

Link to USGS Publications

U.S. Geological Survey Great Lakes Geologic Mapping Coalition Publications Updated March 2020

In Preparation

- Kincare, K. A., in digitization, Surficial geologic map of the Udell quadrangle, Manistee County, Michigan: U.S. Geological Survey Open-File Report 2014-___, scale 1:24,000.
- Kincare, K. A., in digitization, Surficial geologic map of the Star Corners quadrangle, Manistee County, Michigan: U.S. Geological Survey Open-File Report 2014-___, scale 1:24,000.
- Kincare, K. A., in preparation, Surficial geologic map of the Stewart Lake quadrangle, Lake County, Michigan: U.S. Geological Survey Open-File Report 2012- , scale 1:24,000.
- Kincare, K. A., in review, Surficial geologic map of the Wellston NE quadrangle, Manistee, Wexford and Lake Counties, Michigan: U.S. Geological Survey Open-File Report 2011- , scale 1:24,000.
- Kincare, K. A., in preparation, Surficial geologic map of the Wellston quadrangle, Manistee, Wexford and Lake Counties, Michigan: U.S. Geological Survey Open-File Report 2012-___, scale 1:24,000.
- Kincare, K. A., in review, Surficial geologic map of the Yuma quadrangle, Manistee and Wexford Counties, Michigan: U.S. Geological Survey Open-File Report 2010-___, scale 1:24,000.

2018

- Kincare, Kevin, 2018, Glacial geology of Leelanau County, Michigan, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 38.
- Stone, B. D., Kincare, K. A., and Estabrook, J. R., 2018, The surficial geologic map and geodatabase of Berrien County MI, subsurface verifications, and innovative cut-away three-dimensional time slices, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 84–85.

- Kincare, K. A., 2017, The glaciodeltaic origin of the Lake Border moraine in Wexford County, MI: Michigan Academy of Science, March 17, 2017, Kalamazoo, Michigan.
- Stone, B. D., Kincare, K. A., O'Leary, D. W., Newell, W. L., Taylor, E. M., Williams, V. S., Lundstrom, S. C., Abraham, J. E., and Powers, M. H., 2017, Surficial geologic map of Berrien County, Michigan, and the adjacent offshore area of Lake Michigan: U.S. Geological Survey Scientific Investigations Map 3383, 2 sheets, scale 1:50,000, and 49 p. pamphlet, accessed February 27, 2020, at URL https://doi.org/10.3133/sim3383.

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).

2015

- Kincare, K. A., 2015, The stratigraphy of the Lake Border Moraine in Wexford County, Michigan: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 3; Geological Society of America webpage, date accessed February 27, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255105.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 November 20, 2015, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper268684.html.
- Schaetzl, Randall, Luehmann, M. D., Peter, Brad, Connallon, Chris, Smidt, S. J., Liu, Wei, Kincare, K. A., Walkowiak, Toni, Thorlund, Elin, and Holler, Marie, 2015, Spatial and textural analyses of soils confirm loess mantle on the outwash plains of southwestern Michigan: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 21; Geological Society of America webpage, accessed March 4, 2020, at URL

https://gsa.confex.com/gsa/2015NC/webprogram/Paper254615.html.

2013

- Kincare, K. A., 2013, A high-level proglacial lake in Wexford County, Michigan, and its significance for the boundary of the Lake Border moraine in northwest lower Michigan: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 19; Geological Society of America webpage, accessed January 10, 2014, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218539.html.
- Luehmann, M. D., Schaetzl, Randall, Lusch, David, Larson, Grahame, Kincare, K. A., and Arbogast, A. F., 2013, Distribution and characteristics of late Wisconsin deltas in southern Michigan, USA: Geological Society of America Abstracts with Programs, v. 45, no. 7, p. 117; Geological Society of America webpage, accessed March 3, 2020, at URL

https://gsa.confex.com/gsa/2013AM/webprogram/Paper230921.html.

- Kincare, K. A. and Schaetzl, R. J., 2012, Ice-marginal positions of the Lake Michigan glacial lobe in northwest lower Michigan: Michigan Academician, v. 42, no. 3, p. 201.
- Kincare, K. A., and Schaetzl, R. J., 2012, The significance of glaciodeltaic deposits along the crest of the Lake Border Moraine, northwestern lower Michigan: Geological Society of America Abstracts with Programs, v. 44, no. 5, p. 26; Geological Society of America webpage, accessed January 11, 2013, at URL https://gsa.confex.com/gsa/2012NC/webprogram/Paper202939.html.

Kincare, K. A., and Esch, J., 2011, Surficial geologic map of the South Lyon 7.5 minute quadrangle: Michigan Geological Survey Surficial Geologic Map Series SGM-09-01, scale 1:24,000.

