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2019

Borgetti, A. J., and Malone, D. H., 2019, Detrital zircon geochronology of late Wisconsin glacial erratics from western Indiana–implications for provenance and lobe: Geological Society of America Abstracts with Programs, v. 51, no. 2, accessed December 5, 2019, at URL https://gsa.confex.com/gsa/2019SC/meetingapp.cgi/Paper/327768, doi: 10.1130/abs/2019SC-327768.

Curry, B. B., Kohl, Barry, and Miller, M. A., 2019, From source to sink, Late Devonian algal cysts (*Tasmanites*) delivered to the Gulf of Mexico during the last glaciation–part II, the source: Geological Society of America Abstracts with Programs, v. 51, no. 2, accessed December 5, 2019, at URL https://gsa.confex.com/gsa/2019SC/meetingapp.cgi/Paper/327482, doi: 10.1130/abs/2019SC-327482.

Dendy, S. N., Guenthner, W. R., Grimley, D. A., Conroy, J. L., and Counts, R. C., 2019, Detrital-zircon geochronology and provenance of Quaternary loess in central North America: Geological Society of America Abstracts with Programs, v. 51, no. 5, accessed December 5, 2019, at URL https://gsa.confex.com/gsa/2019AM/meetingapp.cgi/Paper/337314, doi: 10.1130/abs/2019AM-337314.

Ismail, Ahmed, and Stumpf, A. J., 2019, Towards enhanced implementation of the high-resolution seismic techniques in geological and hydrogeological mapping: Geological Society of America Abstracts with Programs, v. 51, no. 2, accessed December 5, 2019, at URL https://gsa.confex.com/gsa/2019SC/meetingapp.cgi/Paper/327684, doi: 10.1130/abs/2019SC-327684.

Kehew, Alan, Esch, John, Curry, B. B., Huot, Sebastien, and Yellich, John, 2019, Late Wisconsin meltwater routing in a large embayment along the southern margin of the Laurentide Ice Sheet in Michigan, USA: 20th Congress of the International Union for Quaternary Research (INQUA), P-1851, accessed December 5, 2019, at URL https://app.oxfordabstracts.com/events/574/program-app/submission/94217.

Kohl, Barry, Curry, B. B., and Miller, M. A., 2019, From source to sink, Late Devonian algal cysts (*Tasmanites*) delivered to the Gulf of Mexico during the last glaciation–part I, the sink: Geological Society of America Abstracts with Programs, v. 51, no. 2, accessed December 5, 2019, at URL https://gsa.confex.com/gsa/2019SC/meetingapp.cgi/Paper/327605, doi: 10.1130/abs/2019SC-327605.

Loope, H. M., Lowell, T. V., Curry, B. B., and Antinao, J. L., 2019, Chronology of Laurentide Ice Sheet (Huron-Erie Lobe) fluctuations surrounding the Last Glacial Maximum, Indiana, USA: 20th Congress of the International Union for Quaternary Research (INQUA), P-2454, accessed December 5, 2019, at URL https://app.oxfordabstracts.com/events/574/program-app/submission/94395.

Phillips, A. C., Grimley, D. A., McGuire, M. P., William, R., Shen, J., Stillwell, A. S., Szocinski, Piotr, and Clark, A. J., 2019, Surficial geologic mapping for green infrastructure siting and suitability, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2019 Abstracts: Minnesota Geological Survey Open-File Report 19-1, p. 71–72.

2018

Berg, R. C., 2018, Urban geological mapping–pushing the frontiers of science below parks, concrete, industry, businesses, and residences, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 Abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 11.

Caron, O. J., and Curry, B. B., 2018, Genesis and minimum ages of ice-marginal lakes and ice-walled lakes plains on the Valparaiso Morainic System in Will County, Illinois (USA): Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed March 7, 2018, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313005, doi: 10.1130/abs/2018NC-313005.

Caron, O., Curry, B., and Thomason, J., 2018, Field trip based on extensive mapping efforts in Will and Cook County, Illinois, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 18.

Conroy, J. L., Karamperidou, Christina, Grimley, D. A., and Guenthner, W. R., 2018, Westerly winds across the North American mid-continent during the Last Glacial Maximum–a new data-model assessment: Geological Society of America Abstracts with Programs, v. 50, no. 6, accessed October 5, 2018, at URL https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Paper/317688, doi: 10.1130/abs/2018AM-317688.

Curry, Brandon, 2018, A well-organized radiocarbon age database and its utilities, *in* Thorleifson, L. H., ed., Geologic Mapping Forum 2018 abstracts: Minnesota Geological Survey Open-File Report 18-1, p. 20–21.

Curry, B. B., Caron, O. J., and Thomason, J. F., 2018, The Quaternary geology of the southern Chicago metropolitan area–the Chicago outlet, morainic systems, glacial chronology, and Kankakee Torrent, *in* Florea, L. J., ed., Ancient oceans, orogenic uplifts, and glacial ice–geologic crossroads in America's heartland: Geological Society of America Field Guide 51, p. 237–244.

Curry, B. B., Kim, J. C., and Dorale, J. A., 2018, OSL confirmation of wiggle-matched U-series-tuned δ13C speleothem record with pollen assemblages of the last interglacial to glacial transition, central Illinois, USA: Geological Society of America Abstracts with Programs, v. 50, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Paper/324629, doi: 10.1130/abs/2018AM-324629.

Curry, B. B., Lowell, T. V., Wang, Hong, and Anderson, A. C., 2018, Revised time-distance diagram for the Lake Michigan Lobe, Michigan Subepisode, Wisconsin Episode, Illinois, USA, *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. 69–101, doi: 10.1130/2018.2530(04).

