

Timothy Gordon Fisher

CURRICULUM VITAE

Chair of Environmental Sciences
Professor of Geology

Oct 2012

Department of Environmental Sciences
University of Toledo
Ms#604, 2801 W. Bancroft St,
Toledo, OH 43606

Office (419) 530-2009
Fax (24hr) (419) 530-4421
Timothy.Fisher@Utoledo.edu

EDUCATION

- Ph.D. 1993 University of Calgary. (Geomorphology, Glaciology and Quaternary Research)
Ph.D. thesis: "Glacial Lake Agassiz: The northwest outlet and paleoflood spillway, N.W. Saskatchewan and N.E. Alberta" 184p.
- M.Sc. 1989 Queen's University. (Glacial Sedimentology and Geomorphology)
Thesis: "Rogen Moraine formation: examples from three distinct areas within Canada" 196p.
- B.Sc. 1987 University of Alberta. (Honors) Physical Geography
Honors thesis: "Debris entrainment in the subpolar glaciers of Phillips Inlet, Northwest Ellesmere Island" 51p.

ACADEMIC APPOINTMENTS

- 2010–present Chair, Department of Environmental Sciences, University of Toledo
2008–2009 Associate Chair, Department of Environmental Sciences, University of Toledo
2006–present Professor of Geology with tenure, University of Toledo
2005–present Graduate Faculty member, University of Toledo, full status
2003–2006 Associate Professor, tenure track, University of Toledo
2002–2003 Chair of the Department of Geosciences, Indiana University Northwest
1999–2003 Associate Professor of Geography with tenure, Indiana University Northwest
1999–2001 Chair of the Department of Geosciences, Indiana University Northwest
1998–2003 Faculty of the Indiana University Graduate School, associate status
1994–1998 Assistant Professor of Geography, tenure-track, Indiana University Northwest
1993–1994 Sessional Instructor, Red Deer College, Alberta, Canada
1993 Sessional Instructor, University of Calgary, Alberta, Canada

AWARDS

- Arts & Science Faculty Excellence Award 2010
- Sabbatical leave 2009 Autumn
- Kohler International Travel Grant, University of Toledo, 2007, 2009, 2010
- Sabbatical leave for academic year to University of Canterbury, Christchurch, New Zealand, 2002
- Overseas Conference Fund Award, Office of International Affairs, Indiana University, 2001
- Outstanding Faculty Scholarship Award, Indiana University Northwest, 1999
- Teaching Excellence Recognition Award, Indiana University Northwest, 1998, 1999
- Finalist for Jerome H. Remick III award for best poster, GAC/MAC conference, 1996

PROFESSIONAL SERVICE

- Associate Editor, Canadian Journal of Earth Sciences 2008–present
- Editorial Board Quaternary Science Reviews 2005–2012
- Physical Geography Editor, Journal of Maps 2005–2011
- Special Issue Editor, Quaternary Science Reviews 2004
- Special Issue Editor, Quaternary International 2001
- President of the Sub-Commission on Glaciation for the International Union for Quaternary Research (INQUA) 2003–2007
- Co-leader of MOCA (Meltwater routing and Ocean-Cryosphere-Atmosphere response) INQUA 2007–11
- Organized & co-chaired theme session: Wind, Water, and Ice: The Geomorphology and Quaternary Geologic History of Great Lakes' Coasts, GSA annual meeting, Minneapolis, MN October 2011
- Organized & chaired theme session: The Quaternary history of the Great Lakes, NCNE-GSA annual Meeting, Pittsburgh, PA April 2011
- Organized symposium: Living in Ruhe's Shadow with Loess, Paleosols, and Tills: A Session in Honor of Bob Hall's Contributions to Quaternary Science, with John Szabo for the North Central Geological Society of America Annual Meeting, Evansville, IN 23–25 April 2008.
- Organized special session on glacial geology for the North Central Geological Society of America Annual Meeting, Akron, OH, 20–21 April 2006.
- Organized and co-convenor of glacial lake talks for the North Central Geological Society of America Annual Meeting, Minneapolis, MN 19, 20 May 2005.
- Member of the INQUA Commission on Terrestrial Processes, Deposits & History (2003–2007)
- Secretary of the Commission on Glaciation for INQUA (1999–2003)
- Member of the scientific committee for the 6th drumlin symposium, Poland 2001
- Geological Society of America Campus Representative IUN 1996–2003; UT 2003–present

PROFESSIONAL MEMBERSHIPS

- American Geophysical Union (2001–present)
- American Quaternary Association (2003–present)
- Canadian Quaternary Association (2003–present)
- International Quaternary Association (2003–present)
- Geological Society of America (1990–present)
- AAAS (2003–2009)
- Indiana Academy of Science (2002–2004)
- Sigma Xi (2000–present)
- The Canadian Geomorphology Research Group (1993–present)

ADMINISTRATIVE SERVICE

- Member of dean search committee, Natural Sciences and Mathematics, UT (2010)
- Member of Department Graduate Affairs committee (2007–2010)
- Search committee member for junior faculty positions in the School for Solar and Advanced Renewable Energy (SSARE).

- Faculty mentor for tenure-track faculty (2006–2010)
- Member of ad-hoc department merit committee (2008–09)
- College Committee Academic Personal (2007–09), Chair (2008–09)
- Co-Chair Earth Surface Process search committee (2007)
- Member of Department Curriculum committee (2007–10)
- Chair of departmental Undergraduate affairs committee (2007–08)
- Graduate subcommittee of the Recruitment committee (2007–08)
- Chair of ad hoc department committee to overhaul Geology undergraduate degree (2006–2007)
- Chair of ad hoc department committee on promotional materials (2006–2007)
- Organized and arranged space for department equipment (2005–2007)
- Member of limnology search committee (2005–2006)
- Judge for NW Ohio Science Day (2006)
- Member of A & S college science facility committee (2005–2006)
- Scientific Advisory Board for the Lake Erie Center (2005–present)
- Arts & Sciences Promotion & Tenure committee (2002)
- Chairman of the Geosciences Department (1999–2001, 2002–2003)
- IUN Equipment Committee (1998-1996; Chair 1998–2001)
- IUN Director of the Undergraduate Research Fund (1996–2001)
- Webmaster for the IUN Geosciences Department (1997–2001)
- IUN Arts & Sciences Curriculum Committee (1998–1999)
- IUN Wellness committee (1994–1997)
- IUN Geosciences departmental promotion committee (1997)

TEACHING ACTIVITY

University of Toledo

- EEES 1010 Introduction to Physical Geology
- EEES 3100 Surficial Processes
- EEES 4640 Applied Geology
- EEES 4100/5100 Glacial/Advanced Glacial Geology
- EEES 4200/5200 Quaternary/Advanced Quaternary Geology
- EEES 6100 Glacial Stratigraphy & Geophysics
- EEES 49/59/6980 Special Topics: Glacial & Quaternary Geology; Evidence for low lake levels; Styles of Deglaciation; Geology & Ecology of Global Climate Change
- EEES 6960 Masters Thesis Research

Indiana University Northwest

- Geology 101 Introduction to Earth Sciences
- Geology 102 Introduction to Earth Sciences - laboratory
- Geography 110 Introduction to Human Geography

- Geology 220/420 Regional Geology Field Trip
- Geology 317 Field Methodology and Data Analysis
- Geology 407, 8 Senior Science Project
- Geology 410 Undergraduate Research in Geology
- Geology 415 Principles of Geomorphology
- Geology 435 Glacial and Quaternary Geology
- Geology 460 Internship in Geology

Other Institutions, Associate Faculty

- Geography 231 Introductory Physical Geography, Red Deer College
- Geography 230 Introductory Geomorphology, Red Deer College
- Geography 307 Landform Processes and Morphology, University of Calgary

Postdoctoral Advising

Dr. Xiuju Liu Paleoclimate reconstructions in the Lake Agassiz basin 2011–

Graduate Student Advising

MS Students (Principal Advisor):

Active:

Kira Baca. “Determining infill rate of anthropogenic abandoned meander channel and terminality of an oxbow lake—Kalamazoo River at Saugatuk, MI” Dept. of Environmental Sciences, University of Toledo. 2010–

Joseph Blockland. “Surficial geology mapping of the Delta, OH 7.5’ Quadrangle” Dept. of Environmental Sciences, University of Toledo. 2010–

Completed:

Brad Anderson. “Estimating the duration of ancestral Lake Erie using varve analysis at and above the Warren stage in northwest Ohio” Dept. of Environmental Sciences, University of Toledo. 2009–2011

Barbara Hanes. Dept. of Environmental Sciences, University of Toledo. Paleo-storminess in the southern Lake Michigan basin, as recorded by eolian sand downwind of dunes. 2008–2010

Mario Castaneda. “The Origin and Dynamics of Coastal Processes at Sand Point, Pictured Rocks National Lakeshore, MI”. Dept. of Environmental Sciences, University of Toledo. 2007–2009.

Melinda Campbell. “Surficial geology mapping of the dune-dominated Whitehouse 7.5’ Quadrangle”. Dept. of Environmental Sciences, University of Toledo 2007–2009.

Brittany Austin. “Late Wisconsinan history and molluscan paleoecology of Stony and Silver Lakes, Oceana County, MI, USA” Dept. of Environmental Sciences, University of Toledo. 2004–2007.

Henry Loope. “Deglacial chronology and glacial stratigraphy of the western Thunder Bay Lowland, Northwest Ontario, Canada”. Dept. of EEES, University of Toledo. 2004–2006.

Amber Boudreau. “Constraining the Nipissing transgression in Lake Michigan”. Dept. of EEES, University of Toledo. 2003–2005.

Kelly Weyer. “Can eolian sand in lakes downwind of perched dunes be used as a proxy for paleo Lake Michigan levels?” Dept. of EEES, University of Toledo. 2003–2005.

Ph.D. Committee Member

Active:

Brenda Leady, Aquatic Ecology Dept. of Environmental Sciences, University of Toledo. 2012–

Amanda Haponiski, “Evolutionary, biogeographic, and population genetic patterns of walleye and other Sander: Relationships among continents, corridors, and spawning sites” Dept. of Environmental Sciences, University of Toledo. 2011–

Completed:

Todd Crail, "Hierarchy of spatial scales: Niche partitioning of darters (Pisces: Percidae) across a latitudinal and zoogeographic gradient". Dept. of Environmental Sciences, University of Toledo. 2008–2012
Andrew Kozlowski "Origin of the Central Kalamazoo River Valley, Southwestern Michigan USA". University of Western Michigan. 1999–2004.

MS Committee Member

Active:

Kent Walters, Deglaciation chronology in northern Wisconsin. Dept. of Geology, University of Cincinnati. 2012–

Completed:

Todd Crail, Ecology, UT 2008–2012
Abby Norton, Geology, UT 2006–2009
Amanda Haponski, Ecology, UT 2006–2008
Stanislav Nikolov. Geography, UT 2006

Manuscript & Research Proposal Peer Reviews

With reviews since 2003 indicated

- NSF – National Science Foundation (USA) 2/06, 3/06, 3/06, 10/06, 4/07, 4/07, 4/07, 10/08, 12/08, 10/09, 10/09, 10/11, 10/11, 4/12, 10/12
- NSERC – Natural Sciences and Engineering Research Council (Canada) 12/04, 12/04, 12/06, 12/06, 12/08, 12/10, 12/10, 1/12
- NERC – Natural Environmental Research Council (United Kingdom)
- NGS – National Geographic Society
- PRF – Petroleum Research Fund (American Chemical Society) 2/06, 3/08
- Annals of Glaciology; Basin Research, 10/09;
- Boreas 8/03, 10/03, 4/08, 8/08, 12/11, 7/12,
- Canadian Journal of Earth Sciences 6/03, 9/04, 2/05, 10/10, 11/10, 8/11, 8/11, 7/12, 7/12
- Earth Surface Processes and Landforms 10/09, 2/11,
- Geology 11/04, 3/05, 2/07, 4/07, 10/09, 12/09, 6/12
- Geological Society of America Bulletin; Géographie Physique et Quaternaire 9/05
- Geomorphology 3/04; Great Lakes Geographer 8/06; Indiana Academy of Sciences
- Journal of Great Lakes Research 12/06, Journal of Coastal Research 4/11,
- Journal of Maps 9/05, 11/05, 11/06, 2/07, 6/07, 7/07, 9/07, 5/08, 5/08, 9/08, 9/08, 10/08, 8/09, 12/09, 4/10, 5/10, 10/10, 11/10, 1/11, 5/11, 9/11, 1/12
- Journal of Paleolimnology 12/10; 12/10, 8/11, 8/12,
- Journal of Environmental Management 6/11
- Megaflooding on Earth and Mars, Cambridge University Press (1 chapter 2007)
- Molecular Ecology 9/07; Natural Hazards 11/05, 3/06; Ohio Supercomputer Center Grant 2/08
- Palaeogeography, Palaeoclimatology, Palaeoecology, 9/07
- Proceedings of the Seventh International Conference on Permafrost
- Quaternary International 9/11
- Quaternary Research 3/07, 10/07, 11/09
- Quaternary Science Reviews 9/05, 7/09, 12/09, 12/10, 1/11, 5/12
- Sedimentary Geology; The American Midland Naturalist 3/07; The Holocene 6/05, 11/07, 2/12

- Basin Research 10/09; J. Quaternary Science 1/10; Sedimentary Geology 2/10

Textbook & CD-ROM Reviews

- Martini et al. (2002) Glacial Geomorphology and Geology, for Boreas V. 31, p. 212-213.
- Glacial chapter of Earth's Dynamic Surface, TASA Graphics CD-ROM
- Selected chapters of Earth Science Today, Wadsworth Publishing Company.
- Seven Physical Geography textbooks for Addison Wesley Publishing.

