal processes. The Great Waters Institute for Journalism and Natural Resources. Greece, NY. **(INVITED)**
- Wilcox, D.A.** 2011. Relations between Great Lakes water levels and wetland plant communities. Canadian Conference for Fisheries Research/Society of Canadian Limnologists/Society of Wetland Scientists. Toronto, ON. **(INVITED)**
- Wilcox, D.A.** 2011. Water-level regulation and wetland habitat. The Great Waters Institute of Journalism and Natural Resources, Greece, NY. **(INVITED)**
- Wilcox, D.A.,** S.J. Baedke, and T.A. Thompson. 2011. The role of lake-level fluctuations in developing Great Lakes coastal wetlands. Geological Society of America, Minneapolis, MN.
- Wilcox, D.A.** and B.M. Mudrzynski. 2011. Wetland vegetation sampling protocols under the Great Lakes Coastal Wetland Monitoring program: experience in Lake Ontario. State of the Lakes Ecosystem Conference, Erie, PA. **(INVITED)**
- Argyilan, E.P., S.L. Forman, K. Lepper, T.A. Thompson, J.W. Johnston, and D.A. Wilcox. 2010. A review of optical dating of coastal strandplains across the upper Great Lakes. Geological Society of America, Denver, CO. **(INVITED)**
- Doka, S., **D.A. Wilcox,** J.M. Farrell, and G. Grabas. 2010. Review of existing Lake Ontario predictive models. IJC Lake Ontario-St. Lawrence River Adaptive Management Workshop on Ecosystem Modeling. Buffalo, NY. **(INVITED)**
- Bateman, J.A. and **D.A. Wilcox.** 2010. Use of photointerpretation in GIS to determine the relation between lake level and wetland vegetation in Arcadia Marsh, Lake Michigan. Rochester Academy of Sciences, Rochester, NY.
- Carlson-Mazur, M.L., **D.A. Wilcox,** and M.J. Wiley. 2010. Water-balance interactions of plants and groundwater in a Lake Huron coastal wetland complex. International Association for Great Lakes Research, Toronto, ON.
- Carlson-Mazur, M.L., **D.A. Wilcox,** M.J. Wiley, and G. Ito. 2010. Hydrologic drivers governing Great Lakes wetland plant community response to climate change. Society of Wetland Scientists, Salt Lake City, UT.
- Kowalski, K.P., M.J. Wiley, and **D.A. Wilcox.** 2010. Variations in fish populations related to hydrologic connectivity in a diked coastal wetland: implications for habitat rehabilitation. Society of Wetland Scientists, Salt Lake City, UT.
- Wilcox, D.A.** 2010. History and role of the journal Wetlands in developing the field of wetland science. Society of Wetland Scientists, Salt Lake City, UT. **(INVITED)**
- Wilcox, D.A.** 2010. Water-level regulation and wetland habitat. The Great Waters Institute for Journalism and Natural Resources. Cape Vincent, NY. **(INVITED)**
- Wilcox, D.A.** 2010. Deviations and Lake Ontario environmental benefits. International St. Lawrence River Board of Control Second Environmental Workshop. Montreal, PQ. **(INVITED)**
- Argyilan, E.P., K. Lepper, T.A. Thompson, S.L. Forman, S.J. Baedke, and **D.A. Wilcox.**

2009. Lake-level reconstruction for the past ~2000 years from coastal strandplains. Geological Society of America, Portland, OR.
- Carlson, M.L., M.J. Wiley, and **D.A. Wilcox**. 2009. Dynamics among vegetation, hydrology, and underlying geology of a ridge-swale wetland of the Laurentian Great Lakes. Society of Wetland Scientists, Madison, WI.
- Kowalski, K.P. and **D.A. Wilcox**. 2009. Recreating coastal processes to restore degraded coastal wetland habitat: a case study at Metzger Marsh. State of the Strait Conference, Windsor, ON.
- Thompson, T.A., K. Lepper, S.J. Baedke, E.P. Argyilan, and **D.A. Wilcox**. 2009. Pre-Nipissing lake-level rise at Alpena, Michigan. Geological Society of America, Portland, OR
- Wilcox, D.A.** 2009. Wetland restoration in urban areas of the Great Lakes. Great Lakes Urban Habitat Restoration Symposium, Chicago, IL. **(INVITED)**
- Wilcox, D.A.**, J.M. Meeker, K.P. Kowalski, and M.G. Black. 2009. Wetland response to recent low water levels in the upper Great Lakes. Society of Wetland Scientists, Madison, WI.
- Johnston, J.W., E.P. Argyilan, K. Lepper, T.A. Thompson, S.J. Baedke, and **D.A. Wilcox**. 2009. Late Holocene lake-level paleo-hydrograph for Lake Superior constructed from hundreds of ancient shorelines. International Association for Great Lakes Research, Toledo, OH.
- Thompson, T.A., K. Lepper, S.J. Baedke, E.P. Argyilan, and **D.A. Wilcox**. 2009. Strandplain evidence for late Holocene lake level and isostatic rebound in the Lake Huron basin. International Association for Great Lakes Research, Toledo, OH.
- Argyilan, E.P., K. Lepper, T.A. Thompson, S.L. Forman, S.J. Baedke, and **D.A. Wilcox**. 2009. Lake-level reconstruction for the past ~2000 years from coastal strandplains. Geological Society of America, North Central Section, Rockford, IL.