Curry, B. B., Wang, Hong, Lowell, T. V., Bates, Benjamin, Norris, Nathaniel, and Conroy, J. L., 2018, Last glacial loess deposition in central Illinois abruptly slows at CA. 18,750 cal yr BP in response to the Kankakee Torrent: Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313119, doi: 10.1130/abs/2018NC-313119.

Grimley, D. A., Lebel, Caitlin, Dendy, Sarah, Conroy, J. L., and Loope, H. M., 2018, Paleoenvironmental and paleoclimate inferences from gastropod assemblages in last glacial loess–Illinois, Indiana, and Kentucky: Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313010, doi: 10.1130/abs/2018NC-313010.

Grimley, D. A., Phillips, A. C., McKay, E. D., III, and Anders, A. M., 2018, Geomorphic expression of the Illinois Episode glaciation (marine isotope stage 6) in Illinois–moraines, sublobes, subglacial lineations, and possible ice streaming, *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. 1–25, doi: 10.1130/2017.2530(01).

Kehew, A. E., and Curry, B. B., eds., 2018, Quaternary glaciation of the Great Lakes region–landforms, sediments, and chronology: Geological Society of America Special Paper 530, 244 p.

Loope, H. M., Antinao, J. L., Lowell, T. V., Curry, B. B., and Monaghan, G. W., 2018, Chronology of Laurentide Ice Sheet fluctuations surrounding the Last Glacial Maximum, central Indiana, USA: Geological Society of America Abstracts with Programs, v. 50, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Paper/319710, doi: 10.1130/abs/2018AM-319710.

Loope, H. M., Antinao, J. L., Monaghan, G. W., Autio, R. J., Curry, B. B., Grimley, D. A., Huot, Sebastien, Lowell, T. V., and Nash, T. A., 2018, At the edge of the Laurentide Ice Sheet–stratigraphy and chronology of glacial deposits in central Indiana, *in* Florea, L. J., ed., Ancient oceans, orogenic uplifts, and glacial ice–geologic crossroads in America's heartland: Geological Society of America Field Guide 51, p. 245–258.

Lowell, T. V., Curry, B. B., Loope, H. M., and Heath, S. L., 2018, Chronology of the Great Lakes Lobes–implications for the dynamics of the Laurentide Ice Sheet: Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313187, doi: 10.1130/abs/2018NC-313187.

Mwakanyamale, K. E., Brown, S. E., and Theuerkauf, E. J., 2018, Modeling erosion and accretion along the Illinois Lake Michigan shore: Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313264, doi: 10.1130/abs/2018NC-313264.

Phillips, A. C., Curry, B. B., Loope, Henry, Grimley, D. A., and Huot, Sebastien, 2018, Activity of the Laurentide Ice Sheet evident in sediment archives of the lower Wabash Valley: Geological Society of America Abstracts with Programs, v. 50, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Paper/324748, doi: 10.1130/abs/2018AM-324748.

Phillips, A. C., Loope, Henry, Curry, B. B., Grimley, D. A., and Lebel, Caitlin, 2018, Slackwater lake record of southern Wabash tributary indicates enigmatic CA. 40 ka glaciation: Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313057, doi: 10.1130/abs/2018NC-313057.

Thomason, Jason, and Larson, Timothy, 2018, Electrical geophysical methods to characterize glacial landforms of the Lake Michigan Lobe: Geological Society of America Abstracts with Programs, v. 50, no. 4, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2018NC/meetingapp.cgi/Paper/313143, doi: 10.1130/abs/2018NC-313143.

Thomason, J. F., Larson, T. R., Ismail, Ahmed, and Sargent, Steven, 2018, Characterizing glacial sediments and features in northeast Illinois using electrical resistivity and seismic-reflection profiling, *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. 233–244, doi: 10.1130/2018.2530(12).

Williams, J. W., Blois, Jessica, Grimm, E. C., Goring, S. J., Smith, A. J., Ashworth, A. C., Betancourt, J. L., Booth, R. K., Buckland, Philip, Charles, D. F., Crawford, Stephen, Curry, B. B., Davis, Edward, Giesecke, Thomas, Latorre, Claudio, Nichols, Jonathan, Pilaar-Birch, Suzanne, Roth, R. E., Stryker, Michael, and Takahara, Hikaru, 2018, Neotoma paleoecology database–key concepts and recent advances: Meeting of the Canadian and American Quaternary Associations–Crossing Borders in the Quaternary, Ottawa, Ontario, p. 102.

2017

Buchalski, C. B., and Theuerkauf, E. J., 2017, Citizens Observing and Surveying the Shoreline (COaStS)–a citizen science beach change project: State of Lake Michigan Conference 2017, November 7–10, 2017, Green Bay, Wisconsin.

Caron, O. J., 2017, Surficial geology of Joliet quadrangle, Will County, Illinois: Illinois State Geological Survey, USGS-STATEMAP contract report, 2 sheets, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 10, 2019, at URL http://isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/joliet.

Caron, O. J., 2017, Surficial geology of Romeoville quadrangle, Cook, DuPage, and Will Counties, Illinois: Illinois State Geological Survey, USGS-STATEMAP contract report, 2 sheets, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 10, 2019, at URL http://isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/romeoville.

Conroy, J. L., Grimley, D. A., Nash, T. A., Guenthner, W. R., and Curry, B. B., 2017, Loess accumulation and hydroclimate variability in association with Lake Michigan Lobe fluctuations during the Last Glacial Maximum: Geological Society of America Abstracts with Programs, v. 49, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/303201, doi: 10.1130/abs/2017AM-303201.