2009

- Kincare, K. A., 2009, The Slagle delta–field evidence for a previously unrecognized proglacial lake and its relationship to Glacial Lake Chicago: Michigan Academician, V. 39, no. 4, p. 296.
- Kincare, K. A., 2009, Glacial Lake Mesick—a previously unrecognized proglacial lake associated with the Port Huron stadial: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 71; Geological Society of America webpage, accessed March 3, 2009, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156098.html.
- Kincare, K. A., and Larson, G. J., 2009, Geologic evolution of the Great Lakes, *in* Schaetzl, R. J., Darden, J. T., and Brandt, D., eds., Michigan Geography and Geology: Boston, Massachusetts, Pearson Custom Publishers, p. 174–190.
- Larson G. J., and Kincare, K. A., 2009, Late Quaternary history of the eastern Mid-Continent region, USA, *in* Schaetzl, R. J., Darden, J. T., and Brandt, D., eds., Michigan Geography and Geology: Boston, Massachusetts, Pearson Custom Publishers, p. 69–90.

2008

- Central Great Lakes Geologic Mapping Coalition, 2008, Central Great Lake Geologic Mapping Coalition Brochure: Central Great Lakes Geologic Mapping Coalition Information Sheet, 4 p.
- Kincare, K. A., 2008, New geologic map-based correlation of glacial landforms in southeastern Livingston County, Michigan: Michigan Academician, v. 38, no. 4, p. 60–61.
- Kincare, K. A., Newell, W. L., Brown, S. E., and Stone, B. D., 2008, Interpretation of glacial deposits at drainage-basin scale for use in ground-water modeling: Geological Society of America Abstracts with Programs, v. 40, no. 5, p. 79; Geological Society of America webpage, accessed December 11, 2008, at URL https://gsa.confex.com/gsa/2008NC/webprogram/Paper138078.html.

2007

Kincare, K. A., 2007, Glacial geology of the Leelanau Peninsula, Michigan: American Institute of Professional Geologists Annual Meeting, Field Trip Guidebook Series, 45 p.

- Brown, S. E., Newell, W. L., Stone, B. D., Kincare, K. A., and O'Leary, D. W., 2006, New regional correlation of glacial events and processes in the interlobate area of southern Michigan and northern Indiana after the last glacial maximum (LGM): Geological Society of America Abstracts with Programs, v. 38, no. 4, p. 58; Geological Society of America webpage, accessed February 27, 2020, at URL https://gsa.confex.com/gsa/2006NC/webprogram/Paper103189.html.
- Stone, B. D., 2006, 3-D stratigraphic and facies models of the glacial aquifer system of Berrien County, southwestern Michigan: Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 108; Geological Society of America webpage, accessed December 10, 2008, at URL https://gsa.confex.com/gsa/2006AM/webprogram/Paper115655.html.

Stone, B. D., Kincare, Kevin, O'Leary, D. W., Newell, W. L., and Abraham, Jared, 2006, 3-D geologic map and digital database of Berrien County, southwestern Michigan: Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 164; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2006AM/webprogram/Paper116275.html.

2004

Central Great Lakes Geologic Mapping Coalition, 2004, The Central Great Lakes Geologic Mapping Coalition: Great Lakes Geologic Mapping Coalition Webpage.

2003

- Kincare, K. A., Stone, B. D., and Newell, W. L., 2003, Recent mapping of the Valparaiso Moraine in Berrien County, Michigan, and its significance for ground-water development: 48th Annual Midwest Ground Water Conference, Western Michigan University, Kalamazoo, Michigan, Abstracts with Program, p. 5.
- Stone, B. D., Kincare, K. A., O'Leary, D. W., Lundstrom, S. C., Taylor, E. M., and Brown, S. E., 2003, Glacial and postglacial geology of the Berrien County region of Michigan: 49th Midwest Friends of the Pleistocene Field Conference, Benton Harbor, Michigan, May 16–18, 2003, 70 p.

2002

- Stone, B. D., Kincare K. A., and O'Leary, D. W., 2002, Glacial geology mapping in Berrien County, Michigan: Resolving the third dimension for increasing the accuracy of resource assessment: Three-Dimensional Geological Mapping for Groundwater Applications Extended Abstracts, Geological Survey of Canada Open-File 1449, p. 67–70.
- Stone, B. D., Kincare, K. A., Newell, W. L., and Richey, K., 2002, Water-well and geophysical data used in 3-D modeling of glaciodeltaic deposits in Berrien County, Michigan: Abstract, National Groundwater Association Annual Meeting, Chicago, Illinois.