- Thompson, T.A., K. Lepper, J.W. Johnston, S.J. Baedke, E.P. Argyilan, R.K. Booth, A.L. Endres, and **D.A. Wilcox**. 2009. Pre-Nipissing lake-level rise at Alpena, Michigan. Geological Society of America, North Central Section, Rockford, IL.
- Carlson, M.L. and **D.A. Wilcox**. 2008. Evapotranspiration and ground-water-flow systems in a freshwater coastal ridge and swale system. Society of Wetland Scientists, Washington, DC.
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2008. Cofferdams and seed banks in Great Lakes coastal wetland habitat rehabilitation projects. Society of Wetland Scientists, Washington, DC.
- Wilcox, D.A.** 2008. Teaching redox as a Chinese buffet. Society of Wetland Scientists, Washington, DC.
- Wilcox, D.A.** 2008. Nearshore focus: impact of water levels (Lake Ontario plenary address). State of the Lakes Ecosystem Conference, Niagara Falls, ON, Canada **(INVITED)**
- Wilcox, D.A.** 2008. Water-level-regulation effects on wetlands: St. Lawrence/Lake Ontario water levels. New York State Wetlands Forum, Waterloo, NY **(INVITED)**.
- Wilcox, D.A.** 2008. IJC lake-level study: field studies and GIS-based predictive modeling as a foundation for developing monitoring protocols. Lake Ontario LAMP Coastal Wetlands Workshop, Buffalo, NY. **(INVITED)**.
- Carlson, M.L., K.P. Kowalski, and **D.A. Wilcox**. 2007. Evaluation of secondary

- techniques for control of *Phragmites australis* (common reed) in crane creek wetland, western Lake Erie. Society of Wetland Scientists, Sacramento, CA.
- Hodges, L., L.C. Degrazia, S.J. Baedke, T.A. Thompson, and **D.A. Wilcox**. 2007. The use of aqueous geochemistry as an indicator of flow system interaction within a beach-ridge complex of Lake Huron. Geological Society of America, Denver, CO.
- Kowalski, K.P., **D.A. Wilcox**, and M.L. Carlson. 2007. Evaluation of control techniques for *Phragmites australis* in coastal wetlands, Ottawa National Wildlife Refuge. Ohio Invasive Plant Council Research Conference, Delaware, OH.
- Wilcox, D.A.** 2007. Proposal for an accredited major in wetland science and management. Society of Wetland Scientists, Sacramento, CA. **(INVITED)**
- Wilcox, D.A.** 2007. Teaching hydrology in wetland ecology courses: emphasis on ground water. Society of Wetland Scientists, Sacramento, CA. **(INVITED)**
- Wilcox, D.A.** 2007. Water-level fluctuations: driving force behind Great Lakes coastal wetlands. Making a Great Lake Superior Conference, Duluth, MN. **(INVITED)**
- Wilcox, D.A.** 2007. Coastal wetland monitoring needs. Luncheon Speaker: Monitoring Great Lakes Coastal Wetlands using Remote Sensing Techniques, American Society of Photogrammetry and Remote Sensing/Society of Wetland Scientists, Ann Arbor, MI. **(INVITED)**
- Wilcox, D.A.** 2007. Great Lakes drying up? Natural cycles, human impacts, and human responses. Sierra Club, Ann Arbor, MI. **(INVITED)**
- Wilcox, D.A.** 2007. Lake Ontario wetland response to regulation and comparison of proposed new plans. International Joint Commission Lake Ontario-St. Lawrence River Study workshop, Grand Island, NY. **(INVITED)**
- Bell, J.M., S. Porse, S.J. Baedke, T.A. Thompson, and **D.A. Wilcox**. 2006. A comparison of dendrochronological and sedimentological datasets and their applicability for the interpretation of annual and decadal scale climate fluctuations in the Great Lakes. Geological Society of America, Philadelphia, PA.
- Kowalski, K.P. and **D.A. Wilcox**. 2006. Impacts of a constructed pool on a fen in Seney National Wildlife Refuge: restoration implications. USFWS Region 3 Biological Workshop, LaCrosse, WI. **(INVITED)**
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2006. Rehabilitating freshwater coastal wetland habitats in the Laurentian Great Lakes. Society of Wetland Scientists, Cairns, Australia. **(INVITED)**
- Porse, S., J.M. Bell, S.J. Baedke, T.A. Thompson, and **D.A. Wilcox**. 2006. Subsurface stratigraphy and aqueous geochemistry as indicators of hydrology in beach-ridge complexes: two case studies from the upper Great Lakes. Geological Society of America, Philadelphia, PA.
- Wilcox, D.A.** 2006. The importance of water-level fluctuations to fish via macrophyte habitat development. American Fisheries Society, Lake Placid, NY. **(INVITED)**
- Wilcox, D.A.**, S.J. Baedke, and M.L. Carlson. 2006. Ground-water controls on wetland plant community response to climate change. Society of Wetland Scientists, Cairns, Australia.
- Baedke, S.J., **D.A. Wilcox**, and T.A. Thompson. 2005. Insight into ground-water contributions to wetlands using aqueous geochemical indicators and ground-water flow modeling: three case studies from ridge and swale sequences in the upper Great Lakes. Geological Society of America, Salt Lake City, UT.