Curry, B. B., and Lowell, T. V., 2017, Radiocarbon age-based phases of the Lake Michigan Lobe, Illinois, USA: Geological Society of America Abstracts with Programs, v. 49, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/308339, doi: 10.1130/abs/2017AM-308339.

Deck, E. A., Malone, David, and Shields, William, 2017, Surficial geologic map of the Pontiac Northeast 7.5 minute quadrangle, Livingston County, IL, scale 1:24,000: Geological Society of America Abstracts with Programs, v. 49, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/304471, doi: 10.1130/abs/2017AM-304471.

Gregorich, Holly, Malone, David, and Shields, William, 2017, Surficial geologic map of the Pontiac Northwest quadrangle, Livingston County, IL: Geological Society of America Abstracts with Programs, v. 49, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/299374, doi: 10.1130/abs/2017AM299374.

Grimley, D. A., and Phillips, A. C., 2017, Geomorphology of the Illinois Episode glaciation (OIS 6) in Illinois: Geological Society of America Abstracts with Programs, v. 49, no. 2, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017NE/meetingapp.cgi/Paper/291235, doi: 10.1130/abs/2017NE-291235.

Grimley, D. A., Wang, J. J., and Oien, R. P., 2016, Surficial geology of Mahomet quadrangle, Champaign and Piatt Counties, Illinois: Illinois State Geological Survey, USGS-STATEMAP contract report, 2 sheets, scale 1:24,000, report, 13 p.; Illinois State Geological Survey webpage, accessed December 10, 2019, at URL http://isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/mahomet.

Huot, Sebastien, Loope, H. M., Antinao, J. L., and Monaghan, G. W., 2017, Dating the Greenwood Moraine (Indiana) by optically stimulated luminescence dating (OSL)–an all too common story of applying a technique in a difficult environment in the hope of shining light on an exciting idea: Geological Society of America Abstracts with Programs, v. 49, no. 2, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017NE/webprogram/Paper291457.html, doi: 10.1130/abs/2017NE-291457.

Loope, H. M., Autio, R. J., Monaghan, G. W., Antinao, J. L., Huot, Sebastien, Lowell, T. V., and Curry, B. B., 2017, Laurentide Ice Sheet readvance ca. 21.7 k cal yr BP and formation of glacial Lake Eminence, south-central Indiana: Geological Society of America Abstracts with Programs, v. 49, no. 2, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017NE/meetingapp.cgi/Paper/291279, doi: 10.1130/abs/2017NE-291279.

Meister, Paul, and Malone, D. H., 2017, Provenance analysis of granite cobbles in the Tiskilwa Till using U-Pb geochronology: Geological Society of America Abstracts with Programs, v. 49, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/305616, doi: 10.1130/abs/2017AM-305616.

Mwakanyamale, K. E., Brown, Steven, Larson, Timothy, Theuerkauf, E. J., Ntarlagiannis, Dimitrios, Phillips, Andrew, and Anderson, Andrew, 2017, Modeling erosion and accretion along the Illinois Lake Michigan shore using an integrated airborne, waterborne, and ground-based method: American Geophysical Union Fall Meeting 2017, New Orleans, Louisiana, December 11–15, 2017, NS31A-0002; American Geophysical Union Fall Meeting webpage, accessed December 19, 2019, at URL https://agu.confex.com/agu/fm17/meetingapp.cgi/Paper/295576.

Nash, T. A., Conroy, J. L., Grimley, D. A., Guenther, W. R., and Curry, B. B., 2017, Episodic deposition of Illinois Valley Peoria Silt in association with Lake Michigan Lobe fluctuations during the Last Glacial Maximum: Quaternary Research; Cambridge Core Quaternary Research webpage, accessed December 10, 2019, http://dx.doi.org/10.1017/qua.2017.66.

Phillips, A. C., 2017, Surficial geology of Saint Francisville quadrangle, Lawrence and Wabash Counties, Illinois, and Knox County, Indiana: Illinois State Geological Survey, USGS-STATEMAP contract report, 2 sheets, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 10, 2019, at URL http://isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/st-francisville.

Rickels, E. S., Stumpf, A. J., Malone, D. H., and Shields, W. E., 2017, Surficial geologic map of the Saybrook 7.5-minute quadrangle, McLean County, Illinois, USA: Journal of Maps, v. 13, issue 2, p. 191–195; Journal of Maps webpage, accessed December 10, 2019, at URL http://dx.doi.org/10.1080/17445647.2017.1291369.

Stumpf, A. J., and Lin, Y.-F. F., 2017, Thermophysical characterization of the heterogeneous subsurface (Invited Presentation): Geological Society of America Abstracts with Programs, v. 49, no. 6, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/306733, doi: 10.1130/abs/2017AM-306733.

Theuerkauf, E. J., 2017, Mapping and research along the Illinois Lake Michigan Coast: Great Lakes Coastal Mapping Summit, April 4–6, 2017, Chicago, Illinois.

Theuerkauf, E. J., Braun, K., Kaplan, M., Vivirito, S., Williams, J., and Nelson, D. M., 2017, Beach and dune geomorphic response to an increase in Lake Michigan water level along the Illinois coast: State of Lake Michigan Conference 2017, November 7–10, 2017, Green Bay, Wisconsin.

Theuerkauf, Ethan, Brown, Steven, Anderson, Andrew, Mwakanyamale, Kisa, and Phillips, Andrew, 2017, Coastal monitoring and research to inform a regional sand management strategy along the Illinois Lake Michigan coast: Coastal GeoTools Conference, February 6–9, 2017, North Charleston, South Carolina, accessed December 10, 2019, at URL https://coast.noaa.gov/data/docs/geotools/2017/presentations/Theuerkauf.pdf.

