Link to NYGS Publications

New York State Geological Survey
Great Lakes Geologic Mapping Coalition Publications
Updated
March 2020

2018

Bird, B. C., Kehew, A. E., and Kozlowski, A. L., 2018, Glaciotectonic deformation along the Valparaiso Upland in southwest Michigan, *in* Kehew, A. E., and Curry, B. B., eds., Quaternary glaciation of the Great Lakes region–process, landforms, sediments, and chronology: Geological Society of America Special Paper 530, p. 139–161, doi: 10.1130/2018.2530(07).

Feranec, R. S., and Kozlowski, A. L., 2018, Onset age of deglaciation following the Last Glacial Maximum in New York State based on radiocarbon ages of mammalian megafauna, *in* Kehew, A. E., and Curry, B. B., eds., Quaternary glaciation of the Great Lakes region–process, landforms, sediments, and chronology: Geological Society of America Special Paper 530, p. 179–189, doi: 10.1130/2017.2530(09).

Kozlowski, A. L., Bird, B. C., Lowell, T. V., Smith, C. A., Feranec, R. S., and Graham, B. L., 2018, Minimum age of the Mapleton, Tully, and Labrador Hollow Moraines indicates correlation with the Port Huron Phase in central New York State, *in* Kehew, A. E., and Curry, B. B., eds., Quaternary glaciation of the Great Lakes region–process, landforms, sediments, and chronology: Geological Society of America Special Paper 530, p. 191–216, doi: 10.1130/2018.2530(10).

Kozlowski, A. L., Bird, Brian, Mahan, S. A., Feranec, R. S., and Leone, James, 2018, Glacial geologic mapping in Cayuga County, New York–footprint to framework, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 39–40.

Kozlowski, A. L., Bird, Brian, Mahan, Shannon, Feranec, Robert, Teal, Chelsea, and Leone, James, 2018, Glacial Lake Nanette–a middle Wisconsin (MIS 4 – 3) proglacial lake in the Cayuga Basin, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 41.

Porreca, Charles, Briner, J. P., and Kozlowski, A. L., 2018, Laurentide Ice Sheet meltwater routing along the Iro-Mohawk River, eastern New York, USA: Geomorphology 303, p. 155–161, accessed March 4, 2020, at URL https://www.sciencedirect.com/journal/geomorphology/vol/303/suppl/C, doi: 10.1016/j.geomorph.2017.12.001

2017

Kozlowski, A. L., Bird, Brian, Mahan, S. A., Feranec, R. S., and Leone, James, 2017, Surficial geologic mapping of the Union Springs quadrangle, New York–an example of the unbeknownst societal need for 3D geologic mapping: Geological Society of America Abstracts with Programs, v. 49, no. 2, accessed February 11, 2020, at URL https://gsa.confex.com/gsa/2017NE/webprogram/Paper291650.html, doi: 10.1130/abs/2017NE-291650.

2016

Berg, R. C., Brown, S. E., Thomason, J. F., Hasenmueller, N. R., Letsinger, S. L., Kincare, K. A., Esch, J. M., Kehew, A. E., Thorleifson, L. H., Kozlowski, A. L., Bird, B. C., Pavey, R. R., Bajc, A. F., Burt, A. K., Fleeger, G. M., and Carson, E. C., 2016, A multiagency and multijurisdictional approach to mapping the glacial deposits of the Great Lakes region in three dimensions, *in* Wessel, G. R., and Greenberg, J. K., eds., Geoscience for the Public Good and Global Development: Toward a Sustainable Future: Geological Society of America Special Paper 520, p. 415–447, accessed February 27, 2020, at URL https://doi.org/10.1130/2016.2520(000).

Feranec, R. S., and Kozlowski, A. L., 2016, Implications of a Bayesian radiocarbon calibration of colonization ages for mammalian megafauna in glaciated New York State after the Last Glacial Maximum: Quaternary Research, v. 85, no. 2, p. 262–270, accessed February 11, 2020, at URL https://dx.doi.org/10.1016/j.yqres.2016.01.003.

Kozlowski, Andrew, Mahan, S. A., Bird, Brian, and Feranec, R. S., 2016, A proposed time-stratigraphic paradigm for late Quaternary events in the central Finger Lakes of New York State: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed February 11, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275515.html, doi: 10.1130/abs/2016NC-275515.

2015

Hopkins, N. R., Evenson, E. B., Kodama, K. P., and Kozlowski, Andrew, 2015, An anisotropy of magnetic susceptibility (AMS) investigation of the till fabric of drumlins–support for an accretionary origin: Boreas, v. 45, no. 1, p. 100–108, Boreas website, accessed February 11, 2020, at URL https://dx.doi.org/10.1111/bor.12138.