- Carlson, M.L., **D.A. Wilcox**, and K.P. Kowalski. 2005. Evaluation of *Phragmites australis* control techniques in a degraded coastal wetland, western Lake Erie. Society of Wetland Scientists, Charleston, SC.
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2005. Experiences using a portable cofferdam in a Great Lakes coastal wetland habitat rehabilitation project. International Association of Great Lakes Research, Ann Arbor, MI.
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2005. Integrating scientific research and management of diked wetlands at Crane Creek, a Great Lakes coastal wetland. Society of Wetland Scientists, Charleston, SC. **(INVITED)**
- Posner, R.N., J.M. Bell, S.J. Baedke, T.A. Thompson, and **D.A. Wilcox**. 2005. Aqueous geochemistry as an indicator of subsurface geology and hydrology of a beach-ridge/wetland complex in Negwegon State Park, MI. Geological Society of America, Salt Lake City, UT.
- Wilcox, D.A.** 2005. Effects of fluctuating water levels on Great Lakes coastal wetlands. Keynote Address at Great Lakes Coastal Wetlands, 10th Annual Wetland Science Forum, Wisconsin Wetlands Association, Green Bay, WI. **(INVITED)**
- Wilcox, D.A.** 2005. Management strategies for coastal wetlands with dynamic hydrology. Society of Wetland Scientists, Charleston, SC. **(INVITED)**
- Wilcox, D.A.** 2005. Past lake levels and water availability in the Great Lakes. USGS Water Availability Program Workshop, Lansing, MI. **(INVITED)**
- Wilcox, D.A.** 2005. Modeling wetland response to proposed changes in hydrologic regulation of Lake Ontario. National Research Council of the National Academy of Sciences, peer review of the International Joint Commission Lake Ontario-St. Lawrence Reference Study, Niagara-on-the-Lake, ON, Canada. **(INVITED)**
- Wilcox, D.A.** 2005. Long-term fluctuations of Great Lakes water levels. Invited scientific testimony before the Agriculture and Natural Resources Committee of the Ohio State Legislature regarding proposed H.B. 206. Columbus, OH. **(INVITED)**
- Wilcox, D.A.** 2005. Long-term lake-level changes in the upper Great Lakes. Delta Marsh Coastal Wetland Workshop, Stonewall, MB, Canada. **(INVITED)**
- Wilcox, D.A.,** S.J. Baedke, and T.A. Thompson. 2005. Ground-water contribution to hydrology-driven development of wetland plant communities. Geological Society of America, Salt Lake City, UT.
- Wilcox, D.A.,** M.J. Sweat, M.L. Carlson, and K.P. Kowalski. 2005. Planning hydrologic restoration of small streams in a large, ditched and diked peatland. American Fisheries Society, Anchorage, AK. **(INVITED)**
- Wilcox, D.A.,** Y. Xie, K. P. Kowalski, J. Ingram, and M. L. Carlson. 2005. Modeling wetland response to proposed changes in hydrologic restoration of Lake Ontario. International Association for Great Lakes Research, Ann Arbor, MI. **(INVITED)**
- Johnston, J.W., T.A. Thompson, S.J. Baedke, R.K. Booth, E.P. Argyilan, S.T. Jackson, S.L. Forman, and **D.A. Wilcox**. 2004. Lake-level, post-glacial rebound, and climate in the Lake Superior basin during the last 5000 years. International Association for Great Lakes Research, Waterloo, ON, Canada.
- Johnston, J.W., T.A. Thompson, S.J. Baedke, R.K. Booth, E.P. Argyilan, S.T. Jackson, S.L. Forman, and **D.A. Wilcox**. 2004. The separation of Lake Superior from Lake Michigan/Huron. Geological Association of Canada & Mineralogical Association of Canada, St. Catherines, ON, Canada.

- Kowalski, K.P. and **D.A. Wilcox**. 2004. Application of geospatial technologies during habitat restoration projects at Metzger Marsh and Crane Creek. American Society for Photogrammetry and Remote Sensing, Eastern Great Lakes Region, Fall Technical Meeting, Toledo, OH. **(INVITED)**
- Wilcox, D.A.** 2004. The role of fluctuating water levels in Great Lakes coastal wetlands. Plenary Address at Michigan Wetlands: Celebrating the 25th Anniversary of the Wetland Protection Act Conference, Traverse City, MI. **(INVITED)**
- Wilcox, D.A.** 2004. Long-term lake-level behavior and wetland plant communities. Invited scientific testimony before the Natural Resources and Environmental Issues Committee of the Michigan State Senate regarding a proposal to amend PA 14. **Lansing, MI (INVITED)**
- Wilcox, D.A.** 2004. Restoration of Metzger Marsh. Featured presentation at Wild Ones monthly meeting, Ann Arbor, MI. **(INVITED)**
- Wilcox, D.A.** 2004. The coastal initiative. USGS Great Lakes Science Center Program Review, Ann Arbor, MI. **(INVITED)**
- Wilcox, D.A.**, J.E. Meeker, K.P. Kowalski, J. Ingram, M.L. Carlson, and T.L. King. 2004. Wetland plant communities vs. lake-level regulation: developing a new regulation plan for Lake Ontario. Society of Wetland Scientists, Seattle, WA.
- Wilcox, D.A.**, Y. Xie, K.P. Kowalski, J. Ingram, and M.L. Carlson. 2004. Modeling wetland response to proposed changes in hydrologic regulation of a large reservoir – Lake Ontario. Geological Society of America, Denver, CO.