Theuerkauf, E. J., and Nelson, D. M., 2017, Coupling hydrodynamic forces with geomorphic change along the Illinois Lake Michigan Coast: International Association of Great Lakes Research Annual Meeting, May 15–18, 2017, Detroit, Michigan, p. 408; International Association for Great Lakes Research webpage, accessed December 10, 2019, at URL http://iaglr.org/conference/downloads/2017_abstracts.pdf.

2016

Anderson, R. C., and Miao, Xiaodong, 2016, Surficial geology of Rock Island County, Illinois: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275376.html, doi: 10.1130/abs/2016NC-275376.

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.

Bettis, E. A., III, Parsons, Kelli, Wilson, Christopher, Papanicolaou, Thanos, and Grimley, David, 2016, Rate, magnitude and impact of legacy sediment accumulation on a headwaters watershed in eastern Iowa: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275357.html, doi: 10.1130/abs/2016NC-275357.

Blackwell, B. A. B., Kim, D. M. K., Curry, Brandon, Grimley, D. A., Blickstein, J. I. B., and Skinner, A. R., 2016, Is it a date? The Sangamonian Interglacial deposits at Hopwood Farm, IL: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275223.html, doi: 10.1130/abs/2016NC-275223.

Blackwell, B. A. B., Kim, D. M. K., Curry, B. B., Grimley, D. A., Blickstein, J. I. B., and Skinner, A. R., 2016, Shell we date? ESR dating Sangamon Interglacial Episode deposits at Hopwood Farm, IL: Radiation Protection Dosimetry, v. 172, no. 1–3, p. 283–295, accessed December 10, 2019, at URL https://doi.org/10.1093/rpd/ncw213.

Bruegger, Alison, and Curry, Brandon, 2016, Refining the span and rates of deposition of the Glenwood Phase of Glacial Lake Chicago: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275680.html, doi: 10.1130/abs/2016NC-275680.

Carlock, D. C., Thomason, J. F., Malone, D. H., and Peterson, E. W., 2016, Stratigraphy and extent of the Pearl-Ashmore Aquifer, Mchenry [*sic*] County, IL, USA: World Journal of Environmental Engineering, v. 4, no. 1, p. 6–18; World Journal of Environmental Engineering webpage, accessed December 10, 2019, at URL http://pubs.sciepub.com/wjee/4/1/2/, doi: 10.12691/wjee-4-1-2.

Caron, O. J., 2016, New insights in the 3D mapping of the Lemont Formation in Will and Cook Counties, Illinois: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275540.html, doi: 10.1130/abs/2016NC-275540.

Curry, B. B., and Caron, O. J., 2016, The Quaternary geology of the Chicago metropolitan area–the Chicago Outlet, Valparaiso Moraine, Lake Michigan Lobe chronology revisited, and Kankakee Torrent story: Geological Society of America Abstracts Field Trip Guidebook.

Curry, Brandon, Loope, H. M., Lowell, T. V., W., Hong, Thomason, J., and Caron, O. J., 2016, Recent changes to the time-distance diagram of the Lake Michigan Lobe (Michigan Subepisode, Wisconsin Episode): Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275575.html, doi: 10.1130/abs/2016NC-275575.

Desrochers, Claude, Caron, Olivier, and Daigneault, R.-A., 2016, Identification and measurement of glacial lake terraces using airborne LiDAR-derived DTM in Will and Grundy Counties, Illinois, United-States: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275501.html, doi: 10.1130/abs/2016NC-275501.

Flaherty, S. T., Thomason, J. F., Malone, D. H., Peterson, E. W., and Shields, W. E., 2016, Surficial geology of the Woodstock, IL 7.5 minute quadrangle, Mchenry [*sic*] County, Illinois, scale 1:24,000: Journal of Maps: Journal of Maps webpage, accessed December 10, 2019 at URL http://www.tandfonline.com/doi/full/10.1080/17445647.2016.1227731, doi: 10.1080/17445647.2016.1227731.

Grimley, D. A., Anders, A., and Stumpf, A. J., 2016, Quaternary geology of the Upper Sangamon River Basin–glacial, postglacial, and post-settlement history: Geological Society of America Abstracts Field Trip Guidebook.

Grimley, D. A., Labotka, Dana, Huot, Sebastien, Wang, J. J., Stumpf, A. J., Miao, Xiaodong, Caron, Olivier, and Wang, Hong, 2016, Deciphering the last glacial chronology, Upper Sangamon River Basin, Illinois: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, https://gsa.confex.com/gsa/2016NC/webprogram/Paper275368.html, doi: 10.1130/abs/2016NC-275368.

Huot, Sebastien, and Loope, H. M., 2016, Optically stimulated luminescence dating (OSL) in awkward places–a story of the last Laurentide Ice Sheet advance in south-central Indiana: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275641.html, doi: 10.1130/abs/2016NC-275641.

Lau, Jodi, Thomason, J. F., Malone, D. H., and Peterson, E. W., 2016, Three-dimensional geological model of Quaternary sediments in Walworth County, Wisconsin, USA: Geosciences, v. 6, issue 3, 32, 14 p.; Geosciences webpage, accessed December 10, 2019, at URL http://www.mdpi.com/2076-3263/6/3/32/htm, doi: 10.3390/geosciences6030032.

Lau, Jodi, Thomason, J. F., Malone, D. H., and Peterson, E. W., 2016, Modeling the sediment fill of the upper Troy pre-glacial bedrock valley, McHenry County, Illinois, USA: Journal of Geoscience and Environment Protection, v. 4, p. 107–122; Journal of Geoscience and Environment Protection webpage, accessed December 10, 2019, at URL http://file.scirp.org/pdf/GEP_2016062114101081.pdf.