Invited Talks

- Glacial Lake Agassiz: A reassessment of its role as the smoking gun for triggering abrupt climate changes at the close of the last ice age. University of Windsor, Earth & Environmental Sciences, December 2, 2011.
- Statistical Analysis and Modeling of Heterogeneous Geologic Data. Part 1: Are there climate signals in eolian sand in lake sediment? CNSM Interdisciplinary Colloquium, UT November 4, 2011.
- Using eolian sand and dunes in the Oak Openings and coastal Michigan as proxies for paleoclimate, Department of Geology, Bowling Green State University February 2011
- Testing the role of glacial Lake Agassiz for explaining abrupt climate changes at the end of the last ice age, Department of Physics and Astronomy, UT February 2010
- Reining-in Lake Agassiz's role in Younger Dryas climate change—or is it just a pause before a kick in the ribs? Constraining the glacial Lake Agassiz meltwater routing history by dating ice margins and outlets, Tulane University January 2010.
- Reconstructing past water levels in the Great Lakes. Indiana University NW, 1 April 2009.
- Reconstructing past water levels in the Great Lakes. College of Wooster, 26 March 2009.
- What was the linkage between glacial Lake Agassiz overflow and climate change? Natural Sciences Colloquium at University of Michigan Dearborn, 21 November 2008
- Why Geography Matters: glacial Lake Agassiz role in abrupt climate change. University of Wisconsin-Eau Claire, December 2007.
- Dunes, Lakes, Meltwater Routing and Climate Change: So much to do with so little time. Calvin College, Grand Rapids Michigan, November 20, 2007.
- The Lake Evolution II—The low phase of glacial Lake Agassiz. Comer Climate Change Conference, September 14, 2007.
- Timing of meltwater routing through glacial Lake Agassiz. Ormen meeting, Bergen Norway, September 11, 2007.
- Glacial evolution of the Great Lakes region. Plant Biology & Botany Joint Congress, Chicago, IL, July 7–11.
- Deglaciation in the Lake Agassiz basin. Lamont Doherty Labs, Columbia University. June, 2006.
- Glacial Lake Agassiz and abrupt climate change: just what is the relationship? Department of Geology, University of Akron, October 6, 2006
- Glacial Lake Agassiz: a super-sized lake with probable connections to climate change. Department of Geology, Bowling Green State University, October 14, 2004.
- A Saturated View of the Saginaw Lobe: The Meltwater Megaflood Hypothesis. Department of Geology, Michigan State University, Lansing, MI. October 7, 2004.
- The ups and downs of Lake Michigan as recorded in Silver Lake's sediment cores. Department of Geology, Hope College, MI, January 23, 2004.

- A big lake's record, recorded in a little lake's sediment at Little Sable Point, Michigan. Department of Biological, Geological, and Environmental Sciences, Cleveland State University. October 10, 2003.
- Fact or Fiction: Large-Scale Subglacial Meltwater Floods from South-Central Michigan. T. Mylan Stout Lecture Series, Department of Geosciences, University of Nebraska. January 19, 2001.
- Elucidating the outlet chronologies of Lake Agassiz and their relationship to climate changes. Department of Geology, Indiana University-Purdue University. January 26, 2001.
- Chronology and history of glacial Lake Agassiz. Department of Geology, Carelton College, Northfield, MN, January 21, 2000.
- Origins of boulder beds, tunnel channels, and drumlins in south central Michigan: Department of Geology, University of Illinois – Chicago, November 11, 1999.
- Subglacial meltwater sculpting and modifications of south-central Michigan. Department of Geology, University of Western Michigan, Kalamazoo, MI November 15, 1999.
- The new northwest outlet of glacial Lake Agassiz - the associated catastrophic flood and possible climatic influences in the Arctic basin. Department of Geological Sciences, Indiana University Bloomington, February 20, 1996.
- A discussion of glacial Lake Agassiz. Lecture presentation to the glacial geology class, Northeastern Illinois University, Chicago, IL, November 4, 1996.
- Glacial Lake Agassiz: New insight into the dynamics of rapid climate change in the Northern Hemisphere. Indiana University-Purdue University, Fort Wayne, IN, November 11, 1996.

RESEARCH ACTIVITY

Research Grants

In preparation

National Science Foundation. Collaborative Research: Elucidating Coastal Dune Chronology and Triggers in the Lake Michigan basin,

In Review

National Science Foundation. P2C2. Collaborative Research: Late Glacial Droughts in Central North America,

Awarded

United States Geological Survey EDMAP (\$5662). Surficial Geology Mapping of the Delta, Ohio, 7.5 Minute Quadrangle (PI) co-PI D. Stierman, 05/01/11–04/30/12.

National Science Foundation (\$2,468,505) Graduate Teaching Fellows in STEM High School Education: An Environmental Science Learning Community at the Land-Lake Ecosystem Interface. Co-PI with PI Carol Stepien, Co-PI's Daryl Moorhead, Thomas Bridgeman, and Cyndee Gruden, all from UT, 15/01/08–04-30-13. DGE-0742395

U.S. Geological Survey (\$18,000) (P.I.) Determining the origin and dynamics of coastal processes of Sand Point at Pictured Rocks National Lakeshore, for 2007–2008.

U.S. Department of Agriculture (\$511,000) Function of a mitigation wetland at Maumee Bay State Park, Lucas County, Ohio. co-PI with Dwyer, D. (P.I.) and Co-PI D. Krantz, 2007–2008.

Comer Science and Education Foundation (\$22,000) Boulder sampling in northwestern Ontario. PI 2007

OBOR Research Challenge (\$4000) University of Toledo: Deglaciation chronology of the Des Moines Lobe – implications for ice sheet dynamics and climate change. PI. 2006.

EDMAP (\$11,400) co-PI. Surficial Geology of the Oak Openings Region, Whitehouse Quadrangle, Lucas County, Ohio. 2006–2007. co-PI with Martin-Hayden PI & Stierman, D. UT.

National Science Foundation (\$60,000) Co-PI. Collaborative Research: Deglaciation chronology of the Des Moines Lobe – implications for ice sheet dynamics and climate change, 2006–2007. With Thomas Lowell, University of Cincinnati.

Comer Science and Education Foundation (\$161,929) co-PI. Retreat of the southwestern and western margins of the Laurentide Ice Sheet and the volume of glacial Lake Agassiz. With Dr. Tom Lowell, U of Cincinnati, 2005–2007.

INQUA Project (\$3000) co-PI. Large-Scale Meltwater Processes & Products. With Dr. Andrew Russell, University of Newcastle on Tyne, England, 2004–2007.

Illinois-Indiana Sea Grant (\$119,983) PI. Reconstructing Low Lake Levels of Lake Michigan, 2004–2006.

Comer Science and Education Foundation (\$250,000) co-PI. Assessing a Possible Cause of Abrupt Climate Change: Timing of Glacial Lake Agassiz Drainage. With Dr. Tom Lowell, U of Cincinnati, 2004–2006.

National Science Foundation (\$230,000) PI. Elucidating both the northwest extent of glacial Lake Agassiz, and the northwest and south outlet chronologies, 1999–2002.

Indiana University, Research Project Initiation Expenses Grant (\$500) PI. Determining the time of eolian activity from sediment cores, near Grand Marais, MI, 1999.

Indiana University, Research Support Fund (\$14,500) PI. Micromorphology of glacial sediment: a technique to determine sediment genesis in glacial sedimentary environments, 1998.

Center for Earth and Environmental Research at IUPUI (\$2600) PI. Research Summer Faculty Fellowship, 1997.

National Geographic Society (\$17,240) PI. Determining the timing of Lake Agassiz's outlets by radiocarbon dating, 1996–97.

Indiana University Northwest (\$20,000) Summer Faculty Fellowship. For research conducted on glacial landforms in southern Michigan, 1995–98.

Indiana University Northwest (\$3400). Grant-in-Aid of Research. PI. Funds to support field work and research on glacial landforms in southern Michigan, 1996–98.

Indiana University, Intercampus Research Fund (\$9805) co-PI. Direct dating of deposits to determine the chronology and direction of drainage of glacial Lake Agassiz. With Dr. C. Souch, IUPUI, 1997–96.

Indiana University, Research Support Fund (\$16,000) PI. Abnormal glaciolacustrine sedimentation rates in glacial Lake Calgary caused by jökulhlaup style flooding from the Bow Valley Glacier approximately 12,000 years ago; and a reconnaissance survey along the Red River valley, ND, MN to examine glacial Lake Agassiz features and deposits, 1995.

Indiana University, Research Project Initiation Expenses Grant (\$500) PI. The Branch County drumlin field, southern Michigan, 1995.

Geological Society of America Research Grant (\$1300) Glacial Lake Agassiz: The N.W. outlet and paleoflood in northern Alberta and Saskatchewan, 1992.

Department of Indian and Northern Affairs 'Northern Science Training Grant'. (\$17,789) Glacial Lake Agassiz: The N.W. outlet and paleoflood in northern Alberta and Saskatchewan, 1990–92.

Thesis Research Grant, University of Calgary (\$1500) Glacial Lake Agassiz: the N.W. outlet and paleoflood in northern Alberta and Saskatchewan, 1990.

Publications (*student author)

In preparation:

- *Campbell, M., **Fisher, T.G.**, Sedimentology, stratigraphy, and chronology of the glacial Lake Maumee, Oak Opening barrier-spit, northwest Ohio, USA, for *Canadian Journal of Earth Sciences*
- *Austin, B., **Fisher, T.G.**, Krantz, D., Curry, B. Camp, M. Signals of climate change in Holocene-aged marl in Stony and Silver Lakes, Michigan, for the *Journal of Paleolimnology*.
- *Loope, H.M., **Fisher, T.G.**, Lowell, T.V. Stratigraphy and age of the Marks Moraine, northwestern Ontario, for *Canadian Journal of Earth Sciences*.
- *Baca, K., Fisher, T.G., Gottgens H. Temporally constrained sand signals in a young lake, Saugutuk, MI. GSA Special Paper XXX Coastline and Dune Evolution Along the Great Lakes (Eds. T.G. Fisher and E. Hansen)
- Loope, W.L., Jol, H.M., Fisher, T.G., Blewett, W.L., Loope, H.M., Legg, R.J. Latest Pleistocene and Early Holocene meltwater passage across eastern Upper Michigan, USA. GSA Special Paper XXX Coastline and Dune Evolution Along the Great Lakes (Eds. T.G. Fisher and E. Hansen)
- Fisher, T.G., *Castenda, M.R., Loope, W.L., Jol, H.M., Krantz, D.E., Goble, R., *Campbell, M.C., *DeWald, S., Hanson, P. GSA Special Paper XXX Coastline and Dune Evolution Along the Great Lakes (Eds. T.G. Fisher and E. Hansen)
- DeVries-Zimmerman, S., Hansen, E., Fisher, T.G., *Dean, S., *Hanes, B.E. Sand in sediment cores from small lakes in Lake Michigan coastal dune complexes: A proxy for dune growth and migration? GSA Special Paper XXX Coastline and Dune Evolution Along the Great Lakes (Eds. T.G. Fisher and E. Hansen)

In review:

- *Hanes, B.E., Fisher T.G., Becker, R.H. and Martin-Hayden, J. Elucidating paleo dune activity and timing from wetlands in the lee of coastal sand dunes, Grand Mere Lakes, Michigan USA. GSA Special Paper XXX Coastline and Dune Evolution Along the Great Lakes (Eds. T.G. Fisher and E. Hansen)
- Lepper, K., *Buell, A.W., Fisher, T.G., Lowell, T.V. A chronology for glacial Lake Agassiz shorelines along Upham's namesake transect. *Quaternary Research*
- Applegate, P.J., Lowell, T.V., Fisher, T.G., Lepper, K. Can enhanced evaporation explain a Younger Dryas-age low-water phase of glacial Lake Agassiz? *Quaternary Research*.