- Xie, Y., K.P. Kowalski, and **D.A. Wilcox**. 2004. GIS topographic modeling to predict wetland plant associations resulting from proposed Lake Ontario water-level-regulation plans. Society of Wetland Scientists, Seattle, WA.
- Booth, R.K, S.T. Jackson, J.W. Johnston, S.J. Baedke, T.A. Thompson, E.P. Argyilan, S.L. Forman, and **D.A. Wilcox**. 2003. The relationship between climate variability and water-level fluctuations of the upper Great Lakes during the late Holocene. International Association for Great Lakes Research and International Lake Environment Committee Conference, Chicago, IL.
- Johnston, J.W., T.A. Thompson, S.J. Baedke, E. Argyilan, S. Forman, and **D.A. Wilcox**. 2003. The separation of Lake Superior from Lake Michigan/Huron. Geological Society of America, Seattle, WA.
- Kowalski, K.P. and **D.A. Wilcox**. 2003. Use of photointerpretation and GIS to develop a new approach to restoration and management of a Lake Erie coastal wetland. Association of American Geographers East Lakes Regional Meeting, Kalamazoo, MI.
- Kowalski, K.P., **D.A. Wilcox**, H.L. Roten, and M.L. Carlson. 2003. Evaluation of coastal wetland plant community responses to regulated Lake Ontario water levels using aerial photographs and GIS. Society of Wetland Scientists, New Orleans, LA.
- Kowalski, K.P., **D.A. Wilcox**, and M.J. Wiley. 2003. Coastal wetland habitat restoration and exploration. USFWS Great Lakes Basin Ecosystem Team meeting, Chicago, IL.
- Wilcox, D.A.** 2003. From thesis to journal publication: how to succeed. Society of Wetland Scientists, New Orleans, LA. **(INVITED)**
- Wilcox, D.A.** 2003. Restoration techniques for Great Lakes wetlands. Restore America's Estuaries, Baltimore, MD. **(INVITED)**

- Wilcox, D.A.** 2003. Effects of climate change on Great Lakes wetlands. Keynote Address, Water Resources Research Institute annual conference, Kent, OH. **(INVITED)**
- Wilcox, D.A.**, M.J. Sweat, and K.P. Kowalski. 2003. A water-budget approach to hydrologic restoration of a sedge fen. Geological Society of America annual meeting, Seattle, WA.
- Wilcox, D.A.** and T.A. Thompson. 2003. Effects of climate change on Great Lakes wetlands. USGS-BRD Global Change Workshop, Phoenix, AZ. **(INVITED)**
- Wilcox, D.A.**, Y. Xie, and K.P. Kowalski. 2003. Prediction of plant community responses to proposed water-level regulation plans for Lake Ontario. Society of Wetland Scientists, New Orleans, LA.
- Kowalski, K.P. and **D.A. Wilcox**. 2002. USGS research in western Lake Erie: the Metzger Marsh Restoration Project. Society of Wetland Scientists North Central Chapter Meeting, Columbus, OH. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox**. 2002. A synthesis of the Metzger Marsh Restoration Project: wetland plant communities. Society of Wetland Scientists North Central Chapter Regional Meeting, Columbus, OH **(INVITED)**
- Wilcox, D.A.** 2002. Implications of hydrologic variability on the succession of plants in wetlands. Society of Wetland Scientists, Lake Placid, NY. **(INVITED)**
- Wilcox, D.A.** 2002. Water levels and Great Lakes wetlands. Banquet address, Wisconsin Wetlands Association, Fond du Lac, WI. **(INVITED)**
- Wilcox, D.A.** 2002. Effects of Lake Ontario water-level regulation on wetlands. International Joint Commission, Lake Ontario-St. Lawrence River Reference Study Workshop, Montreal, Quebec, Canada. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox**. 2001. Analysis of ecological, hydrologic, and physical factors involved in the restoration of a large peatland in Michigan's upper peninsula, USA. Society of Wetland Scientists, Chicago, IL.
- Kowalski, K.P. and **D.A. Wilcox**. 2001. Application of aerial photographs, GIS, and GPS during the restoration of a former barrier-beach wetland in Lake Erie. Coastal GeoTools '01, Charleston, SC.
- Kowalski, K.P. and **D.A. Wilcox**. 2001. Impacts of a constructed pool on a fen in Seney National Wildlife Refuge: restoration implications. U.S. Geological Survey GIS Workshop 2001, Denver, CO.
- Kowalski, K.P. and **D.A. Wilcox**. 2001. Impacts of a constructed pool on a fen in Seney National Wildlife Refuge: restoration implications. Twenty-First Annual ESRI International User Conference, San Diego, CA. **(INVITED)**
- Wilcox, D.A.** 2001. Watershed characteristics and disturbance type affect biological indicators for Saginaw Bay wetlands. International Association for Great Lakes Research, Green Bay, WI. **(INVITED)**
- Wilcox, D.A.** 2001. Metrics for evaluation of wetland condition in the Great Lakes. SOLEC Biodiversity Workshop, Windsor, ON, Canada. **(INVITED)**
- Wilcox, D.A.** 2001. Ecosystem health and wetlands of Lake Michigan. International Association for Great Lakes Research, Green Bay, WI. **(INVITED)**
- Wilcox, D.A.** 2001. Dynamics of coastal wetlands relative to Late Holocene lake-level change. Geological Society of America, North-Central Section, Normal, IL. **(INVITED)**

- Wilcox, D.A.**, J.E. Meeker, P.L. Hudson, B.J. Armitage, M.G. Black, and D.G. Uzarski. 2001. A test of the applicability of Index of Biotic Integrity metrics to wetlands. Society of Wetland Scientists, Chicago, IL.