Luo, Yagi, Lin, Y. F., Kumar, Praveen, and Stumpf, A. J., 2016, Subsurface heat transport simulation with periodic surface temperature signals and groundwater flow: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275481.html, doi: 10.1130/abs/2016NC-275481.

Nash, T. A., Jr., Conroy, J. L., and Grimley, D. A., 2016, The formation of the Jules Soil and its implications for the Last Glacial Maximum climate of west-central Illinois: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275332.html, doi: 10.1130/abs/2016NC-275332.

Nash, T. A., Jr., Higley, M. C., Martin, Nicholas, Keller, Kiel, Lawrence, A. K., and Curry, Brandon, 2016, Changes in late Holocene sedimentation in Prairie Lake, Dupo, Illinois: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275412.html, doi: 10.1130/abs/2016NC-275412.

Phillips, A. C., 2016, Geomorphic map of the lower Wabash Valley, IL-IN-KY: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275448.html, doi: 10.1130/abs/2016NC-275448.

Rhoads, M. L., and Malone, D. H., 2016, Three dimensional hydrogeologic investigation of the Kishwaukee Channel, northern Illinois, USA: Geological Society of America Abstracts with Programs, v. 48, no. 7, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2016AM/webprogram/Paper278251.html, doi: 10.1130/abs/2016AM-278251.

Seipel, L. C., Peterson, E. W., Malone, D. H., and Thomason, J. F., 2016, Role of multiple high-capacity irrigation wells on a surficial sand and gravel aquifer: Journal of Geoscience and Environment Protection, v. 4, p. 43–53; Journal of Geoscience and Environment Protection webpage, accessed December 10, 2019, at URL http://file.scirp.org/pdf/GEP_2016050616334137.pdf.

Spencer, J. Q. G., Huot, Sebastien, Alghamdi, Abdulaziz, and Presley, DeAnn, 2016, Optically stimulated luminescence dating of young sediments and dusts: Geological Society of America Abstracts with Programs, v. 48, no. 7, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2016AM/webprogram/Paper287164.html, doi: 10.1130/abs/2016AM287164.

Stohr, Christopher, Cartwright, Keros, Berg, Richard, and Stumpf, Andrew, 2016, Origins, influences and contributions of Illinois State Geological Survey to landfill studies and groundwater protection: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275131.html, doi: 10.1130/abs/2016NC-275131.

Stohr, Christopher, Stumpf, A. J., Barrett, Melony, Filippini, Heather, and Luman, D. E., 2016, Identification of defects in earthen-covered landfills by remote sensing: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275140.html, doi: 10.1130/abs/2016NC-275140.

Thomason, J. F., Larson, Timothy, Ismail, Ahmed, and Sargent, Steve, 2016, Coupled 2-D geophysics to better characterize shallow sand and gravel aquifers: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275594.html, doi: 10.1130/abs/2016NC-275594.

Wang, Hong, 2016, Intra Dansgaard–Oeschger cycles in ice margin, loess, dune, and lacustrine deposits in the central USA and their forcing mechanism: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275473.html, doi: 10.1130/abs/2016NC275473.

Wang, Hong, Curry, Brandon, McKay, E. D., III, Berg, R. C., Stumpf, A. J., Huot, Sebastien, and Keen-Zebert, Amanda, 2016, Evidence of meltwater megafloods near the southernmost ice margins of the Laurentide Ice Sheet between 20.5 and 18.5 ka: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275360.html, doi: 10.1130/abs/2016NC-275360.

Wang, H., Stumpf, A. J., Curry, B. B., and Fisher, T. G., 2016, 19 ka–13 ka glacial meltwater discharge archives in the Middle Illinois River Valley–climate and timing implications: Geological Society of America Field Trip Guidebook.

Zhong, Shuheng, Stumpf, A. J., and Lin, Y. F., 2016, From 3-D hydrostratigraphic model to 3-D printed aquifer model: Geological Society of America Abstracts with Programs, v. 48, no. 5, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2016NC/webprogram/Paper275384.html, doi: 10.1130/abs/2016NC-275384.

2015

Bruegger, Alison, and Curry, Brandon, 2015, Refining the span and rates of deposition of the Glenwood Phase of Glacial Lake Chicago: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 5; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255873.html.

Caron, Olivier, 2015, 3-D geologic mapping of Will County, Illinois: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 18; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255954.html.

Curry, Brandon, 2015, Updated full-glacial paleoenvironmental reconstructions at two sites at about 38.5° N based on modern analogs of ostracodes from NACODe (North American Combined Ostracode Database): Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 72; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255822.html.

Curry, Brandon, Caron, Olivier, and Thomason, Jason, 2015, Radiocarbon chronology suggests that the Woodstock Phase ice margin (Lake Michigan Lobe) was intimately related to the 18.9 ka Kankakee Torrent: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 4; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255883.html.

Gates, G. M., Malone, D. H., and Shields, William, 2015, Surficial geologic map of the Metamora 7.5 minute quadrangle in Woodford County, IL: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 119; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper262322.html.

Grimley, D. A., Nash, T. A., Jr., Conroy, J. L., Wang, Hong, Miao, Xiaodong, and Curry, Brandon, 2015, Revisiting the Jules Geosol and gastropod paleoecology in Last Glacial Maximum loess, western Illinois: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 716; Geological Society of America webpage, accessed March 3, 2020, https://gsa.confex.com/gsa/2015AM/webprogram/Paper268151.html.

Kenning, B. M., Malone, D. H., and Shields, William, 2015, Surficial geologic map of the Benson 7.5 minute quadrangle, Woodford County, IL: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 119; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper264565.html.