- Kincare, K. A., Stone, B. D., and Newell, W. L., 2001, Using the fluvial-lacustrine interface in a glaciodeltaic deposit to redefine the Valparaiso Moraine in Berrien County, Michigan, USA, *in* Mason, J. A., Diffendal, R. F., and Joeckel, R. M., eds., Fluvial Sedimentology: 7th International Conference on Fluvial Sedimentology, University of Nebraska Conservation and Survey Division Open-File Report, p. 156.
- Lundstrom, S. C., Williams, V. S., Stone, B. D., and Kincare, K. A., 2001, Contrasting records and new interpretations of the Valparaiso and Lake Border morainic systems in Berrien County, Michigan: Geological Society of America Abstracts with Programs, v. 33, no. 4, p. 18; Geological Society of America webpage, accessed, February 28, 2020, at URL https://gsa.confex.com/gsa/2001NC/webprogram/Paper5244.html.
- Stone, B. D., 2001, Surficial geologic map of Berrien County, Michigan: U.S. Geological Survey Open-File Report 01–0156; U.S. Geological Survey webpage, accessed December 2, 2008, at URL https://pubs.usgs.gov/of/2001/ofr-01-0156/.

Stone, B. D., Kincare, K. A., and Newell, W. L., 2001, Glaciodeltaic origin of the Valparaiso Moraine in Berrien County, Michigan: Geological Society of America Abstracts with Programs, v. 33, no. 4, p. 18; Geological Society of America webpage, February 28, 2020, at URL https://gsa.confex.com/gsa/2001NC/webprogram/Paper5685.html.

1999

- Berg, R. C., Bleuer, N. K., Jones, B. E., Kincare, K. A., Pavey, R. R., and Stone, B. D., 1999, Mapping the glacial geology of the Central Great Lakes Region in three dimensions—a model for state-federal cooperation: U.S. Geological Survey Open-File Report 99-349, 40 p.; U.S. Geological Survey webpage, http://pubs.usgs.gov/pdf/of/ofr99349/, date accessed, December 2, 2008.
- Central Great Lakes Geologic Mapping Coalition, 1999, Sustainable growth in America's heartland—3-D geologic maps as the foundation: U.S. Geological Survey Circular 1190, 17 p.; U.S. Geological Survey webpage, accessed December 2, 2008, at URL http://pubs.usgs.gov/circ/c1190/c1190-72.pdf.
- Central Great Lakes Geologic Mapping Coalition, 1999, The Central Great Lakes Geologic Mapping Coalition: U.S. Geological Survey Fact Sheet 153-99, 2 p.; U.S. Geological Survey webpage, accessed December 2, 2008, at URL http://pubs.usgs.gov/fs/fs153-99/fs153-99.pdf.
- Stone, B. D., Newell, W. L., and Koteff, C., 1999, The morphosequence concept and its application in new detailed mapping studies in the central Great Lakes region: Geological Society of America Abstracts with Programs, v. 31, no. 5, p. 74.
- Stone, B. D., Newell, W. L., and Koteff, C., 1999, The USGS role and opportunities in the Central Great Lakes Geologic Mapping Coalition: Geological Society of America Abstracts with Programs, v. 31, no. 5, p. 74.

1997

Newell, W. L., and Stone, B. D., 1997, U.S. Geological Survey 1997 surficial geologic mapping school ("surfschool"); field mapping exercises in Berrien County, Michigan: Geological Society of America Abstracts with Programs, v. 29, no. 6, p. 39.

1996

Stone, B. D., Pavey, R. R., and Fuller, J. A., 1996, Surficial materials, bedrock surface topography, and coastal erosion in the eastern half of the Lake Erie coastal area, Lorain, Cuyahoga, Lake, and Ashtabula Counties, Ohio: U.S. Geological Survey Open-File Report 96-0507, p. 40–43.

- Pavey, R. R., Stone, B. D., and Bruno, P. W., 1995, Coastal lithologies of the Perry quadrangle, Lake County, Ohio: U.S. Geological Survey Open-File Report 95-0224, p. 42–49.
- Stone, B. D., Pavey, R. R., and Bruno, P. W., 1995, Surficial materials and erosion in the coastal area of the North Kingsville 7.5' quadrangle, Ashtabula County, Ohio: U.S. Geological Survey Open-File Report 95-0224, p. 51–58.
- Stone, B. D., and Shideler, G. L., 1995, Glacially modified bedrock-surface topography and overlying surficial geologic materials in the western Lake Erie coastal area, northwestern Ohio and southeastern Michigan: U.S. Geological Survey Open-File Report 95-0224, p. 59–62.