- Kowalski, K.P. and **D.A. Wilcox**. 2000. Impacts of a constructed pool on a fen in Seney National Wildlife Refuge: restoration implications. Society of Wetland Scientists, Quebec City, Quebec, Canada.
- Whillans, T. and **D.A. Wilcox**. 2000. Comparison of techniques and experiences in the restoration of Great Lakes coastal wetlands. INTECOL Millenium Wetland Conference, Quebec City, Quebec, Canada. **(INVITED)**
- Wilcox, D.A.** 2000. Water-level fluctuations: the driving force behind Great Lakes coastal wetlands. INTECOL Millenium Wetland Conference, Quebec City, Quebec, Canada. **(INVITED)**
- Wilcox, D.A.** 2000. Effects of Great Lakes water-level fluctuations on wetlands. U.S. EPA Great Lakes National Program Office seminar series, Chicago, IL. **(INVITED)**
- Booth, R., S.T. Jackson, and **D.A. Wilcox**. 1999. Development of Lake Superior coastal wetlands along a spatial chronosequence at Grand Traverse Bay, Keweenaw Peninsula, Michigan. Ecological Society of America, Spokane, WA.
- Kowalski, K.P. and **D.A. Wilcox**. 1999. Use of photointerpretation and GIS to develop a new approach to restoration and management of a Lake Erie coastal marsh. Lake Erie at the Millenium-Changes, Trends, and Trajectories, Winsdor, Ontario, Canada.
- Kowalski, K.P. and **D.A. Wilcox**. 1999. Ecological and hydrologic factors influencing a peatland restoration project in Seney National Wildlife Refuge. Society of Wetland Scientists, Norfolk, VA.
- Kowalski, K.P. and **D.A. Wilcox**. 1999. Use of photointerpretation and GIS in developing a new approach to restoration and management of a Lake Erie coastal wetland. U.S. Geological Survey Third Biennial Geographic Information Science (GIS) Workshop, Denver, CO.
- Kowalski, K.P. and **D.A. Wilcox**. 1999. Use of photointerpretation and GIS in developing a new approach to restoration and management of a Lake Erie coastal wetland. BioGeo99, Applications of Geospatial Technology to Biological Sciences: a Symposium, Lafayette, LA.
- Wilcox, D.A.** 1999. Geological mapping needs in the Great Lakes coastal zone. USGS Great Lakes Geological Mapping Initiative, Columbus, OH. **(INVITED)**
- Wilcox, D.A.** 1999. Environmental considerations for the Lake Michigan Potential Damages Study. Lake Michigan State of the Lakes '99, Muskegon, MI. **(INVITED)**
- Wilcox, D.A.** 1999. Aquatic macrophytes and wetlands in Lake St. Clair: the role of water-level fluctuations. Lake St. Clair: Its Current State and Future Prospects, Port Huron, MI. **(INVITED)**
- Wilcox, D.A.** 1999. Dynamic Great Lakes water levels and wetlands. Upper Mississippi River/Great Lakes Region Joint Venture Management Board Meeting, Bay City, MI. **(INVITED)**
- Wilcox, D.A.** 1999. Water-level changes—climatic or man-made? Michigan Lakes and Streams Association, Gaylord, MI. **(INVITED)**

- Wilcox, D.A.** 1999. Interactions between water levels and wetlands. International Joint Commission Cumulative Impacts of Water Withdrawals, Commissioners meeting, Windsor, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.** 1999. Cumulative impacts of water withdrawals on Great Lakes wetlands. International Joint Commission Cumulative Impacts in the Great Lakes-St. Lawrence River Ecosystem—Experts Workshop, Windsor, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.** 1999. Use of latitude, geomorphic setting, elevation, and wave exposure to differentiate and cluster Great Lakes wetlands. International Association for Great Lakes Research, Cleveland, OH. **(INVITED)**
- Wilcox, D.A.** and K.P. Kowalski. 1999. Overcoming problems in data collection for wetland restoration projects involving multiple partners. Society of Wetland Scientists, Norfolk, VA.
- Armitage, B.J., P.L. Hudson, and **D.A. Wilcox.** 1998. Caddisflies of fringing wetlands of the Great Lakes. Societas Internationalis Limnologiae, Dublin, Ireland. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox.** 1998. Use of aerial photography, GIS, and GPS to examine wetland plant communities in a Lake Erie coastal marsh restoration project. Society of Wetland Scientists, Anchorage, AK.
- Wilcox, D.A.** 1998. Effects of global climate change on Great Lakes wetlands. USGS-BRD Global Climate Change and Wetlands Program Review, Phoenix, AZ. **(INVITED)**
- Wilcox, D.A.** 1998. Pinhook Bog restoration—ten years later. Society of Wetland Scientists, Anchorage, AK.
- Kowalski, K.P. and **D.A. Wilcox.** 1997. Assessment of first-year drawdown using photointerpretation and GIS as part of a Lake Erie wetland restoration project. Society of Wetland Scientists, Bozeman, MT.