Accepted pending revisions & in press:

- Fisher, T.G.**, Lowell, T.V., and Waterson, N. Glacial geology and landforming events in the Fort McMurray region. In Ronaghan, B. (Ed) *Alberta's Lower Athabasca Plain*, University of Alberta Press.

Published, Peer-Reviewed Articles (*-student)

- 55. Loope, W. L., Loope, H. M., Goble, R. J., Fisher, T. G., Lytle, D. E., Legg, R. M., Wysocki, D. A., Hanson, P. R., and Young, A. R., 2012, Drought drove forest decline and dune building in eastern upper Michigan, USA, as the upper Great Lakes became closed basins: *Geology*, v. 40, no. 4, p. 315-318.
- 54. **Fisher, T.G.** and Lowell, T.V., 2012. Testing northwest drainage from Lake Agassiz using extant ice margin and strandline data. *Quaternary International*. 10.1016/j.quaint.2011.09.018
- 53. Breckenridge, A., Lowell, T. V., **Fisher, T. G.**, and Yu, S.-Y. 2012. A late Lake Minong transgression in the Lake Superior basin as documented by sediments from Fenton Lake, Ontario. *Journal of Paleolimnology* 47, 313-326.
- 52. Fisher, T. G., Weyer, K. A., Boudreau, A. M., Martin-Hayden, J. M., Krantz, D. E., and Breckenridge, A. 2012. Constraining Holocene lake levels and coastal dune activity in the Lake Michigan basin. *Journal of Paleolimnology* 47, 373-390.
- 51. **Fisher, T.G.**, Lepper, K., Ashworth, A.C. and Hobbs, H.C., 2011. Southern outlet and basin of glacial Lake Agassiz. In: Miller, J.D., Hudak, G.J., Wittkop, C. and McLaughlin, P.I. (Eds.), *Archean to Anthropocene: Field Guides to the Geology of the Mid-Continent of North America*, Geological Society of America Field Guide 24, pp. 379-400. Geological Society of America, Boulder, CO.
- 50. Lepper, K., *Gorz, K., **Fisher, T.G.**, Lowell, T.V. 2011. Age Determinations for Lake Agassiz Shorelines West of Fargo, North Dakota, U.S.A. *Canadian Journal of Earth Sciences* 48, 1199-1207.

49. *Campbell, M., **Fisher, T.G.**, Goble, R. 2011. Terrestrial sensitivity to abrupt climate changes recorded by aeolian activity in northwest Ohio, U.S.A. *Quaternary Research* 75, 411-416.
48. Breckenridge, A., Lowell, T.V., **Fisher, T.G.**, Yu, S. 2010. A late Minong transgression in the Lake Superior basin as documented by sediments from Fenton Lake, Ontario. *Journal of Paleolimnology*, DOI 10.1007/s10933-010-9447-z
47. *Loope, H.M., Loope, W.L., Goble, R.J., **Fisher, T.G.**, and Jol, H.M. 2010. Early Holocene dune building linked to meltwater-driven lowering of glacial Lake Minong in eastern Upper Michigan, USA. *Quaternary Research* 74(1) 73-81
46. Yu, S.-Y., Colman, S.M., Lowell, T.V., Milne, G.A., **Fisher, T.G.**, Breckenridge, A., Boyd, M. Teller, J.T. 2010. Freshwater outburst from Lake Superior as a trigger for the cold event 9300 years ago. *Science* V328, no 5983 pp. 1262-1266, DOI 10.1126/science.1187860
45. Hansen, E.C., **Fisher, T.G.**, Arbogast, A.F., Bateman, M. 2010. Geomorphic history of low perched, transgressive dune complexes along the southeastern shore of Lake Michigan. *Journal of Aeolian Research* 1: 111-127. doi:10.1016/j.aeolia.2009.08.001
44. Lowell, T.V. and **Fisher, T.G.** 2009. Reply to comments by Carlson et al., (2009) on "Radiocarbon deglaciation chronology of the Thunder Bay, Ontario area and implications for ice sheet retreat patterns" *Quaternary Science Reviews* 28: 2548-2550. doi:10.1016/j.quascirev.2009.06.022
43. Munro-Stasiuk, M.J., Shaw, J., **Fisher, T.G.** 2009. Chapter 6. Morphology of landforms created by subglacial megafloods. In: Burr, D.M., Carling P.A., and Baker, V.R. (Eds) *Megaflooding on Earth and Mars*. Cambridge University Press, New York. p. 78-103.
42. Kehew, A., Lord, M., Kozłowski, A. **Fisher, T.G.** 2009. Chapter 7. Proglacial megaflooding along the margins of the Laurentide Ice Sheet. In: Burr, D.M., Carling P.A., and Baker, V.R. (Eds) *Megaflooding on Earth and Mars*. Cambridge University Press, New York. p.104-127.
41. *Weller, M.B. and **Fisher, T.G.** 2009 Feasibility Study of Mapping Continuous Strandlines Along the Southeast Lake Agassiz Basin, *Journal of Maps*, v2009, 152-165. 10.4113/jom.2009.1056.
40. Lowell, T.V., **Fisher, T.G.**, Hajdas, I., Glover, K. *Loope, H.M. *Henry, T. 2009. Radiocarbon Deglaciation Chronology of the Thunder Bay, Ontario Area and Implications for Ice Sheet Retreat Patterns. *Quaternary Science Reviews* 28 (17-18): 1597-1607. DOI: 10.1016/j.quascirev.2009.02.025
39. **Fisher, T.G.**, *Waterson, N., Hajdas, I. Lowell, T.V. 2009. Deglaciation Ages and Meltwater Routing in the Fort McMurray Region, northeastern Alberta and northwestern Saskatchewan, Canada. *Quaternary Science Reviews* 28 (17-18) 1608-1624. DOI: 10.1016/j.quascirev.2009.02.003
38. **Fisher, T. G.**, Yansa, C. H., Lowell, T. V., Lepper, K., Hajdas, I., and Ashworth, A. C., 2008, The Chronology, Climate, and Confusion of the Moorhead Phase of Glacial Lake Agassiz: New Results from the Ojata Beach, North Dakota, U.S.A. *Quaternary Science Reviews*, v. 27, p. 1124-1135.
37. Yansa, C.H. **Fisher, T.G.** 2007. Absence of a Younger Dryas Signal along the Southern Shoreline of Glacial Lake Agassiz in North Dakota during the Moorhead Phase (12,600-11,200 CALYBP). *Current Research in the Pleistocene* 24: 24-28.
36. *Timmons, E.A., **Fisher, T.G.**, Hansen, E.C., *Eiasman, E., *Daly, T., and Kashgarian, M., 2007. Elucidating eolian dune history from lacustrine sand records in the Lake Michigan coastal zone, USA: *The Holocene* 17 (6): 789-801.
35. Lepper, K., **Fisher, T.G.**, Hajdas, I., and Lowell, T.V., 2007. Ages for the Big Stone moraine and the oldest beaches of glacial Lake Agassiz: Implications for deglaciation chronology: *Geology* 35 (7): 667-670.
34. **Fisher, T.G.**, Loope, W.L., Pierce, W.C., and Jol, H.M., 2007. Big lake records preserved in a little lake's sediment: an example from Silver Lake, Michigan, USA. In: Karrow, P. and Lewis, C.F.M. (Eds.) *The Greater and Lesser Great Lakes*, *Journal of Paleolimnology* 37: 365-382.
33. **Fisher, T.G.**, 2007. Abandonment chronology of glacial Lake Agassiz's northwestern outlet: In: Teller, J.T. and Lewis, C.F.M. (Eds.) *Late Quaternary North American meltwater and floods to the Atlantic Ocean: evidence and impacts*, *Palaeogeography, Palaeoclimatology, Palaeoecology* 246: 31-44.
32. **Fisher, T.G.**, Lowell, T.V. 2006. Questioning the age of the Moorhead Phase in the glacial Lake Agassiz basin. *Quaternary Science Reviews* 25: 2688-2691.

31. **Fisher, T.G.**, Lowell, T.V., and Loope, H.M., 2006, Comment on “Alternative routing of Lake Agassiz overflow during the Younger Dryas: new dates, paleotopography, and a re-evaluation” by Teller et al. (2005): *Quaternary Science Reviews* 25: 1137–1141.
30. **Fisher, T.G.** 2005. Strandline Analysis in the southern basin of glacial Lake Agassiz, Minnesota and North and South Dakota, USA: *Geological Society of America Bulletin* 117(11/12): 1481–1496.
29. **Fisher, T. G.**, and Loope, W. L., 2005. Aeolian sand preserved in Silver lake: A reliable signal of Holocene high stands of Lake Michigan: *The Holocene*, 15(7): 1072–1078.
28. Lowell, T.V., **Fisher, T.G.**, Comer, G., Hajdas, I., Waterson, N., Glover, K., Shafer, J., Rinterknecht, V., Broecker, W., Denton, G., Loope, H.M., and Teller, J.T., 2005. Testing the Lake Agassiz Meltwater Trigger for the Younger Dryas, *EOS Transactions*, 86(40): 365, 372.
27. **Fisher, T.G.**, Russell, A.J. 2005. Introduction to reassessing the role of meltwater processes during Quaternary glaciations, In: Fisher, T.G., and Russell, A.J. *Quaternary Science Reviews* 24: 2305–2307.
26. **Fisher, T.G.**, Jol, H.M., and Boudreau, A.M. 2005. Saginaw Lobe tunnel channels (Laurentide Ice Sheet) and ice recession style, south-central Michigan, USA, In: Fisher, T.G. and Russell, A.J. (Eds.) Reassessing the role of meltwater processes during Quaternary glaciations, *Quaternary Science Reviews* 24: 2375–2391.
25. Munro-Stasiuk, M.J., **Fisher, T.G.**, and Nitzsche, C.R. 2005. The origin of the western Lake Erie grooves, Ohio: implications for reconstructing the subglacial hydrology of the Great Lakes sector of the Laurentide Ice Sheet, In: Fisher, T.G. and Russell, A.J. (Eds.) Reassessing the role of meltwater processes during Quaternary glaciations, *Quaternary Science Reviews* 24: 2392–2409.
- 24 **Fisher, T.G.** 2004. River Warren Boulders: Paleoflow Indicators in the Southern Spillway of Glacial Lake Agassiz. *Boreas* 33: 349–358.
- 23 **Fisher, T.G.** 2004. Outburst Flooding. In: Goudie, A.S. (Ed.) *Encyclopedia of Geomorphology* Vol. 2 J–Z, Routledge, New York, 734–735.
- 22 **Fisher, T.G.** 2004. Vibracoring from Lake Ice with a Lightweight Monopod and Piston Coring Apparatus. *Journal of Paleolimnology* 31: 377–382.
- 21 **Fisher, T.G.**, and Loope, W.L. 2004. Lake-Level Variability within Silver Lake, Michigan: A Response to Fluctuations in Lake Levels of Lake Michigan. *Michigan Academician* 35: 373–385.
- 20 Loope, W.L., **Fisher, T.G.**, Jol, H.M., Goble, R.J., Anderton, J.B., Blewett, W.L. 2004. A Holocene History of Dune-Mediated Landscape Change Along the Southeastern Shore of Lake Superior. *Geomorphology* 61: 303–322.
- 19 **Fisher, T.G.**, Taylor, L.D. and Jol, H.M. 2003. Boulder-gravel hummocks and basal till wavy contacts: products of subglacial meltwater flow beneath the Saginaw Lobe, south-central Michigan, U.S.A. *Boreas* 32(2): 328–336.
- 18 **Fisher, T.G.** 2003. Chronology of glacial Lake Agassiz meltwater routed to the Gulf of Mexico. *Quaternary Research* 59(2):271–276.
- 17 **Fisher, T.G.** 2002. Geology of the Grand Calumet River Region. *Indiana Academy of Sciences* 108/109: 11–18.
- 16 **Fisher, T.G.**, Smith, D.G. and Andrews, J.T. 2002. Preboreal oscillation: North Atlantic cooling caused indirectly by a glacial Lake Agassiz flood, 11,300 years ago. *Quaternary Science Reviews* 21(8-9): 873–878.
- 15 **Fisher, T.G.**, Clague, J.J., and Teller, J.T. 2002. The role of outburst floods and glacial meltwater in subglacial and proglacial landform genesis. In: Fisher, T.G., Clague, J.J. and Teller, J.T. (Eds.) *The role of outburst floods and glacial meltwater in subglacial and proglacial landform genesis. Quaternary International* 90: 1–4.
- 14 **Fisher, T.G.** and Taylor, L.D. 2002. Stratigraphic evidence for subglacial flooding, south-central Michigan, USA. In: Fisher, T.G., Clague, J.J. and Teller, J.T. (Eds.) *The role of outburst floods and glacial meltwater in subglacial and proglacial landform genesis. Quaternary International* 90: 87–115.