Lin, Y.-F. F., Stumpf, A. J., Luo, Yaqi, and Kumar, Praveen, 2015, Using distributed temperature sensing to monitor potential subsurface temperature changes in an intensively managed landscape: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 30; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper266331.html.

Loope, H. M., Lowell, T. V., Curry, Brandon, Monaghan, G. W., and Karaffa, M. D., 2015, Stratigraphy and chronology of late Wisconsin Laurentide Ice Sheet fluctuations of the East White sublobe, central Indiana: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 20; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255561.html.

Luehmann, M. D., Arbogast, A. F., Monaghan, G. W., Lovis, W. A., Michalek, M. J., and Wang, Hong, 2015, Late-Pleistocene fluvial incision and perched-dune formation along the lower Au Sable River in northeastern lower Michigan, USA: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 29; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255480.html.

McGillivray, K. M., Malone, D. H., and Shields, William, 2015, Surficial geologic map of the Bloomington West 7.5 minute quadrangle in McLean County, IL: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 119; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper266823.html.

Miao, Xiaodong, and Larson, Timothy, 2015, OSL ages and ground penetrating radar (GPR) of the sand dunes along the Kankakee River Valley, Midwest USA: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 21; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255867.html.

Phillips, A. C., and Caron, Olivier, 2015, Wagging the dog–tales of the deglaciation of the Wabash Valley from its mouth: Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 18; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015NC/webprogram/Paper255938.html.

Rickels, Ellyn, Malone, D. H., Stumpf, A. J., and Thomason, Jason, 2015, Archean provenance of granite cobbles in Woodfordian tills in central Illinois: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 789; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper268426.html.

Topping, E. M. P., Malone, D. H., and Shields, William, 2015, Geologic map of the 7.5 minute Roanoke quadrangle in Woodford County, Illinois: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 120; Geological Society of America webpage, accessed December 10, 2019, at URL https://gsa.confex.com/gsa/2015AM/webprogram/Paper267755.html.

2014

Allred, Kory, Luo, Wei, Konen, Mike, and Curry, B. B., 2014, Morphometric analysis of ice-walled lake plains in northern Illinois–implications of lake elongation by wind-induced dual-cycle currents: Geomorphology, v. 220, p. 50–57, accessed March 3, 2020, at URL https://www.sciencedirect.com/science/article/pii/S0169555X14002906.

Berg, R. C., McKay, E. D., III, and Stiff, B. J., 2014, Geologic mapping along the middle Illinois River valley, Illinois: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 503; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper246048.html.

Curry, B. B., 2014, Multiple nonconformities in ice-walled lake successions indicate periods with cold summers (24.4–22.5 ka, 21.1–19.2 ka, 18.5–18.1 ka) during the last deglaciation in northeastern Illinois, USA, PP31C-1156: American Geophysical Union Fall meeting, San Francisco.

Curry, B., Hajic, E., Befus, K., Clark, J., Carrell, J., and Brown, S., 2014, The Kankakee Torrent and other large meltwater flooding events during the last deglaciation, Illinois, USA: Quaternary Science Reviews, v. 90, p. 22–36.

Curry, Brandon, Ito, Emi, and Forester, R. M., 2014, Assessing groundwater inputs, outputs, and throughflow in lakes using diversity indices and biochemistry of ostracodes: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 640; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper242256.html.

Grimley, D. A., Gemperline, J. M., and Larson, T. H., 2014, Surficial geology of Valmeyer quadrangle, Monroe County, Illinois: Illinois State Geological Survey, IGQ Valmeyer-SG, 2 sheets, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/valmeyer.

Kim, D. M. K., Blackwell, B. A. B., Curry, B. B., Blickstein, J. I. B., and Grimley, D. A., 2014, Shell we date? ESR dating molluscs from the Sangamonian Interglacial deposits at Hopwood Farm, IL: Geological Society of America Abstracts with Programs, v. 46, no. 4, p. 61; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2014NC/webprogram/Paper237679.html.

Miao, Xiaodong, Hanson, P. R., Stohr, Christopher, and Wang, Hong, 2014, Holocene loess of Illinois revealed through OSL dating: Geological Society of America Abstracts with Programs, v. 46, no. 4, p. 65; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2014NC/webprogram/Paper237734.html.

Miao, Xiaodong, Stohr, Christopher, and Thomason, J. F., 2014, 3D photogrammetric modeling of glacial sand and gravel deposits in a metropolitan area: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 524; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper248109.html.

Phillips, A. C., Larson, Timothy, Caron, Olivier, and Alberts, R. A., 2014, Fluvial history of the lower Wabash Valley–slackwater, torrents, lazy rivers: Geological Society of America Abstracts with Programs, v. 46, no. 4, p. 11; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2014NC/webprogram/Paper238004.html.

Phillips, A. C., Caron, O., Wang, H., Larson, T., and Elrick, S., 2014, Proglacial alluviation in the Wabash Valley, Illinois-Indiana, USA–challenges in OSL chronology: 14th International Conference on Luminescence and Electron Spin Resonance Dating, July 7–11, 2014, Montréal, Canada, Book of Abstracts, p. 155, accessed February 26, 2020, at URL http://www.led2014.uqam.ca/images/circulaires/Book%20of%20abstract%20Internet.pdf.

Seipel, L. C., Thomason, J. F., and Peterson, E. W., 2014, Capture zone analysis of a shallow-aquifer irrigation well in McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 118; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper248072.html.

Stumpf, A. J., Atkinson, L. A., Dey, W. S., and Ross, Martin, 2014, Development of a 3-dimensional geological model of buried valleys in east-central Illinois: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 686; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper243752.html.