- Wilcox, D.A.** 1997. Wetland mapping needs in the Great Lakes. USGS Great Lakes Geological Mapping Initiative, Indianapolis, IN. **(INVITED)**
- Wilcox, D.A.,** S.T. Jackson, and T.A. Thompson. 1997. Global climate change and hydrology effects on Great Lakes wetlands. Society of Wetland Scientists, Bozeman, MT. **(INVITED)**
- Kowalski, K.P. and **D.A. Wilcox.** 1996. Use of photointerpretation and GIS in developing a new approach to restoration and management of a Lake Erie coastal wetland. Society of Wetland Scientists, Kansas City, MO.
- Meeker, J.E. and **D.A. Wilcox.** 1996. Hotspot and periphyton sampling as two low-cost methods using plants as bioindicators of degradation in Lake Superior coastal wetlands. Society of Wetland Scientists, Kansas City, MO.
- Wilcox, D.A.** 1996. The Metzger Marsh restoration project. U.S. EPA Great Lakes National Program Office seminar series, Chicago, IL. **(INVITED)**
- Wilcox, D.A.** 1996. The Metzger Marsh restoration project. Ohio Biological Survey seminar series, Columbus, OH. **(INVITED)**
- Wilcox, D.A.** 1996. Metzger Marsh: the Grand Experiment. Ohio Chapters of American Fisheries Society and Wildlife Society, Oak Harbor, OH. **(INVITED)**
- Wilcox, D.A.** and L. Maynard. 1996. Coastal Wetlands **(plenary address)**. State of the Lakes Ecosystem Conference, Windsor, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.** and J.E. Meeker. 1996. Invasion of sedge/grass meadows in drowned-river-mouth wetlands of Lake Michigan by *Typha*, *Phalaris*, and *Lythrum*.

- Society of Wetland Scientists, Kansas City, MO.
- Meeker, J.E., **D.A. Wilcox**, J.E. Elias, and S.G. Spickerman. 1995. Factors influencing the diversity in Lake Superior coastal wetlands. Society of Wetland Scientists, Boston, MA.
- Wilcox, D.A.** 1995. The response of coastal wetlands to Great Lakes water-level fluctuations. Freshwater Coastal Wetlands—Issues and Applications, Cambridge, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.**, J.E. Meeker, M.G. Black, B.J. Armitage, P.L. Hudson, and J.R. Keough. 1995. Developing biological indicators of degradation for barrier beach protected wetlands of western Lake Superior. Society of Wetland Scientists, Boston, MA.
- Meeker, J.E., D. Waller, and **D.A. Wilcox**. 1994. Assessment of the variability in productivity of riverine wild rice in northern Wisconsin. Society of Wetland Scientists, Portland, OR.
- Meeker, J.E. and **D.A. Wilcox**. 1994. Sedimentation and wild rice productivity associated with seiche action in the Kakagon Sloughs of Lake Superior. International Association for Great Lakes Research, Windsor, Ontario, Canada. **(INVITED)**
- Singer, D., S.T. Jackson, B.J. Madsen, and **D.A. Wilcox**. 1994. Climatic influences on wetland vegetation for a 12,000+ year old basin in northern Indiana. American Quaternary Association, Minneapolis, MN.
- Wilcox, D.A.** 1994. Wetlands of Lake Huron: role, function, and management. Aquatic Ecosystem Health and Management Society, Windsor, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.** 1994. Vegetation indicators for Great Lakes wetlands. USEPA Technical Workshop on EMAP Indicators for Great Lakes Coastal Wetlands, Duluth, MN. **(INVITED)**
- Wilcox, D.A.** 1994. Information transfer guides restoration of Metzger Marsh on Lake Erie. Society of Wetland Scientists, Portland, OR.
- Meeker, J.E., D. Waller, and **D.A. Wilcox**. 1993. Variability in biomass, stand density, and population structure of riverine wild rice in northern Wisconsin. Society of Wetland Scientists, Edmonton, Alberta, Canada.
- Wilcox, D.A.**, J.E. Meeker, and J. Elias. 1993. The effects of water-level regulation on wetland plant communities in Lake Ontario. Society of Wetland Scientists, Edmonton, Alberta, Canada.
- Meeker, J.E., **D.A. Wilcox**, and J. Elias. 1992. The importance of water-level fluctuations for plant species richness in Lake Superior wetlands. Society of Wetland Scientists, New Orleans, LA.
- Wilcox, D.A.** 1992. Aquatic macrophyte community differences in dune ponds—hydrarch succession or disturbance? Michigan Botany Club, Ann Arbor, MI. **(INVITED)**
- Wilcox, D.A.** 1992. Wetland and aquatic macrophytes as indicators of hydrologic disturbance. Natural Areas Association, Bloomington, IN. **(INVITED)**
- Wilcox, D.A.** 1992. Effects of Global Change on Wetlands of Lake Michigan. Great Lakes-St. Lawrence Basin Project Workshop, Quebec City, Quebec, Canada. **(INVITED)**
- Wilcox, D.A.** 1992. Keeping wetlands in the process: a case history on Great Lakes water-level regulation. Society of Wetland Scientists, New Orleans, LA.