- 13 Sjogren, D., **Fisher, T.G.**, Taylor L.D., Jol, H. M., and Munro-Stasiuk, M.J. 2002. Incipient tunnel channels, In: Fisher, T.G., Clague, J.J. and Teller, J.T. (Eds.) The role of outburst floods and glacial meltwater in subglacial and proglacial landform genesis. *Quaternary International* 90: 41–56.
- 12 **Fisher, T.G.** 1999. Sedimentology, stratigraphy, and geomorphology of glacial Lake Calgary at Cochrane, Alberta, Canada. *Canadian Journal of Earth Sciences* 36(5): 791–803.
- 11 **Fisher, T.G.** and Whitman, R.L. 1999. Deglacial and lake level fluctuation history in cores from Beaver Lake, P.R.N.L., Michigan. *Journal of Great Lakes Research* 25(2): 263–274.
- 10 **Fisher, T.G.** and Souch, C. 1998. Northwest outlet channels of Lake Agassiz, isostatic tilting and a migrating continental drainage divide, Saskatchewan, Canada. *Geomorphology* 25(1-2): 57–73.
- 9 **Fisher, T.G.** 1996. Sand-wedge and ventifact palaeoenvironmental indicators in northwest Saskatchewan, Canada, 11 ka to 9.9 ka BP. *Permafrost and Periglacial Processes* 7(4): 391–408.
- 8 Jol, H.M., Young, R., **Fisher, T.G.**, Smith, D.G. and Meyers, R. A. 1996. Ground penetrating radar of eskers, kame terraces, and moraines: Alberta and Saskatchewan, Canada. *Proceedings of the 6th International Conference of Ground Penetrating Radar (GPR'96)*, Sendai, Japan, 439–443.
- 7 **Fisher, T.G.**, Jol, H.M. and Smith, D.G. 1995. Ground penetrating radar used to assess aggregate in catastrophic flood deposits, N.E. Alberta, Canada. *Canadian Geotechnical Journal* 32: 871–879.
- 6 **Fisher, T.G.** and Smith, D.G. 1994. Glacial Lake Agassiz: its northwest maximum extent and outlet in Saskatchewan (Emerson Phase). *Quaternary Science Reviews* 13: 845–858.
- 5 **Fisher, T.G.** and Spooner, I. S., 1994. Subglacial and subaerial meltwater origins for drumlins near Morley, Alberta, Canada. *Sedimentary Geology* 91: 285–298.
- 4 **Fisher, T.G.** and Smith, D.G. 1993. Exploration for Pleistocene aggregate resources using process-depositional models in the Fort McMurray region, NE Alberta, Canada. *Quaternary International* 20: 71–80.
- 3 Smith, D.G. and **Fisher, T.G.**, 1993. Glacial Lake Agassiz: the northwest outlet and paleoflood. *Geology*. 21(1): 9–12.
- 2 **Fisher, T.G.** and Shaw J. 1992. A depositional model for rogen moraine, with examples from the Avalon Peninsula, Newfoundland. *Canadian Journal of Earth Sciences* 29(4): 669–686.
- 1 Evans, D.J.A. and **Fisher, T.G.** 1987. Evidence of a periodic ice-cliff avalanche on northwest Ellesmere Island, Canadian High Arctic. *Journal of Glaciology* 33: 68–73.

Edited Volumes

- Fisher, T.G.**, and Russell, A.J. 2005 (Editors) Reassessing the role of meltwater processes during Quaternary glaciations, *Quaternary Science Reviews* 24.
- Fisher, T.G.**, Clague, J.J. and Teller, J.T. 2002 (Editors) The role of outburst floods and glacial meltwater in subglacial and proglacial landform genesis. *Quaternary International* 90.

Miscellaneous (reviewed)

- Applegate, P., **Fisher, T.G.** 2010. Ancient perspectives on Arctic climate change and ice sheet dynamics: joint meeting of the APEX program and the MOCA project. *EOS* 91(47) 446-447.

Miscellaneous (not reviewed)

- Applegate, P., **Fisher, T.G.**, 2010. Project 0803: Meltwater routing and Ocean-Cryosphere-Atmosphere Response (MOCA) Joint Meeting of the Arctic Palaeoclimate and its Extremes (APEX) Program and the Meltwater routing and Ocean-Cryosphere-Atmosphere (MOCA) Project, Höfn, Iceland, 26–31 May 2010. *Quaternary Perspectives* 18(1) 5-6.

Guest Editorial

- Bergland, B.W., **Fisher, T.**, Foltz, T., and May, B. 2000. Guest Commentary: Undergraduate Research and Creativity at Indiana University Northwest. *Northwest Indiana Journal of Undergraduate Research* 2(1) p.iii.

Field Guide Books

- Fisher, T.G.**, Lepper, K., Ashworth, A.C. and Hobbs, H.C., 2011. Southern outlet and basin of glacial Lake Agassiz. In: Miller, J.D., Hudak, G.J., Wittkop, C. and McLaughlin, P.I. (Eds.), *Archean to Anthropocene: Field Guides to the Geology of the Mid-Continent of North America*, Geological Society of America Field Guide 24, pp. 379-400. Geological Society of America, Boulder, CO.
- Fisher, T.G.** 2002. Grand Sable Lake vibracoring. In Loope, W.L. and Anderton, J.B. *Deglaciation and Holocene Landscape evolution in Eastern Upper Michigan – 48th Midwest Friends of the Pleistocene field conference*, May 31– June 2, Grand Marais and Munising, MI.
- Smith D.G. and **Fisher T.G.** 1999. Glacial Lakes Kananaskis and Calgary. CANQUA – CGRG 1999 Meeting, Calgary, AB, Field Trip #4, 23p.
- Brown, S.E., **Fisher, T.G.**, Kehew, A.E., Taylor, L.D. 1999. Pleistocene geology of north-central Indiana and south-central Michigan. Guidebook for the 45th Midwest Friends of the Pleistocene Field Conference May 21–23, Goshen, IN. Indiana Geological Survey Open File Study 99-1, 68p.

Conference Presentations and Abstracts

* student author

2012 (10)

- Fisher, T.G., Meltwater Storage In Lake Agassiz; Volume, Delivery, And Timing. Geological Society of America annual meeting, Invited—Pardee Symposium, Charlotte, NC November 4–7, GSA Abstracts with Programs Vol. 44, No. 7
- Liu, X., Fisher, T.G., Lepper, K., Lowell, T.V., Using Lacustrine Sediment To Test The Evaporation Hypothesis For The Moorhead Low Water Phase Of Lake Agassiz. Geological Society of America annual meeting, Charlotte, NC November 4–7, GSA Abstracts with Programs Vol. 44, No. 7
- *Blockland, J. Fisher, T.G., Goble, R. Evaluating The Origin Of The "Washed" Lower Maumee Shoreline Of Ancestral Lake Erie Near Winameg, Ohio. Geological Society of America annual meeting, Charlotte, NC November 4–7, GSA Abstracts with Programs Vol. 44, No. 7
- Liu, X., Fisher, T.G., Lowell, T.V. 2012. Using Lacustrine Sediment To Test The Evaporation Hypothesis To Explain The Moorhead Low Phase Of Lake Agassiz, Program and Abstracts, American Quaternary Association Biannual Meeting, June 21–24, Duluth MN, p. 81
- Loope, W.L., Loope, H.M., Goble, R.J., Fisher, T.G., Lytle, D.E., Legg, R.J., Hanson, P.R., Young, A. 2012 Drought Drove Forest Decline And Dune Building In Eastern Upper Michigan As The Great Lakes Became Closed Basins Program and Abstracts, American Quaternary Association Biannual Meeting, June 21–24, Duluth MN, p. 84
- Lowell, T.V., Applegate, P.J., Fisher, T.G., Lepper, K. 2012 Can Evaporation Match Meltwater Input?: A Story To Be Told From The Lake Agassiz Basin, Program and Abstracts, American Quaternary Association Biannual Meeting, June 21–24, Duluth MN, p. 85
- *Blockland, J., Fisher, T.G. 2012. Glacial Sediment And Landform Mapping On The Delta, Oh 7.5' Topographic Map. North Central Geological Society of America Annual Meeting, April 23–24, Dayton, OH. GSA Abstracts with Programs Vol. 44, No. 5.
- *Baca, K. J., Fisher, T.G., Gottgens, J.F. 2012. Temporally Constrained Sand Signals And Their Relationship To Climatic Trends In Southwestern Michigan, USA. North Central Geological Society of America Annual Meeting, April 23–24, Dayton, OH. GSA Abstracts with Programs Vol. 44, No. 5.
- *Estifanos, B., *Siermer, K.W., *Blockland, J., *Zwijweski, K., *Ransford, S., Fisher, T.G., Krantz, D.E., Stierman, D.J. 2012. Evaluating The Genesis Of "Maumee II" Shoreline Near Wauseon, Ohio, USA. North Central Geological Society of America Annual Meeting, April 23–24, Dayton, OH. GSA Abstracts with Programs Vol. 44, No. 5.
- *Dewald, S., Fisher, T.G. 2012. Comparing Vibracore and Livingstone Coring Techniques. North Central Geological Society of America Annual Meeting, April 23–24, Dayton, OH. GSA Abstracts with Programs Vol. 44, No. 5.