Thomason, J. F., 2014, Glacial landscape of the late Wisconsin Lake Michigan Lobe in northeast Illinois–new insights into ice-margin retreat and processes: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 503; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper244495.html.

Thomason, J. F., 2014, Multiscale 3-D geologic mapping in support of sustainable water supply management in McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 686; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2014AM/webprogram/Paper244500.html.

2013

Brown, S. E., 2013, From start to finish–three-dimensional geologic maps and models of Lake County, Illinois: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 18; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218189.html.

Brown, S. E., 2013, Three-dimensional geologic mapping of Lake County, Illinois–no small task, *in* Thorleifson, L. H., Berg, R. C., and Russell, H. A. J., conveners, Three-dimensional geological mapping–workshop extended abstracts: Minnesota Geological Survey Open File Report OFR-13-2, p. 23–28.

Bruegger, Alison, Curry, B. B., and Grimley, D. A., 2013, Ice-walled lake plains highlighted on new surficial geology map of Kane County, Illinois: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 14; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218582.html.

Caron, Olivier, Lamothe, Michel, and Shilts, W. W., 2013, MidWisconsinan history of the southeastern sector of the Laurentide Ice Sheet and the late Quaternary stratigraphic record of southeastern Québec: Geological Society of America Abstracts with Programs, v. 45, no. 7, p. 413; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2013AM/webprogram/Paper229643.html.

Curry, B. B., 2013, Superposed ice-walled lake deposits, northeastern Illinois: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 4; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218573.html.

Grimley, D. A., Gemperline, Johanna, and Larson, Timothy, 2013, Ice-pressed ridges of the Penultimate glaciation in the Kaskaskia Sublobe, south-central Illinois: Geological Society of America Abstracts with Programs, v. 45, no. 7, p. 413; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2013AM/webprogram/Paper231874.html.

Grimley, D. A., and Oches, E. A., 2013, Pleistocene molluscan assemblages to aid understanding of paleoenvironment, paleoclimate and chronology–examples from Illinois: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 17; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218205.html.

Keefer, D. A., Thomason, J. F., and Brown, S. E., 2013, Sedimentologic modeling and transmissivity mapping to support groundwater flow and contaminant transport modeling in glacial sediments: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 54; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218826.html.

Miao, Xiaodong, Thomason, J. F., and Stohr, Christopher, 2013, Sand and gravel resource of McHenry County, Illinois–distribution, thickness and land use: Geological Society of America Abstracts with Programs, v. 45, no. 4, p. 14; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2013NC/webprogram/Paper218422.html.

Olsen, J. E. S., Curry, Brandon, and Moshier, S. O., 2013, Glacial and post-glacial stratigraphy of the Perry mastodon site, Glen Ellyn, Illinois: Geological Society of America Abstracts with Programs, v. 45, no. 7, p. 580; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2013AM/webprogram/Paper233622.html.

2012

Curry, Brandon, and Hajic, E. R., 2012, Large meltwater events associated with the Lake Michigan Lobe during the last deglaciation, Illinois, USA: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 454; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper213124.html.

Curry, B. B., and Thomason, J. F., 2012, Surficial geology of the Huntley quadrangle, Kane and McHenry Counties, Illinois: Illinois State Geological Survey, STATEMAP Huntley-SG 2012, scale 1:24,000.

Flaherty, Stephen, Thomason, J. F., and Malone, David, 2012, High-resolution shallow aquifer modeling in McHenry County Illinois: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 254; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper213154.html.

Iverson, N. R., Hooyer, T. S., Thomason, J. F., Marciulionis, J. R., Ankerstjerne, Suzanne, Vreeland, N. P., and Graesch, Matthew, 2012, Kirk Bryan Award–Fabrics and patterns of till deformation beneath glaciers: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 462; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper209755.html.

Keefer, D. A., and Stumpf, A., 2012, Estimating and communicating uncertainty for a 3-D geologic map in east-central Illinois: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 471.

Larson, T., Ismail, A., Thomason, J. F., Curry, B. B., Stumpf, A. J., and Dey, B., 2012, Integrating shear-wave reflection and resistivity profiling to improve subsurface characterization of glacial sediments: Abstract NS31B-1681 presented at American Geophysical Union 2012 Fall Meeting, San Francisco, California, December 3–7, 2012.

Loope, H. M., Mason, J. A., Knox, J. C., Goble, R. J., Hanson, P. R., Young, A. R., and Curry, B. B., 2012, Late Wisconsinan aggradation and incision history of the Upper Mississippi River, USA: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 455; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper212967.html.

Sen, Pragnyadipta, Carrell, J. E., Burmeister, K. C., and Marshak, Stephen, 2012, Compiling digital geo-referenced geologic maps–a method for the non-specialist: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 550; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper212599.html.

Thomason, J. F., and Keefer, D. A., 2012, Aquifer geometry and transmissivity predictions based on 3-D geologic framework modeling: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 143; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2012AM/webprogram/Paper212128.html.

2011

Atkinson, L. A., Ross, M. A., Stumpf, Andrew, and Dey, W. S., 2011, 3-D geological modeling of subsurface facies assemblages correlated to the Illinoian deglaciation in east-central Illinois, United States: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 627; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper196111.html.

Atkinson, L. A., Ross, M. A., Stumpf, Andrew, and Ismail, Ahmed, 2011, Sedimentology and 3-D architecture of subsurface facies of the Illinoian deglaciation in east-central Illinois, United States: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 559; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper196020.html.