Kehew, A. E., Esch, J. M., Linker, J. S., Kozlowski, A. L., Woolever, Caleb, Ewald, S. K., Guzman, Ivan, and Karki, Sita, 2015, A new geologic map for Barry County, Michigan: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 120; Geological Society of America Web page, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper260233.html.

Kozlowski, A., 2015, Mapping and materials: Material Matters, Spring issue, p. 20–21, Mapping and Materials websitehttp://www.nxtbook.com/naylor/NCMB/NCMB0115/index.php#/20.

Kozlowski, Andrew, and Bird, Brian, 2015, The Mapleton Moraine–a probable Port Huron equivalent in New York's Finger Lakes: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 3; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper256182.html.

Rayburn, J. A., De Simone, D. J., Staley, A. E., Mahan, S. A., and Stone, B. D., 2015, Age of an ice dammed lake on the lee side of the Catskill Mountains, New York, and rough estimates for the rate of ice advance to the Last Glacial Maximum: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 713; Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper268684.html.

Sherrod, L. A., Kozlowski, Andrew, Bird, Brian, Blewett, William, Drzyzga, Scott, Musa, Dea, Schlosser, Kenneth, and Swiontek, J. P., 2015, Improving glacial geology maps and interpretations through geophysics: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 182; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper263906.html.

2014

Bird, B. C., and Kozlowski, A. L., 2014, Late Quaternary reconstruction of Lake Iroquois in the Ontario Basin of New York: New York State Museum Map & Chart 80, The University of the State of New York, Albany, New York, scale 1:750,000.

Bird, B. C., and Kozlowski, A. L., 2014, Surficial geology of the Auburn quadrangle, New York: New York State Museum Map & Chart 82, The University of the State of New York, Albany, New York, scale: 1:24,000.

Bird, B. C., and Kozlowski, A. L., 2014, Surficial geology of the Fair Haven quadrangle, New York: New York State Museum Map & Chart 83, The University of the State of New York, Albany, New York, scale 1:24,000.

Bird, B. C., and Kozlowski, A. L., 2014, Surficial geology of the Lyons quadrangle, Wayne County, New York: New York State Museum Map & Chart 79, The University of the State of New York, Albany, New York, scale 1:24,000.

Bird, B. C., and Kozlowski, A. L., 2014, Surficial geology of the Weedsport quadrangle, New York: New York State Museum Map & Chart 84, The University of the State of New York, Albany, New York, scale 1:24,000.

Bird, B. C., and Kozlowski, A. L., 2014, Using LiDAR to reconstruct glacial lakes in Cayuga County, New York: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 71; Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper236506.html.

Bird, B. C., Kozlowski, A. L., Graham, B. L., and Wiant, J. C., 2014, Great Gully–the need for detailed stratigraphy, sedimentology, and structural analysis to support glacial chronology: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 45; Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper236497.html.

Clift, A. D., Graham, B. L., and Kozlowski, A. L., 2014, Geologic characterization of the Champlain Hudson Power Express: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 70; Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper236451.html.

Feranec, R. S., Franzi, D. A., and Kozlowski, A. L., 2014, A new record of ringed seal (*Pusa hispida*) from the Late Pleistocene Champlain Sea and comments on its age and paleoenvironment: Journal of Vertebrate Paleontology, v. 34, no. 1, p. 230–235.

Graham, B. L., Clift, A. D., Kozlowski, A. L., and Bird, Brian, 2014, Keene Valley, NY surficial geologic map of the Adirondacks High Peaks Region: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 108, Geological Society of America webpage, accessed March 4, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper236454.html.

Hopkins, N. R., Evenson, E. B., Kodama, K. P., and Kozlowski, A. L., 2014, Anisotropy of magnetic susceptibility till fabrics and the accretionary origin of drumlins in New York State: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 342, Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper246669.html.

Hopkins, N. R., Evenson, E. B., Kodama, K. P., and Kozlowski, A. L., 2014, Subglacial sediment transport and drumlin genesis–insights from anisotropy of magnetic susceptibility till fabrics: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 342, Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper235913.html.

Kozlowski, A. L., and Bird, Brian, 2014, LiDAR and landscapes–examples and strategies applied for geologic mapping investigations in New York State: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 113, Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper236653.html.

Kozlowski, A. L., and Graham, B. L., eds., 2014, Glacial geology of Cayuga County of the Eastern Finger Lakes–lakes, lore and landforms: Guidebook for the 77th Annual Reunion of the Northeastern Friends of the Pleistocene Meeting, Auburn, New York, 140 p.