2011 (11)

- Loope, W.L., Jol, H.M., **Fisher, T.G.**, Goble, R.J. 2011. Danaher, Michigan: A path of interbasin meltwater exchange during early Holocene transgressions of Lake Minong? The Moorhead low: the first prairie drought? Lowell, T.V., Fisher,

- T.G., Lepper, K., Applegate, P.J. Geological Society of America Annual Meeting, October 9–12, Minneapolis, MN Abstracts with Program, V 43 (5).
- Fisher, T.G.**, Lowell, T.V., Lepper, K. 2011. No-man's-land and the history of northwest drainage from glacial Lake Agassiz. Geological Society of America Annual Meeting, October 9–12, Minneapolis, MN Abstracts with Program, V 43 (5).
- Hansen, E.C., **Fisher, T.G.**, Devries-Zimmerman, S.J., *Hanes, B. 2011. Sand in sediment cores from small lakes in Lake Michigan coastal dune complexes: a proxy for dune growth and migration? Geological Society of America Annual Meeting, October 9–12, Minneapolis, MN Abstracts with Program, V 43 (5).
- Devries-Zimmerman, S.J., *Erber, N., Hansen E.C., **Fisher, T.G.** 20. Plant macrofossils and other paleoenvironmental indicators in an Allegan County, Michigan peat bog. Geological Society of America Annual Meeting, October 9–12, Minneapolis, MN Abstracts with Program, V 43 (5).
- Lepper, K., *Buell, A.W., **Fisher, T.G.**, Lowell, T.V. 2011. Searching for Warren Upham's pocket watch: a chronology for glacial Lake Agassiz upper shorelines along the namesake transect. Geological Society of America Annual Meeting, October 9–12, Minneapolis, MN Abstracts with Program, V 43 (5).
- Fisher, T.G.**, *Campbell, M., Goble, R.J. 2011. Terrestrial sensitivity to abrupt cooling recorded by aeolian dunes in northwest Ohio, U.S.A Geological Society of America Combined North-South Central Annual Meeting, Pittsburg, PA 20–22 March, Abstracts with Programs.
- *Anderson, B., **Fisher, T.G.**, Rhythmic sedimentation in ancestral Lake Erie: estimating duration above the Lake Warren level, NW Ohio. Geological Society of America Combined North-South Central Annual Meeting, Pittsburg, PA 20–22 March, Abstracts with Programs.
- *Traub, J., *Darmon, T., *Blockland, J., *Baca, K., *Brislaw, E., *Fang, M., Krantz, D., **Fisher, T.G.**, Stierman, D. Deducing the Evolution of Grand Mere Lakes, MI, by Geophysical Analysis. Geological Society of America Combined North-South Central Annual Meeting, Pittsburg, PA 20–22 March, Abstracts with Programs.
- Loope, W.L., Jol, H.M., **Fisher, T.G.**, Goble, R.J. Interbasin meltwater exchange across eastern upper Michigan immediately preceding the "9.3 ka event". Geological Society of America Combined North-South Central Annual Meeting, Pittsburg, PA 20–22 March, Abstracts with Programs.
- *Hanes, B., **Fisher, T.G.**, Eolian sand records paleoclimatic fluctuations during the mid- to late Holocene in the southern Lake Michigan basin. Geological Society of America Combined North-South Central Annual Meeting, Pittsburg, PA 20–22 March, Abstracts with Programs.
- Fisher, T.G.**, Lepper, K., Lowell, T. 2011. Constraining ice margin retreat rates with new strandline OSL ages in the Lake Agassiz basin XVIII. INQUA Congress Bern, Switzerland 2011

2010 (8)

- Loope, W.L., *Loope, J.M., Goble, R.J., **Fisher, T.G.**, Lytle, D.E., Legg, R.J., Wysocki, D.A. 2010. Massive dune building in interior eastern Upper Michigan USA is temporally correlated with the hydrologic closure of the upper Great Lakes, ~10.5-7.5 ka and spatially confined at 245 m asl. Geological Society of America Annual Meeting, Denver, CO, Abstracts with Programs Vol. 42, No. 5.
- Zimmerman, S.J., *Hazle, D.G., Hansen, E., **Fisher, T.G.** 2010 Paleoenvironmental indicators in a peat bog from Allegan County, Michigan Geological Society of America Annual Meeting, Denver, CO, Abstracts with Programs Vol. 42, No. 5.
- *Hanes, B.E., **Fisher, T.G.**, Paleo-storminess in the southern Lake Michigan basin, as recorded by eolian sand downwind of dunes. Geological Society of America Combined North-South Central Annual Meeting, Branson, MO 11-13 April, GSA Abstracts with Programs Vol. 42, No. 2 Poster
- *Hanes, B.E., *Anderson, B.G., *Banaszak, J.F., Krantz, D.E., Stierman, D.J., **Fisher, T.G.** Conceptual model for the formation of the Grand Mere Lakes region in Berrien County, southwestern Michigan. Geological Society of America Combined North-South Central Annual Meeting, Branson, MO 11-13 April, GSA Abstracts with Programs Vol. 42, No. 2 Poster
- Fisher, T.G.**, Hansen E.C. Storminess records from aeolian coastal dunes and adjacent lakes along the southeast shore of Lake Michigan. Geological Society of America Combined North-South Central Annual Meeting, Branson, MO 11-13 April, GSA Abstracts with Programs Vol. 42, No. 2 Poster
- *Banaszak, J.F., *Anderson, B.G., *Knapp, J.L., *White, T., *Hanes, B.E., Stierman, D.J., Krantz, D.E., **Fisher, T.G.**, Using geophysical investigations to test the conceptual model of the evolution of the grand mere lakes, southwestern Michigan. Geological Society of America Combined North-South Central Annual Meeting, Branson, MO 11-13 April, GSA Abstracts with Programs Vol. 42, No. 2 Poster
- Fisher, T.G.**, Lowell, T. Status Report on glacial Lake Agassiz. APEX/MOCA conference, Höfn, Iceland, May 26-30

Lowell, T.V., Fisher, T.G. Calibrating ice sheet models to glacial features: a proposal for the next generation, APEX/MOCA conference, Höfn, Iceland, May 26-30

2009 (14)

- Fisher, T.G.**, Hansen, E.C., Loope, W., Arbogast, A.F. Aeolian coastal dunes along the southeast shore of Lake Michigan: geomorphic history and paleoclimate recorders. CANQUA biannual meeting, Burnaby BC May 3–8.
- Hansen, E.C., **Fisher, T.G.**, and Björck, S., 2009. Quasi-periodic cycles in sand abundances in peat from a raised bog in Allegan County, Michigan: an indication of cycles in Great Lakes storminess? International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- Loope, W.L., Goble, R.J., Loope, H.M., and **Fisher, T.G.**, 2009. Mid-Holocene Dune Stabilization in Interior Eastern Upper Michigan: a response to biogeomorphic or physical agents? International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- *Campbell, M., **Fisher, T.G.**, Martin-Hayden, J., and Goble, R.J., 2009. The Evolution of the Lake Warren Coastline in the Oak Openings Region in Northwest Ohio, USA. International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- *Castaneda, M., **Fisher, T.G.**, Loope, W., and Goble, R.J., 2009. Determining the Age for the Sand Point Cuspate Foreland, Pictured Rocks National Lakeshore, Michigan, USA. International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- Krantz, D.E., *Norton, A.N., *Knapp, J.L., Spongberg, A.L., **Fisher, T.G.**, and Fuller, J.A., 2009. Upper Quaternary Stratigraphy and Post-Glacial History of Western Lake Erie. International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- Fisher, T.G.**, 2009. Glacial Evolution of the Great Lakes Region International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH. I
- Breckenridge, A.J., Lowell, T.V. **Fisher, T.G.** and Yu, S.Y. A 9,500 cal BP Rapid Lake Level Rise During the Lake Minong Phase of Lake Superior as Evidenced by Sediments from Fenton Lake, Ontario. International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- Lohner, R.N., Stepien, C.A., Moorhead, D.L., Bridgeman, T.B., **Fisher, T.G.**, and Gruden, C.L. Graduate Teaching Fellows in STEM High School Education: An Environmental Science Learning Community at the Land-Lake Ecosystem Interface. International Association of Great Lakes Research Annual Meeting, May 19–22, Toledo, OH.
- Loope, W.L., Goble, R.J., **Fisher, T.G.**, Jol, H.M., *Loope, H.M., Wysocki, D.A., Legg, R.J. Holocene Dune Stabilization In Interior Eastern Upper Michigan: Signals Of Climate-Sensitive Biogeomorphic Change Or Interbasin Meltwater Passage (Or Both)? Geological Society of America North Central Meeting, Rockford IL, April 2–3. Abstracts with Programs, Vol 41, No. 4, p. 23.
- Fisher, T.G.**, Digital Elevation Models of the Oak Openings Region, NW Ohio, SE Michigan. Midwest Oak Savanna and Woodland Conference, Lourdes College, Sylvania OH July 2009. Poster.
- Fisher, T.G.**, Hansen, E.. A Possible Proxy for Storminess along the Southern Great Lakes as revealed by the Geomorphic History of Lake Michigan Coastal Dunes Lake Michigan: State of the Lake and Great Lakes Beach Association Joint Conference, Milwaukee, WI 9/29–10/1.
- Fisher, T.G.**, Hansen, E.C., Björck, S.. Contrasting inland and coastal aeolian records in SW Michigan, USA: implications for triggers of dune mobility. Geological Society of America Annual Meeting, Portland OR 18-21 Oct. Poster
- Kelly, M.A., **Fisher, T.G.**, Lowell, T.V., Barnett, P.J., Schaefer, J.M., Schwatze, R. 10Be ages of glacial and meltwater features northwest of Lake Superior: a chronology of Laurentide Ice sheet deglaciation and eastward flooding from Glacial Lake Agassiz. American Geophysical Union, Annual Meeting, San Francisco, CA 14–18 Dec. Poster

2008 (11)

- Hansen, E. and **Fisher, T.G.** 2008. The effect of climate changes upon Lake Michigan coastal dunes: a possible proxy for storminess in the North American Great Lakes. 2nd Nordic Network of Palaeoclimatology (NEPAL) conference 25–27 September Höör, Sweden I, R, International
- Fisher, T.G.**, Lowell, T.V., Kelly, M.A., Lepper, K. 2008. The chronology of glacial Lake Agassiz Overflow. Program and Abstracts, p. 28–29. XX AMQUA Biennial Meeting, State College, PA June 5–7. Invited
- Lowell, T.V., Kelly, M.A., **Fisher, T.G.**, 2008. Deglaciation Chronology of the Southern Laurentide Ice Sheet, the Role of Ice Streams and Implications for Meltwater Routing. Program and Abstracts, p. 52–54. XX AMQUA Biennial Meeting, State College, PA June 5–7. Invited
- Colman, S.M., Yu, S., Lowell, T.V., **Fisher, T.G.** 2008. Freshwater Outbursts from Lake Superior as a Trigger for the Cold Event 9300 Years Ago, Program and Abstracts, p. 114–115. XX AMQUA Biennial Meeting, State College, PA June

5–7.

- Martin-Hayden, J. **Fisher, T.G.**, *Weyer, K. 2008. Temporal correction and spectral analysis of temporal sand signals from embayed lakes east of Lake Michigan. North central sectional meeting 24–25 April Geological Society of America Abstracts with Programs, Vol. 40, No. 5.
- Fisher, T.G.** 2008. Chronological status of glacial Lake Agassiz. North central sectional meeting 24–25 April Geological Society of America Abstracts with Programs, Vol. 40, No. 5.
- *Campbell, M. **Fisher, T.G.**, Krantz, D. Martin-Hayden, J. 2008. Using ground penetrating radar in the Oak Openings region of Ohio. North central sectional meeting 24–25 April Geological Society of America Abstracts with Programs, Vol. 40, No. 5.
- Krantz, D.E., Castaneda, M.R., *Fisher, J., and **Fisher, T.G.** 2008. Stratigraphy and sediment processes of Maumee Bay and the adjacent shoreline, western Lake Erie, Ohio. North central sectional meeting 24–25 April Geological Society of America Abstracts with Programs, Vol. 40, No. 5.
- Loope, W.L., Jol, H.M. **Fisher, T.G.**, Goble, R., *Loope, H.M., Wysocki, D.A., Legg, R.J. 2008. Use of OSL, GPR and GIS to constrain behavior of Lake Minong's water plane and paths of meltwater discharge across eastern upper Michigan, USA. North central sectional meeting 24–25 April Geological Society of America Abstracts with Programs, Vol. 40, No. 5.
- Kelly, M., **Fisher, T.G.**, Lowell, T.V., Barnett, P.J., Schwartz, R. 2008. ¹⁰Be dates of flood deposits west of Lake Nipigon: evidence for an early Holocene meltwater event. Northeast sectional meeting 27–29 March 2008 Geological Society of America Abstracts with Programs, Vol. 40, No. 2.
- Fisher, T.G.**, Lowell, T.V., and Lepper, K. 2008. Meltwater routing from glacial Lake Agassiz: validating the Moorhead phase but not its synchronicity with the Younger Dryas event. Northeast sectional meeting 27–29 March 2008 Geological Society of America Abstracts with Programs, Vol. 40, No. 2, p. 81.