- Wilcox, D.A.** and J.E. Meeker. 1992. Application of the intermediate disturbance hypothesis to management of wetlands in regulated lakes. Botanical Society of America, Honolulu, HI. **(INVITED)**
- Madsen, B.J. and **D.A. Wilcox**. 1991. Long-term effects of lake-level fluctuations on a freshwater coastal marsh. Society of Wetland Scientists, Ann Arbor, MI.
- Meeker, J.E., **D.A. Wilcox**, and D.M. Waller. 1991. Macrophyte response to fluctuating water levels in a wild rice-dominated wetland on Lake Superior. Society of Wetland Scientists, Ann Arbor, MI.
- Whitman, R.L., D.B. Engquist, and **D.A. Wilcox**. 1991. Indiana Dunes — a park 50 years too late? Society of Wetland Scientists, Ann Arbor, MI. **(INVITED)**
- Wilcox, D.A.** 1991. Wetland buffers for lake margin management. Ohio Lake Management Society, Deer Creek Lake State Park, OH. **(INVITED)**
- Wilcox, D.A.** and B.J. Madsen. 1991. The role of bottom topography in determining diversity of plant communities in diked wetlands. Society of Wetland Scientists, Ann Arbor, MI.
- Damberg, R., E. Roth, N. Fishbein, A. Onushco, S. Jones, and **D.A. Wilcox**. 1990. Landowner participation in the USFWS wetland restoration program on agricultural lands. Society of Wetland Scientists, Breckenridge, CO.
- Wilcox, D.A.** 1990. Great Lakes wetlands: an understudied resource. Canadian Botanical Association, Windsor, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.** 1990. The influence of water-level change and basin morphology on plant community composition in Great Lakes wetlands. Association of State Wetland Managers, Niagara Falls, NY. **(INVITED)**
- Wilcox, D.A.** 1990. No net loss of wetlands. International Perspectives on Great Lakes Management Issues, East Lansing, MI. **(INVITED)**
- Wilcox, D.A.** and J.E. Meeker. 1990. Faunal habitat alteration in macrophyte communities affected by water-level regulation in lakes of Voyageurs National Park, Minnesota. Society of Wetland Scientists, Breckenridge, CO.
- Zoars, S., R. Haberman, S. Bedross, and **D.A. Wilcox**. 1990. The USFWS wetland restoration program: determining selection criteria and evaluating success. Society of Wetland Scientists, Breckenridge, CO.
- Meeker, J.E. and **D.A. Wilcox**. 1989. The importance of natural water-level fluctuations on aquatic plant communities: case studies on Lake Superior and Voyageurs National Park wetlands. International Association for Great Lakes Research, Madison, WI. **(INVITED)**
- Shedlock, R., P. Phillips, **D.A. Wilcox**, and T. Thompson. 1989. Importance of both regional and local patterns of flow and chemistry in hydrogeologic investigations of freshwater wetlands. International Geological Congress, Washington, DC.
- Wilcox, D.A.** 1989. The role of water-level fluctuations in maintaining Great Lakes coastal wetlands. Restoration and Preservation of Great Lakes Coastal Ecosystems, Buffalo, NY. **(INVITED)**
- Wilcox, D.A.** 1989. The role of water-level fluctuations in determining wetland plant community composition in the Great Lakes. Indiana Dunes Research Conference, Merrillville, IN. **(INVITED)**
- Wilcox, D.A.** 1989. The interaction of basin morphology and water-level change in determining Great Lakes wetland plant community composition. American Society of Limnology and Oceanography, Fairbanks, AK. **(INVITED)**

- Wilcox, D.A.**, S.J. Nichols, L. Kensler, and D. Schloesser. 1989. The effect of water-level fluctuations on plant zonation in a Saginaw Bay, Lake Huron wetland. International Association for Great Lakes Research, Madison, WI. **(INVITED)**
- Wilcox, D.A.**, D. Schloesser, and S.J. Nichols. 1989. The effects of water-level fluctuations on plant communities in a Great Lakes river-delta wetland. Society of Wetland Scientists, Orlando, FL.
- Meeker, J.E. and **D.A. Wilcox**. 1988. Comparison of aquatic macrophyte communities in regulated vs. non-regulated lakes in northern Minnesota. Ecological Society of America, Davis, CA.
- Wilcox, D.A.** 1988. Effects of water-level fluctuations on Great Lakes wetlands (plenary address). Great Lakes Wetland Research Workshop, Toronto, Ontario, Canada. **(INVITED)**
- Wilcox, D.A.** 1988. Alterations in macrophyte communities related to water-level changes in two Wisconsin flowages. Society of Wetland Scientists, Washington, DC.
- Boyle, T.P., D. Beeson, and **D.A. Wilcox**. 1987. The effect of two century-old, low head dams on the distribution of macrophytes, carbon transport, and the macroinvertebrate community in the Namekagon River, Wisconsin. Lake Superior Biological Conference, Duluth, MN.
- Boyle, T.P., D. Beeson, and **D.A. Wilcox**. 1987. The effect of two century-old, low head dams on the distribution of macrophytes, carbon transport, and the macroinvertebrate community in the Namekagon River, Wisconsin. Lake Superior Biological Conference, Duluth, MN.
- Shedlock, R.J., D.A. Cohen, N.J. Loiacono, and **D.A. Wilcox**. 1987. Relations between ground water and wetlands along southern Lake Michigan in Northwest Indiana. American Geophysical Union, Baltimore, MD.