Kozlowski, A. L., and Graham, B. L., eds., 2014, Glacial geology of Cayuga County of the Eastern Finger Lakes–lakes, lore and landforms: Guidebook for the 2014 New York State Museum Earth Science Teachers Workshop Meeting, Auburn, New York, 100 p.

Kozlowski, A. L., Bird, Brian, Mahan, Shannon, Graham, B. L., and Wiant, J. C., 2014, Great Gully revisited–new constraints on the glacial chronology of the central New York Finger Lakes: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 45, Geological Society of America webpage, accessed March 4, 2020, at URL, https://gsa.confex.com/gsa/2014NE/webprogram/Paper236476.html.

Kozlowski, A. L., Leone, J., and Bird, B. C., 2014, Surficial geology of the Genoa quadrangle, New York: New York State Museum Map & Chart 85, The University of the State of New York, Albany, New York, scale 1:24,000.

Kozlowski, A. L., Leone, J., and Bird, B. C., 2014, Surficial geology of the Scipio Center quadrangle, New York: New York State Museum Map & Chart 86, The University of the State of New York, Albany, New York, scale 1:24,000.

Sherrod, Laura, Schlosser, Kenneth, Kozlowski, Andrew, Bird, Brian, Werkema, D. D., Jr., and Swiontek, Jarred, 2014, Geophysical characterization of the Keene Valley landslide in New York State: Journal of Environmental and Engineering Geophysics, v. 19, no. 3, p. 139–155, accessed March 4, 2020, at URL https://doi.org/10.2113/JEEG19.3.139.

Wiant, J. C., Kozlowski, A. L., Darling, R. S., Bird, Brian, and Graham, B. L., 2014, Clay mineral investigation of glacial till in Great Gully, Cayuga County, New York: Geological Society of America Abstracts with Programs, v. 46, no. 2, p. 52, Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2014NE/webprogram/Paper236285.html.

2013

Kehew, A. E., Kozlowski, A. L., Bird, B.C., and Esch, J. M., 2013, Contrasting terrains of the Lake Michigan and Saginaw Lobes of the Laurentide Ice Sheet in southern Michigan, *in* Gillespie, R., ed., Insights into the Michigan Basin–salt deposits, impact structure, youngest basin bedrock, glacial geomorphpology, dune complexes, and coastal bluff stability: Geological Society of America Field Trip Guide 31, p. 15–36.

Kozlowski, A. L., and Bird, Brian, 2013, Glacial geologic mapping of the Montezuma Wetlands Complex in central, NY–developing 3D geologic frameworks to resolve hydrostratigraphic and glacial chronologic problems: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 19, Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218782.html.

2012

Hopkins, N. R., Evenson, E. B., Kodama, K. P., Kozlowski, A. L., and Gentoso, Matt, 2012, The evolution of till fabrics and their implications for subglacial deformation and landform genesis: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 92, Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper211800.html.

2011

Bird, Brian, and Kozlowski, A. L., 2011, A reexamination of meltwater routing in central New York: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 519, Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2011AM/webprogram/Paper197653.html.

Bird, B. C., and Kozlowski, A. L., 2011, Surficial geology of the Victory quadrangle, New York: New York State Museum Map & Chart 76, The University of the State of New York, Albany, New York, scale 1:24,000.

Carey, C. J. B., Arnold, E. G., De Simone, D. J., Kozlowski, A. L., and Rayburn, J. A., 2011, Surficial geology of a critical reach in the Warner Creek, Phonecia, NY, and its potential impact on New York City's drinking water supply: Geological Society of America Abstracts with Programs, v. 43, no. 1, p. 130; Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2011NE/webprogram/Paper185857.html.

Evenson, Edward, Gentoso, Matt, Kodama, Kenneth, Iverson, Neal, Alley, R. B., Berti, Claudio, and Kozlowski, A. L., 2011, Exploring till bed kinematics using AMS magnetic fabrics and pebble fabrics–north central, New York: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 217, Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2011AM/webprogram/Paper192538.html.

Kozlowski, A. L., and Bird, B. C., 2011, Surficial geology of the Montezuma quadrangle, New York: New York State Museum Map & Chart 77, The University of the State of New York, Albany, New York, scale 1:24,000.

Kozlowski, A. L., and Bird, B. C., 2011, Surficial geology of the Savannah quadrangle, New York: New York State Museum Map & Chart 78, The University of the State of New York, Albany, New York, scale 1:24,000.