2007 (21)

- Jol, H.M., *Comas, X., *Slater, L., **Fisher, T.G.**, *Reeve, A. 2007. Ground penetrating radar: a noninvasive, high resolution method for the development of facies models in eskers. National Meeting 28–31 October, Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 117.
- Loope, W.L., Goble, R.J., Jol, H.M., **Fisher, T.G.**, *Loope, H.M., Wysocki, D.A. Legg, R.J. 2007. Optical dating of the demise of Lake Minong reveals an early Holocene connection with Lake Chippewa across eastern Upper Michigan. USA National Meeting 28–31 October, Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 81.
- *Daly, T.A., **Fisher, T.G.**, Hansen, E.C. 2007. Evolution of small coastal dune lakes near Holland Michigan: clues from siliceous microfossils. National Meeting 28–31 October, Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 384.
- *Brisbin, A.M., *Thomason, C.J., **Fisher, T.G.**, Hansen, E.C. 2007. Evolution of small coastal dune lakes along the south eastern shore of Lake Michigan: clues from mineralogy. National Meeting 28–31 October, Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 384.
- Evries-Zimmerman, S. J., *Jongsma, K.A., **Fisher, T.G.**, *Dean, S.L., and Hansen, E.C. 2007. Pollen and sand in a small lake within a coastal dune complex: a search for proxies of dune growth and migration National Meeting 28–31 October, Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 383.
- Fisher, T.G.**, Kelly, M.A., Lowell, T.V., Barnett, P.J., Schaefer, J.M. 2007. One Eastward Flood: Glacial geomorphic context and chronology. Comer Climate Change Conference, Leeward Farm, Wisconsin September 13–14. Invited.
- Fisher, T.G.** 2007. The Lake Evolution II—The low phase of glacial Lake Agassiz. Comer Climate Change Conference, Leeward Farm, Wisconsin September 13–14. Invited
- Lowell, T.V., Kelly, M.A., **Fisher, T.G.**, *Waterson, N., Schwartz, R. 2007. The western lobes of the Laurentide Ice Sheet: meltwater contributions during the mystery interval. Comer Climate Change Conference, Leeward Farm, Wisconsin September 13–14. Invited
- Fisher, T.G.** 2007. Timing of meltwater routing through glacial lake Agassiz. ORMEN workshop, Bergen Norway. September 10–11. Invited.
- Fisher, T.G.**, Glacial evolution of the Great Lakes region. Plant Biology & Botany Joint Congress, Chicago, IL, July 7–11. Invited.
- Fisher, T.G.**, and Lowell, T.V. The uncertain relationship between glacial Lake Agassiz and the Younger Dryas event. 17th International Union for Quaternary Research Congress. Cairns, Australia, July 28–August 3.
- Fisher, T.G.**, and Lowell, T.G., *Waterson, N., Hadjas, I. Deglaciation Chronology of the southern Laurentide Ice Sheet and Implications for Meltwater Routing bracketing the Younger Dryas Event. American Geophysical Union 2007 Joint Assembly, Acapulco, Mexico May 22–25. Invited.

- Fisher, T.G.**, and Lowell, T.G., *Waterson, N., Hadjas, I. Deglaciation chronology of the glacial Lake Agassiz outlet regions and implications for meltwater routing bracketing the Younger Dryas event Program and Abstracts Canadian Quaternary Association Biennial Meeting, June 4–8, Ottawa, Ontario.
- Breckenridge, A., Lowell, T.V., **Fisher, T.G.** A post-Minong level transgression in Lake Superior recorded in Fenton Lake, Ontario Program and Abstracts Canadian Quaternary Association Biennial Meeting, June 4–8, Ottawa, Ontario.
- Hansen, E., **Fisher, T.G.** and Loope, W. Sensitivity of Coastal Dune Systems to Past Climate Change. International Association of Great Lakes Research May 28–June 1, University Park, Pennsylvania.
- *Timmons, E.A., **Fisher, T.**, Hansen, E. and Krantz, D. Geomorphic History of a Dune Complex along the Southeastern Shore of Lake Michigan. International Association of Great Lakes Research May 28–June 1, University Park, Pennsylvania.
- Fisher, T.G.**, *Weyer, K.A., Martin-Hayden, J.M. Paleo Lake Levels in the Lake Michigan Basin: 9500 to Present. International Association of Great Lakes Research May 28–June 1, University Park, Pennsylvania.
- *Gallant, T., Stierman, D.J., Dwyer, D., **Fisher, T.** Linking geophysical signatures to sediment properties in Lucas County, Ohio Joint South-Central and North-Central Sections of the Geological Society of America Annual Meeting, Lawrence Kansas, 11-13 April, GSA Abstracts with Programs Vol. 39, No. 3. **Awarded Outstanding Paper Award**
- *Henry, T., **Fisher, T.G.**, 2007. Sedimentation signatures in small rock-cored basins immediately following deglaciation in Northwest Ontario, Canada. Joint South-Central and North-Central Sections of the Geological Society of America Annual Meeting, Lawrence Kansas, 11-13 April, GSA Abstracts with Programs Vol. 39, No. 3.
- Fisher, T.G.**, Lepper, K., Yansa, C., Ashworth, A., Lowell, T.V., Hajdas, I. 2007. New results for the duration of the Moorhead Phase of glacial Lake Agassiz: The Redwood Loop Site, North Dakota. Joint South-Central and North-Central Sections of the Geological Society of America Annual Meeting, Lawrence Kansas, 11-13 April, GSA Abstracts with Programs Vol. 39, No. 3.
- *Weller, M.B., **Fisher, T.G.**, 2007. Feasibility study for mapping discontinuous strandlines in the glacial Lake Agassiz Basin, Joint South-Central and North-Central Sections of the Geological Society of America Annual Meeting, Lawrence Kansas, 11-13 April, GSA Abstracts with Programs Vol. 39, No. 3.
- 2006 (19)**
- Fisher, T.G.**, Dune sand in coastal lakes as a proxy for paleo lake-level change. Great Lakes Sand Dune Conference, Traverse City, MI Oct. 3-4.
- *Eisaman, E., *Daly, T., *Dean, S., *Timmons, E., Hansen, E., and **Fisher, T.G.** Clues in small lake sediments to histories of coastal dunes southwest of Holland, Michigan. Great Lakes Sand Dune Conference, Traverse City, MI Oct. 3-4.
- *Loope, H.M. **Fisher, T.G.**, Lowell, T.V., Hajdas, I. Glaciolacustrine sedimentation and chronology of the western Thunder Bay lowland, northwest Ontario. Geological Society of America Annual Meeting, Philadelphia, PN Oct 22-25. Abstracts with Programs Vol. 38, No. 7.
- Fisher, T.G.**, Lowell, T.V. Revisiting the age of the Moorhead phase of glacial Lake Agassiz. Geological Society of America Annual Meeting, Philadelphia, PN Oct 22-25. Abstracts with Programs Vol. 38, No. 7.
- *Dean, S., *Thomason, C., **Fisher, T.G.**, Hansen, E. Sedimentation patterns in a small coastal dune lake: fluvial versus aeolian inputs. Geological Society of America Annual Meeting, Philadelphia, PN Oct 22-25. Abstracts with Programs Vol. 38, No. 7.
- *Eisaman, E., *Daly, T., *Timmons, E., **Fisher, T.G.**, Hansen, E. Sand, diatoms, and pollen from a small coastal dune lake in southwestern Michigan: possible links with dune history. Geological Society of America Annual Meeting, Philadelphia, PN Oct 22-25. Abstracts with Programs Vol. 38, No. 7.
- *Thomason, C., *Johnson, E., Hansen, E., **Fisher, T.G.** Mineralogy and chemistry of sediments from a small coastal dune lake along the southwestern shore of Lake Michigan. Geological Society of America Annual Meeting, Philadelphia, PN Oct 22-25. Abstracts with Programs Vol. 38, No. 7.
- *Fussell, B., **Fisher, T.G.**, Camp, M., Curry, B.B., 2006. Reconstructing late Holocene paleoenvironments based on fauna and isotopes from two inland lakes on Michigan's west coast. North Central Geological Society of American annual regional meeting, Akron, OH, April 20-21. GSA Abstracts with Programs vol. 38 (4)
- *Henry, T., *Siefert, M., Krantz, D., **Fisher, T.G.**, 2006. Stratigraphic investigations into late glacial and Holocene events, oak openings region, NW Ohio. April 20-21. Akron, OH, GSA Abstracts with Programs vol. 38 (4)
- *Loope, H.M. **Fisher, T.G.**, Lowell, T.V. Hajdas, I., 2006. Glaciological and chronological constraints of Laurentide ice sheet occupation of the superior basin during the Younger Dryas. Akron, OH, April 20-21. GSA Abstracts with Programs vol. 38 (4)
- Fisher, T.G.**, Lowell, T.V., 2006. When was the Moorhead low-water phase of glacial Lake Agassiz? Akron, OH, April 20-21. GSA Abstracts with Programs vol. 38 (4)

- Lepper, K., *Gorz, K.L., **Fisher, T.G.**, 2006. Developing a depositional chronology for beach ridges in the southern Lake Agassiz basin. Akron, OH, April 20-21. GSA Abstracts with Programs vol. 38 (4)
- Loope, W.L., Jol, H.M. Goble, R.J. and **Fisher, T.G.**, 2006. Geomorphic, sedimentological and mineralogical signatures of early Holocene outbursts of Lake Agassiz in eastern Upper Michigan Akron, OH, April 20-21. GSA Abstracts with Programs vol. 38 (4)
- *Waterson, N. Lowell, T.V., **Fisher, T.G.**, Hajdas, I., 2006. The minimum problem in dating deglaciation: a strategy from the Fort McMurray area, Akron, OH, April 20-21. GSA Abstracts with Programs vol. 38 (4)
- *Fussell, B.L., Fisher, T.G., Camp, M.J., Curry, B.B. 2006. Reconstructing paleoenvironments of two inland lakes on Michigan's west coast. Annual Meeting of the Michigan Academy of Science Arts & Letters, March 3. Oakland University.
- Jol, H.M., Vanderburg, S., Smith, D.G., Peterson, C.D., Phipps J.B., Havholm, K.G., **Fisher, T.G.**, Loope, W.L. 2006. Coastal foredune genesis and growth: a ground penetrating radar perspective. Annual meeting of America Association of Geographers, Chicago, IL March 7-11.
- *Timmons, E., Hansen, E., **Fisher, T.G.** 2006. Chronology of eolian activity in a coastal dune complex near Holland. Annual meeting of America Association of Geographers, Chicago, IL March 7-11.
- *Molnar, M.A., *Lenon, T.R., *Johnson, S.R., Jol, H.M., Loope, W.L., Loope, H.M., **Fisher, T.G.** 2006. Ground penetrating radar investigations of the Tahquamenon River basin: preliminary results. Annual meeting of America Association of Geographers, Chicago, IL March 7-11 p. 316.
- Breckenridge, A., Lowell, T.V., **Fisher, T.G.** 2006. A revised stratigraphy from Fenton Lake, Ontario: evidence for northern drainage of Lake Superior prior to 9,000 cal BP (8.1 14C ka). 10th International Paleolimnology Symposium, Duluth, MN June 25-29.