- Wilcox, D.A.** 1987. Future directions of the journal, *Wetlands*. Society of Wetland Scientists, Seattle, WA. **(INVITED)**
- Wilcox, D.A.** 1987. Wetlands of Indiana Dunes National Lakeshore. Indiana Water Resources Association, Michigan City, IN. **(INVITED)**
- Wilcox, D.A.**, R. Buchholz, and K.R. Edwards. 1987. Testing methods of vegetation restoration in a road-salt impacted bog. Ecological Society of America, Columbus, OH.
- Jackson, S.T., **D.A. Wilcox**, and R.P. Futyma. 1986. Paleoecology of a small interdunal pond: 2800 years without succession. Ecological Society of America, Syracuse, NY.
- Wilcox, D.A.** 1986. Ecology and management potential for purple loosestrife (*Lythrum salicaria*). Research in the National Parks, Ft. Collins, CO. **(INVITED)**
- Wilcox, D.A.** 1986. The necessity of interdisciplinary research in wetland ecology. Research in the National Parks, Ft. Collins, CO. **(INVITED)**
- Wilcox, D.A.** 1986. Migration of the wetland exotic, purple loosestrife (*Lythrum salicaria*), along a highway corridor. Ecological Society of America, Syracuse, NY.
- Wilcox, D.A.** and M.A. Hardy. 1986. Effects of coal fly-ash disposal on water chemistry, soil chemistry, and vegetation in an intradunal wetland at Indiana Dunes. Research in the National Parks, Ft. Collins, CO. **(INVITED)**

- Wilcox, D.A.** and H.A. Simonin. 1986. Aquatic macrophyte community differences in dune ponds—hydrarch succession or disturbance? Indiana Dunes Research Conference, Gary, IN. **(INVITED)**
- Wilcox, D.A.**, R.P. Futyma, and R.J. Shedlock. 1985. The hydrogeological and vegetational development of wetlands in the Cowles Bog Wetland Complex, Indiana Dunes National Lakeshore. Ecological Society of America, Minneapolis, MN.
- Wilcox, D.A.**, N.B. Pavlovic, and M.L. Mueggler. 1985. Selected ecological characteristics of *Scirpus cyperinus* and its role as an invader of disturbed wetlands. Society of Wetland Scientists, Durham, NH.
- Apfelbaum, S.I., **D.A. Wilcox**, and R.D. Hiebert. 1984. Cattail invasion of sedge meadows following hydrologic disturbance at Cowles Bog National Natural Landmark, Indiana Dunes. Society of Wetland Scientists, San Francisco, CA.
- Hiebert, R.D. and **D.A. Wilcox**. 1984. Ordination of vegetation in and around calcareous intradunal ponds at the Indiana Dunes National Lakeshore. Ecological Society of America, Ft. Collins, CO.
- Wilcox, D.A.** and R.D. Hiebert. 1984. Secondary succession and related environmental factors in a formerly flooded wetland following termination of fly ash pond seepage. Ecological Society of America, Ft. Collins, CO.
- Wilcox, D.A.**, H.A. Simonin, and J. Alden. 1984. The stratigraphy and development of Pinhook Bog. Society of Wetland Scientists, San Francisco, CA.
- Wilcox, D.A.** 1983. Water resource issues at Indiana Dunes National Lakeshore. Banquet Address (**previous year's address was by Governor Orr**). Indiana Water Resources Association, Turkey Run State Park, IN. **(INVITED)**
- Wilcox, D.A.** 1983. Recolonization of a road salt impacted bog by *Sphagnum fimbriatum*. Society of Wetland Scientists, St. Paul, MN.
- Wilcox, D.A.**, H.A. Simonin, and W.C. Storm. 1983. The aquatic counterpart to plant succession studies at Indiana Dunes. Ecological Society of America, Grand Forks, ND.
- Wilcox, D.A.** 1982. Effects of deicing salts on *Sphagnum recurvum*. Ecological Society of America, University Park, PA.
- Wilcox, D.A.** 1981. An *in situ* bioassay of the toxicity of road-salt to aquatic plants in Pinhook Bog. American Society of Limnology and Oceanography, Milwaukee, WI.
- Wilcox, D.A.** 1980. Salt contamination at Pinhook Bog. Indiana Water Resources Association, Turkey Run State Park, IN. **(INVITED)**
- Wilcox, D.A.**, M. Flora, T. Getz, and B. Trgovcich. 1980. Baseline study of Miller Woods interdunal ponds, Indiana Dunes National Lakeshore. American Society of Limnology and Oceanography, Los Angeles, CA.
- Effler, S.W., **D.A. Wilcox**, S.D. Field, and M. Quirk. 1979. Meromixis at Green Lake, Clark Reservation, Jamesville, NY. American Society of Limnology and Oceanography, Corpus Christi, TX.
- Hendrickson, W.H. and **D.A. Wilcox**. 1979. Relationship between some physical properties and the vegetation found in Cowles Bog National Natural Landmark, Indiana. Research in the National Parks, San Francisco, CA.
- Shuba, T.G., G. Loreface, S.W. Effler, **D.A. Wilcox**, S.D. Field, and M. Meyer. 1979. Some aspects of diurnal variations for meromictic Green Lake, Jamesville, NY. American Society of Limnology and Oceanography, Stony Brook, NY.

Wilcox, D.A. 1979. Salt intrusion at Pinhook Bog, Indiana Dunes National Lakeshore.
Research in the National Parks, San Francisco, CA.