Kozlowski, A. L., and Bird, B. C., 2011, Surficial geology of the Unionville quadrangle, New York: New York State Museum Map & Chart 75, The University of the State of New York, Albany, New York, scale 1:24,000.

Kozlowski, A. L., Bird, Brian, and Kehew, Alan, 2011, Subglacial land system evolution–insights from northern Cayuga County New York: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 176; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2011AM/webprogram/Paper198013.html.

Kozlowski, A. L., Smith, C. A., Krumdieck, N. W., and Stefanik, Paul, 2011, Glacial land systems and stratigraphy of the Montezuma Wetlands Complex–implications for late Quaternary meltwater discharge events in central New York: Geological Society of America Abstracts with Programs, v. 43, no. 1, p. 58; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2011NE/webprogram/Paper186457.html.

2010

Kozlowski, A. L., Smith, C. A., Krumdieck, N. W., and Kappel, William, 2010, You can see the forest through the trees–LiDAR & glacial land systems, examples from Cayuga County, New York: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 277; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2010AM/webprogram/Paper179271.html.

Smith, C. A., Kozlowski, A. L., Stefanik, Paul, and Davis, Dan, 2010, Three-dimensional surficial geologic mapping, Shandaken quadrangle, Catskill Mountains, New York: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 276; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2010AM/webprogram/Paper176231.html.

2009

Kehew, A. E., Esch, J. M., Ewald, S. K., and Kozlowski, A. L., 2009, Constraints on aquifer occurrence in tunnel channels, Saginaw Lobe, Michigan: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 213; Geological Society of America webpage, accessed February 12, 2020, at URL https://gsa.confex.com/gsa/2009AM/webprogram/Paper164191.html.

Kozlowski, A. L., Bird, B. C., Smith, C. A., Krumdieck, N. W., and Stefanik, Paul, 2009, Lakes, shear & multiple tills–an example of a complex ice marginal position in the eastern Catskills: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 641; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2009AM/webprogram/Paper163265.html.

Krumdieck, N. W., Kozlowski, A. L., and Kappel, William, 2009, Younger Dryas buried peat horizon in the Montezuma Wetlands Complex, central New York–implications for landscape evolution and deglacial chronology: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 641; Geological Society of America webpage, accessed March 4, 2020, at URL https://gsa.confex.com/gsa/2009AM/webprogram/Paper163269.html.

Selected Glacial and Quaternary Geology Publications

Cadwell, D. H., 1991, Surficial geologic map of New York. Consists of 5 sheets, 1:250,000: Finger Lakes Sheet, 1986; Hudson-Mohawk Sheet, 1987; Niagara Sheet, 1988; Lower Hudson Sheet, 1989; Adirondack Sheet, 1991: New York State Museum Map and Chart Series No. 40, 5 maps, scale 1:250,000.

Cadwell, D. H., ed., 1986, The Wisconsinan Stage of the First Geological District, eastern New York: New York State Museum Bulletin 455, 191 p.

Connally, G. G., 1973, Surficial geology of the Glens Falls Region, New York: New York State Museum Map and Chart Series No. 23, scale 1:48,000.

LaFleur, R., 1966, Glacial geology of Troy, New York, Quadrangle: New York State Museum Map and Chart Series No. 7, 22 p., scale 1:31,680.

Muller, E. H., 1977, Quaternary geology of New York, Niagara Sheet: New York State Museum Map and Chart Series No. 28, scale 1:250,000 map.

Rich, J. L., 1935, Glacial geology of the Catskills: New York State Museum Bulletin 299, 180 p., 2 mapshttp://www.nysm.nysed.gov/pubsforsale/detail.cfm?pubID=4789.

Stewart, D. P., 1958, Pleistocene geology of the Watertown and Sackets Harbor quadrangles, New York: New York State Museum Bulletin 369, 79 p., 1 maphttp://www.nysm.nysed.gov/pubsforsale/detail.cfm?pubID=4851.

Waller, R. M., Hanson, E. L., and Dineen, R. J., 1983, Bedrock topography and glacial deposits of the Colonie Channel between Saratoga Lake and Coeymans, New York with a section by R. M. Waller: Ground-water potential of the Capital District buried-valley deposits: New York State Museum Map and Chart Series No. 37, 6 p., scale 1:48,000.

Woodworth, J. B., 1905, Pleistocene geology of Mooers quadrangle–being a portion of Clinton County, including parts of the towns of Mooers, Champlain, Altona, Chazy, Dannemora, and Beekmantown, New York: New York State Museum Bulletin 83, 60 p., 1 map.