2005 (24)

- Fisher, T.G.**, Lowell, T.V., Loope, H.M., Henry, T. Deglaciation in northwestern Ontario: implications for the beginning of the Moorhead Phase of glacial Lake Agassiz. Geological Society of America Annual Meeting, Abstracts with Programs Vol. 37 (7) Salt Lake City, UT, October 16-19.
- Loope, W.L., Goble, R.J., Jol, H.M., **Fisher, T.G.**, Loope, H.M., Whitney, G.D. Lake Minong and the Holocene history of the Tahquamenon River, northern Michigan USA. Geological Society of America Annual Meeting, Abstracts with Programs Vol. 37 (7) Salt Lake City, UT, October 16-19.
- *Waterson, N.J., Lowell, T.V., **Fisher, T.G.**, *Loope, H. Hadjas, I. The deglaciation chronology of the Fort McMurray area, Alberta: implications for meltwater drainage. Geological Society of America Annual Meeting, Abstracts with Programs Vol. 37 (7) Salt Lake City, UT, October 16-19.
- *Timmons, E., Hansen, E., **Fisher, T.G.**, *Eisman, E. *Daly, T. The record of dune growth and migration preserved in small lakes within a Lake Michigan coastal dune complex. Geological Society of America Annual Meeting, Abstracts with Programs Vol. 37 (7) Salt Lake City, UT, October 16-19.
- *Daly, T., *Eisaman, E., **Fisher, T.G.**, Hansen, E., Kashgarian, M., Timmons, E. Evolution of small back dune lakes along the Lake Michigan coast, Northern Allegan County, Michigan. Geological Society of America Annual Meeting, Abstracts with Programs Vol. 37 (7) Salt Lake City, UT, October 16-19.
- Fisher, T.G.**, Munro-Stasiuk, M.J. Two contrasting modes of glacial abrasion in NE Ohio, USA. International Conference on Glacial Sedimentary Processes and Products, University of Wales, Aberystwyth, August 22-27.
- *Waterson, N.J., Lowell, T.V., **Fisher T.G.**, *Glover, K. Hajdas, I. The deglaciation of the Fort McMurray area, Alberta: implications for melt-water drainage. Program and Abstracts Canadian Quaternary Association Biennial Meeting, June 5-8, Winnipeg, Manitoba. p. A102.
- Lowell, T.V., **Fisher T.G.** What if we had looked from space first? Using SRTM DEM data to generate alternative hypothesis for deglaciation of the Laurentide Ice Sheet. Program and Abstracts Canadian Quaternary Association Biennial Meeting, June 5-8, Winnipeg, Manitoba. p. A52.
- Fisher, T.G.**, Lowell, T.V., *Glover, K. and Hajdas I. A new deglacial chronology for the area west of Thunder Bay, Ontario, and its implications for a Moorhead phase eastern outlet of glacial Lake Agassiz. Program and Abstracts Canadian Quaternary Association Biennial Meeting, June 5-8, Winnipeg, Manitoba. P. A27.
- *Waterson, N.J., Lowell, T.V., **Fisher T.G.**, *Glover, K. Hajdas, I. The deglaciation and Holocene development of the Fort McMurray area, Alberta. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs. Vol. 37 (5) p. 9.
- Fisher, T.G.**, Lowell, T.V., *Glover, K. and Hajdas I. A later deglaciation of northwestern Ontario: Implications for eastern Lake Agassiz drainage. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs. Vol. 37 (5) p. 21.

- *Timmons, E., Hansen, E., and **Fisher T.G.** The record of eolian activity in the sediments from a small lake within a coastal dune complex, southeastern shore of Lake Michigan. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) p. 72.
- *Lahners, A.M. and **Fisher T.G.** Constraining the Nipissing transgression in the Michigan Basin. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) p. 7.
- *Weyer, K.A. and **Fisher T.G.** Eolian sand cycles in trapped embayments of Lake Michigan record climate fluctuations. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) p. 95.
- Stierman, D.J., *Mitchell, B.D., *Skubon, B.A., Krantz, D.E., Jol, H.M. and **Fisher, T.G.** Geophysical and GIS Investigations of the Oak Openings Sand Ridge in NW Ohio. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) p. 16.
- Jol, H.M., **Fisher, T.G.**, Loope, W.L., Smith, D.G., and Moore, L.J. GPR studies along the present and past coastlines of the Great Lakes. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) 7.
- *Treague, J.J., Jol, H.M., **Fisher, T.G.**, and *Freund, R.A. Three-dimensional subsurface GPR visualization for an archaeological site (Qumran, Israel) and a geomorphic site (Michigan). Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) p. 15.
- *Loope, H., *Lahners, A.M., *Bobak, D., Jol, H., Krantz, D., **Fisher, T.G.**, Pierce, W. Ground penetrating radar investigation of a barrier complex along the eastern shore of Lake Michigan. Geological Society of America North Central Meeting, Minneapolis, Minnesota. May 19-20, Abstracts with Programs Vol. 37 (5) p. 15.
- *Weyer, K.A., **Fisher, T.G.** Eolian sand in paludal and lacustrine sediments: a proxy for quasi-periodic climate fluctuations. International Association of Great Lakes Research, Ann Arbor, MI, May 23–27, p. 195.
- *Lahners, A.M., **Fisher, T.G.** Climate signals and the constraint of the Nipissing transgression in the Michigan Basin. International Association of Great Lakes Research, Ann Arbor, MI, May 23–27, p. 105. International V
- *Timmons, E., Hansen, E., and **Fisher, T.G.** Eolian deposition in a small lake within a Lake Michigan coastal dune complex. Michigan Academy of Arts Science & Letters. March 4–5.
- *Weyer, K.A., **Fisher, T.G.**, Loope, W.L. Eolian Sand in Lacustrine Sediments: A Proxy for Relative Water Levels of Lake Michigan, Michigan Academy of Arts Science & Letters. March 4–5.
- Fisher, T.G.** and Lowell, T.V. Deglaciation west of Thunder Bay, Ontario: a conundrum for eastern Lake Agassiz drainage. Geological Society of America, NE section meeting, Saratoga Springs New York, GSA Abstracts with Programs Vol. 37, (1) p. 5.
- Jol, H.M., **Fisher, T.G.**, Smith, D.G., and Loope, W.L. Ground penetrating radar of large lake basins or looking inside coastal deposits: A tribute to Donald R. Currey. Annual Meeting of the Association of American Geographers, Denver, Colorado, April 5-9, 2005. Abstract on CD-ROM

2004 (8)

- Fisher, T.G.**, *Lahners, A.M., *Weyer, K.A., Loope, W.L. A methodology for, and preliminary results of, constraining the Nipissing transgression in Lake Michigan. 47th Annual Conference of the International Association for Great Lake Research. May 24-28, Waterloo, Ontario, p. 43-44.
- *Weyer, K.A. and **Fisher, T.G.** Eolian sand in lacustrine sediments: a proxy for relative water levels of Lake Michigan. Geological Society of America Annual Meeting, GSA Abstracts with Programs Vol. 36 (5) p. 36, Denver, CO, November 7–10.
- Lowell, T.V., **Fisher, T.G.**, *Waterson, N.J., *Glover, K.C. Deglaciation of the Fort McMurray, Alberta, area: is it later than we think? Geological Society of America Annual Meeting GSA Abstracts with Programs Vol. 36 (5) p. 498, Denver, CO, November 7–10.
- Loope, W.L., Goble, R.J., **Fisher, T.G.**, Jol, H.M., *Loope, H.M., Regis, R.S. A dune-building signature of outbursts of glacial Lake Agassiz across eastern Upper Michigan Geological Society of America Annual Meeting GSA Abstracts with Programs Vol. 36 (5) p. 248, Denver, CO, November 7–10.
- Fisher, T.G.** The chronology and geomorphology of glacial Lake Agassiz's Outlets. 1st Annual Research Conference, Indiana University Northwest. November 11-12. p. 15.
- *Lahners A.M. and **Fisher T.G.** Constraint of the Nipissing Transgression. 1st Annual Research Conference, Indiana University Northwest. November 11-12. p. 19.
- *Weyer, K.A., **Fisher, T.G.** and Loope, W.L. Eolian sand in lacustrine sediments. 1st Annual Research Conference, Indiana University Northwest. November 11-12. p. 25.

V.R. Rinterknecht, V.R., Schaefer, J.M., Lowell, T., Denton, G.H., Teller, J.T., Broecker, W.S., **Fisher, T.G.**, and Kubik P.W. Cosmogenic Dating Evidence for the Routing of Lake Agassiz Overflow During the Younger Dryas American Geophysical Union Fall Meeting, San Francisco, CA, December 13-17.

2003 (10)

- Fisher, T.G.** Landform And Sedimentary Relationships Of Glacial Lake Agassiz Spillways. Geological Society of America Annual Meeting GSA Abstracts with Programs Vol. 35 (6) p. 387, Seattle WA, November 2–5.
- Fisher, T.G.** A Glaciofluvial Sedimentary Record Of Active Ice Termination In South-Central Michigan, USA Geological Society of America Annual Meeting GSA Abstracts with Programs Vol. 35 (6) p. 481, Seattle WA, November 2–5.
- Fisher, T.G.**, Loope, W.L., Jol, H.M. and Pierce, W.C. Big lake records preserved in a little lakes sediment: an example from Silver Lake Michigan, USA. XVI International Quaternary Association Congress, Reno, NV, July 23-30, p.182.
- Fisher, T.G.**, Jol, H.M. and *Lahners, A.M, Taylor, L.D. Evidence for high magnitude flows in tunnel channels, south-central Michigan, USA. XVI International Quaternary Association Congress, Reno, NV, July 23-30, p. 150.
- Fisher, T.G.**, Loope, W.L., Jol, H.M. and Pierce, W.C. Sand Percentage in Silver Lake Sediment Cores: A New Proxy for Lake-Level Fluctuations in Lake Michigan, 46th Annual Conference of the International Association for Great Lake Research. June 22-26, Chicago, IL, p. 225-226.
- Fisher, T.G.** The chronology and geomorphology of glacial Lake Agassiz's southern and northwestern outlets. Biannual Meeting of the Canadian Quaternary Association & Canadian Geomorphology Research Group, Halifax, NS June 8-12, p. A-32.
- Fisher, T.G.** and *Weyer, K.A. Lake Cores from the Northwestern Outlets of Glacial Lake Agassiz. Third International Limnogeology Congress, Tucson, AZ, March 29-April 2, p. 91-92.
- Fisher, T.G.** Chronology of the Northwestern Outlet Region of Glacial Lake Agassiz, North-Central Geological Society of America Annual Meeting, Kansas City, MO, March 24-25, p. 60.
- Loope, W.L., **Fisher, T.G.**, and Whitney, G.D. "Two-storied soils" and their relevance to Holocene landscape history in eastern Upper Michigan, North-Central Geological Society of America Annual Meeting, Kansas City, MO, March 24-25, p. 55.
- Fisher, T.G.**, Loope, W.L., Jol, H.M. and Pierce, W.C. Big lake records preserved in a little lakes sediment: an example from Silver Lake Michigan. Michigan Academy of Arts, Science and Letters Annual Meeting, Hope College, Holland, MI March 21-22.

2002 (6)

- Loope, W.L. Jol, H.M., Anderton, J.B., **Fisher, T.G.**, Goble, R.J. Holocene development and partial destruction of a massive barrier along the southeastern shore of Lake Superior. Geological Society of America Annual Meeting GSA Abstracts with Programs Vol. 34 (6) p. 274-5, Denver CO, October 27-30.
- Fisher, T.G.** A histogram analysis of strandlines at the southern outlet of glacial Lake Agassiz. Geological Society of America Annual Meeting GSA Abstracts with Programs Vol. 34 (6) p. 405, Denver CO, October 27-30.
- Yansa, C.H., Ashworth, A.C., and **Fisher, T.G.** Early Holocene plant and animal colonization of the southern basin of glacial Lake Agassiz. Conference on Great Lakes Research, International Association for Great Lake Research. June 2-6, Winnipeg Manitoba, p. 126.
- Fisher, T.G.** and *Rayburn, J. Glacial Lake Agassiz's Northwest Outlet: No longer a question of existence – just of duration. Conference on Great Lakes Research, International Association for Great Lake Research. June 2-6, Winnipeg Manitoba, p. 39.
- Fisher, T.G.** Recent chronological investigations of Lake Agassiz's southern outlet. Conference on Great Lakes Research, International Association for Great Lake Research. June 2-6, Winnipeg Manitoba, p. 38.
- *Schmitt, D., and **Fisher T.G.** Pre-Herman strandlines in the southwest corner of Lake Agassiz. Conference on Great Lakes Research, International Association for Great Lake Research. June 2-6, Winnipeg Manitoba, p. 107-8.

2001 (7)

- Fisher, T.G.** Lake Agassiz's strandline record adjacent to the south outlet. Geological Society of America Annual Meeting, Boston MA, November 5-8.
- Yansa, C.H. and **Fisher, T.G.** Early Holocene Vegetation History of the Southern Glacial Lake Agassiz Basin. American Association of Geographers Annual Meeting New York, NY, February 27 - March 3.
- *Schmitt, D. and **Fisher T.G.** Evidence for the Milnor Beach, an early Lake Agassiz shoreline in southeast North Dakota North-Central Geological Society of America Annual Meeting, Normal Illinois, April 23-24, p. A-3.
- Loope, W.L., Anderton, J.B., **Fisher, T.G.**, Jol, H.M., Blewett, W.L. Landscape signatures of late Holocene lake-level change along Lake Superior's southeastern shore Geological Society of America Annual Meeting, Normal Illinois, April 23-24, p. A-11.

- Fisher, T.G.**, Loope, W.L., *Fuller, A.P. A Nipissing transgression record from dune dammed Silver Lake, Little Sable Point, Lake Michigan Geological Society of America Annual Meeting, Normal Illinois, April 23-24, p. A-11.
- Fisher, T.G.**, Yansa, C.H. Chronology of Lake Agassiz's south outlet. Geological Society of America Annual Meeting, Normal Illinois, April 23-24, p. A-48.
- Fisher, T.G.**, Taylor, L.D., and *Neace, L.A. Hummocks, drumlins and channels, south-central Michigan, U.S.A. 6th Drumlin Symposium, Poland, June 18-23 p. 11-14.

2000 (3)

- Fisher, T.G.** Final abandonment of Lake Agassiz's south outlet at 10.7 ka BP, *In Abstracts with Programs Vol. 32 (7)*. Geological Society of America Annual Meeting, Reno, NV, November 13-16.
- Fisher T.G.** and Taylor, L.D. Boulder beds, a product of subglacial outburst flooding beneath Saginaw Bay ice, south-central Michigan. Invited Paper, *In Abstracts with Programs Vol. 32 (7)*. Geological Society of America Annual Meeting, Reno, NV, November 13-16.
- Loope, W.L. and **Fisher T.G.** A dune-damming framework for the study of near-shore inland lakes along Lake Michigan. *In Abstracts with Programs Vol. 32 (4)* p. A23-4. Geological Society of America Annual Meeting, North Central section, Indianapolis, IN, April 6-7.

1999 (5)

- Fisher T.G.** and Taylor, L.D. Subglacial processes inferred from boulder gravel, hummocks, and tunnel channels south central Michigan, USA. *In Abstracts with Programs Vol. 31 (7)* p. A257. Geological Society of America Annual Meeting, Denver, CO, October 25-28.
- Loope, W.L., Anderton, J.B., **Fisher, T.G.** Late Holocene dune-damming of a stream valley along Lake Superior. *In Abstracts with Programs Vol. 31 (7)* p. A231. Geological Society of America Annual Meeting, Denver, CO, October 25-28.
- Fisher T.G.** Stratigraphy and relative age of glacial Lake Calgary in the Cochrane, Alberta, area. Biannual Meeting of the Canadian Quaternary Association & Canadian Geomorphology Research Group, Calgary, AB August 23-27, p. 23.
- Fisher T.G.** Subglacial processes inferred from till, tunnel channels, drumlins and boulder beds, south central Michigan, USA. Biannual Meeting of the Canadian Quaternary Association & Canadian Geomorphology Research Group, Calgary, AB August 23-27, p. 22.
- Fisher T.G.** and Taylor, L.D. Tunnel channels and drumlins in South Central Michigan record a readvance over the Kalamazoo and Tekonsha Moraines. *In Abstracts with Programs Vol. 31 (5)* p. A15. Geological Society of America, Annual Meeting, Champaign, IL April 22-23.

1998 (3)

- Fisher, T.G.** An Analysis of Glacial Lake Calgary Sediments to Determine the Lake's Age, Cochrane, Alberta, Canada *In Abstracts with Programs Vol. 30 (7)* p. A387. Geological Society of America Annual Meeting, Toronto, ON, October 26-29.
- Fisher, T.G.** and Whitman, R.L. Deglacial And Lake Level Fluctuation Data From Interbedded Sand, Peat And Gytja In Beaver Lake Cores, P.R.N.L., Michigan. *In Abstracts with Programs Vol. 30 (2)* p. 17. Geological Society of America, Annual Meeting, North Central section, Columbus OH, March 19-20.
- Taylor, L.D., **Fisher, T.G.**, Jol, H.M. and Okraszewski, M.A. Stratigraphic Evidence For A Late Pleistocene Glacial Outburst Flood Sequence In South Central Michigan. *In Abstracts with Programs Vol. 30 (2)* p. 74. Geological Society of America, 32 Annual Meeting, North Central section, Columbus OH, March 19-20.

1997 (4)

- Fisher, T.G.** and Souch, C. NW Lake Agassiz Outlet Channels, Isostatic Tilting And Migrating Continental Drainage Divides, Geological Society of America, Annual Meeting, Salt Lake City, UT, Abstracts with Programs Vol. 29 (6) p. A111. October 20-23.
- Jol, H.M., Smith, D.G., *Meyers, R.A., Young, R. and **Fisher, T.G.** Ground penetrating radar of eskers, moraines and outwash plains. In Annual Meeting Abstracts, American Association of Geographers, Fort Worth, Texas, April 1-5.
- Fisher, T.G.** and Taylor, L.D. Subglacial Tunnel Valley Sedimentation, Saginaw Lobe, Michigan, Geological Society of America, North Central Annual Meeting, Madison WI, May 1-2.
- *Olejnik, J.J., **Fisher, T.G.** and Brown, S.E. Ice Marginal Sedimentation In A Pre-Glenwood Lake, Proximal Valparaiso Moraine, NW Indiana, Geological Society of America, North Central Annual Meeting, Madison WI, May 1-2.

1996 (3)

- Smith, D.G. and **Fisher, T.G.** Termination of the Younger Dryas: The northwest outlet flood of Lake Agassiz causal mechanism. *In Programme and Abstracts, Geological Society of America. Annual Meeting, Denver, Oct. 28-31, p. A110.*

- Fisher, T.G.** . Paleoclimatic significance of sand-wedges and ventifacts in Northwest Saskatchewan, Canada. Geological Association of Canada - Mineralogical Association of Canada, Joint Annual Meeting, May 27-29 1996, Winnipeg, Canada.
- Smith, D.G. and **Fisher, T.G.** Hypothesis for the abrupt termination of the Younger Dryas cold period: the northwest outlet flood from glacial Lake Agassiz triggering mechanism. Geological Association of Canada - Mineralogical Association of Canada, Joint Annual Meeting, May 27-29, 1996, Winnipeg, Canada.
- 1995 (2)**
- Taylor, L.D. and **Fisher, T.G.** Origin of the Northern Branch County drumlin field. Fifth International Drumlin Symposium and INQUA Commission on Formation and Properties of Glacial Deposits, Berlin, Germany, XIV INQUA Congress.
- Fisher, T.G.** Sand wedges and ventifacts as paleoclimatic indicators in northwest Saskatchewan, Canada. In Annual Meeting Abstracts, American Association of Geographers, Chicago, Illinois, March 14-18.
- 1994 (3)**
- Fisher, T.G.** and Spooner, I.S. Subglacial meltwater origin and subaerial meltwater modifications of drumlins near Morley, Alberta, Canada. *In* Programme and Abstracts, Geological Society of America. Annual Meeting, Seattle, WA Oct. 24-27.
- Smith, D.G., *Molnar, T.M., and **Fisher T.G.** Fluvial valley-fill sequences in Holocene lacustrine transgressive systems: examples analogous to low tidally influenced marine systems?, *In* SEPM Research Conference, Long Beach, WA, USA. July 10-14.
- Fisher, T.G.** and Smith, D.G. The Northwest outlet of Glacial Lake Agassiz and the Clearwater spillway, *In* Programme and Abstracts, Western Division of the Canadian Association of Geographers Annual Meeting, Kamloops, B.C. March 11, 12.
- 1993 (3)**
- Fisher, T.G.** and Smith, D.G. Glacial Lake Agassiz: Its Northwest Outlet and Paleoflood, 9900 BP, *In* Programme and Abstracts, IGCP - 253 "Termination of the Pleistocene" meeting, Winnipeg, Manitoba, June 26-28.
- Fisher, T.G.** and Smith, D.G. Pleistocene aggregate resources of the Clearwater-Lower Athabasca spillway, NW Saskatchewan and NE Alberta, *In* Programme and Abstracts, CANQUA Quaternary Association Biennial Meeting, Victoria, British Columbia, April 18-21, p. A14.
- Fisher, T.G.** Glacial Lake McMurray, northeastern Alberta, Geological Association of Canada Annual Meeting, *In* Program and Abstracts, Edmonton, Alberta, May 17-19, pp A-30.
- 1992 (3)**
- Fisher, T.G.** and Smith, D.G. Glacial Lake Agassiz: the northwest outlet and paleoflood. *In* Programme and Abstracts, Geological Society of America Annual Meeting, Cincinnati, Oct. 26-29.
- Fisher, T.G.** and Shaw, J. A depositional model for Rogen moraine. *In* Programme and Abstracts, Fourth International Drumlin Symposium and INQUA Commission on Formation and Properties of Glacial Deposits. University of Ulster, Northern Ireland, July 5-6.
- Fisher, T.G.** and Spooner, I. S. Subglacial and subaerial meltwater origins for drumlins near Morley, Alberta, Canada. *In* Programme and Abstracts, Fourth International Drumlin Symposium and INQUA Commission on Formation and Properties of Glacial Deposits. University of Ulster, Northern Ireland, July 5-6.
- 1990 (2)**
- Fisher, T.G.** and Shaw, J. A depositional model for Rogen moraine: Examples from Newfoundland and Quebec. *In* Program with Abstracts, Geological Association of Canada Annual Meeting, Vancouver, B.C., 15, p. A 40.
- Fisher, T.G.** Rogen and hummocky moraine transitions: Indicators of subglacial processes. *In* Programs and Abstracts of the 1990 Annual Meeting of the Canadian Association of Geographers, Edmonton, Alberta. p. 110.
- 1980's (7)**
- Fisher, T.G.** 1989. The genesis of Rogen moraine from the District of Keewatin and the Avalon Peninsula, Newfoundland. *In* Programs and Abstracts of the 18th Annual Arctic Workshop, University of Lethbridge, Alberta.
- Fisher, T.G.** 1989. The morphology and formation of Rogen moraine from three separate ice domes in Canada. *In* Programs and Abstracts of the Canadian Association of Geographers Annual Meeting, Université du Québec, à Chicoutimi, Chicoutimi, Québec, p. 75.
- Fisher, T.G.** 1988. The recycling of debris in the glaciers of N.W. Ellesmere Island. *In* Programs and Abstracts of the Canadian Association of Geographers Annual Meeting, Saint Mary's University, Halifax, Nova Scotia.
- Fisher, T.G.** 1987. The importance of the glacio-fluvial system to debris entrainment of the sub-polar glaciers of Phillips Inlet. *In* Programs and Abstracts of the XVI Arctic workshop, Edmonton Alberta pp. 40-41.

- Perras, M.M., **Fisher, T.G.** and Bouzek, R.B. 1987. Glacial sedimentology of a gravel pit near Edmonton, Alberta. *In* Schedule of Events and Abstracts, Western Canadian Association of Geographers Conference, Simon Fraser University, Burnaby, British Columbia, p. 36.
- Fisher, T.G.** 1987. Sediment size analysis of debris concentrations in the sub-polar glaciers of Phillips Inlet. *In* Schedule of Events and Abstracts, Western Canadian Association of Geographers Conference, Simon Fraser University, Burnaby, British Columbia p. 24.
- Fisher, T.G.** and Evans, D.J.A. 1986. Observations on debris transport on "cold-based" glaciers: Phillips Inlet, N.W. Ellesmere Island. *In* Jackson, E.L. (Ed.) Current Research by Western Canadian Geographers: The University of Alberta Papers, Abstract p. 173.