Barnhardt, M. L., 2011, Surficial geology of Highland Park quadrangle, Lake and Cook Counties, Illinois: Illinois State Geological Survey, STATEMAP Highland Park-SG 2011, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 24, 2020, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/highland-park.

Berg, R. C., Mathers, S. J., Kessler, H., and Keefer, D. A., 2011, Synopsis of current three-dimensional geological mapping and modeling in geological survey organizations; conclusions and recommendations [modified]: Illinois State Geological Survey Circular 578, 86 p.

Brown, S. E., Thomason, J. F., and Barnhardt, M. L., 2011, Recognition of lacustrine sequences in northeast Illinois and their implications for interpretations of fluctuations of the Lake Michigan Lobe margin–have we overlooked allostratigraphy?: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 176; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper193139.html.

Curry, B. B., 2011, Constraints on the age of the Lake Michigan Lobe (last glaciation) in Illinois, USA–from start to finish: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 32; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper194087.html.

Curry, Brandon, 2011, Forensic reconstruction of sediments and environments at the termini of prairie ice streams: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 485; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper194082.html.

Curry, B. B., Grimley, D. A., and McKay, E. D., III, 2011, Quaternary glaciations in Illinois, *in* Ehlers, J., Gibbard, P. L., and Hughes, P. D., eds., Developments in Quaternary science, v. 15: Amsterdam, The Netherlands, Elsevier, p. 467–487.

Curry, B., Grimley, D., Wang, H., Dorale, J. A., McKay, D., Berg, R., and Stumpf, A., 2011, Quaternary glacial-interglacial cycles in Illinois, U.S.A.: XVII International Quaternary Association Congress, Bern, Switzerland, abstract no. 2472.

Curry, B., Grimm, E., Gonzales, J. W., Filippelli, G., Hackley, K., Fanta, S., and Panno, B., 2011, Greater-than-present wet conditions from 14.6 to 10.2 cal ka yr BP in the southwestern Great Lakes area, North America: XVII International Quaternary Association Congress, Bern, Switzerland, Abstract no. 2667.

Grimley, D. A., and Phillips, A. C., 2011, Middle to late Quaternary base level fluctuations in the Kaskaskia Lowland, southwestern Illinois: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 508; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper193515.html.

Keefer, D. A., Thomason, J. F., Larson, Timothy, Ismail, Ahmed, and Lau, J. A., 2011, Three-dimensional geologic mapping and hydrogeologic investigations to support groundwater management in McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 559; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper197024.html.

Larson, Timothy, Ismail, Ahmed, Thomason, J. F., and Keefer, D. A., 2011, Combining seismic reflection and resistivity profiling to improve the interpretation of a buried valley aquifer in northeast Illinois: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 172; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper192229.html.

McKay, E. D., III, Keefer, D. A., Thomason, J. F., and Brown, S. E., 2011, Geologic framework models for societal decision making in the metro-Chicago urban fringe: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 38; Geological Society of America webpage, accessed February 26, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper195599.html.

Miao, Xiaodong, Thomason, J. F., Brown, S. E., and Stohr, Christopher, 2011, Updated sand and gravel resources of McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 627; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper193168.html.

Miao, Xiaodong, Thomason, J. F., Brown, S. E., and Stohr, C. J., 2011, Sand and gravel resources of McHenry County, Illinois–a new look, *in* Lasemi, Zakaria and Mikulic, D. G., The 47th Forum on the Geology of Industrial Minerals: Illinois State Geological Survey Open File Series 2011-2, p. 32, accessed March 3, 2020, at URL http://library.isgs.illinois.edu/Pubs/pdfs/ofs/2011/ofs2011-02.pdf.

Phillips, A. C., Grimley, D. A., and Keefer, D. A., 2011, Spatial errors for well logs used in geologic mapping–the consequences of being wrong: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 627; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper195252.html.

Stiff, B. J., Roadcap, G. S., Stumpf, A. J., Dey, W. S., and Berg, R. C., 2011, Visualizing the Mahomet aquifer for planners in central Illinois: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 240; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper194762.html.

Thomason, J. F., and Keefer, D. A., 2011, Geologic framework modeling for groundwater applications in northeast Illinois: Geological Society of America Special Short Course on Three-Dimensional Geologic Mapping, Minneapolis, Minnesota.

Thomason, J. F., Keefer, D. A., Lau, J. A., Larson, Timothy, and Ismail, Ahmed, 2011, Geologic framework model of a glacially-filled bedrock valley in McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 43, no. 5, p. 171; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2011AM/webprogram/Paper196230.html.

2010

Barnhardt, M. L., 2010, Surficial geology of Waukegan quadrangle, Lake County, Illinois: Illinois State Geological Survey, STATEMAP Waukegan-SG 2010, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/waukegan.

Grimley, D. A., Oches, E. A., and Phillips, A. C., 2010, Chronology and paleoecology of pre-Illinoian and Illinoian deposits in southwestern Illinois: Geological Society of America Abstracts with Programs, v. 42, no. 2, p. 68; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2010NC/webprogram/Paper171005.html.

Lau, J. A., Thomason, J. F., and Malone, David, 2010, 3-D geologic mapping of Quaternary sediments using GIS and Petrel in Walworth County, WI: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 278; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2010AM/webprogram/Paper182054.html.

Luman, D. E., 2010, Comparison of airborne LiDAR elevation data and USGS National Elevation Dataset information for inputs to regional and large-scale geologic mapping applications in Illinois: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 155; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2010AM/webprogram/Paper180892.html.

McKay, D. E., III, Wang, Hong, Berg, R. C., and Forman, S. L., 2010, Sangamon and early Wisconsin episode stratigraphy and optical luminescence dates near the ancient Mississippi River Valley: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 518; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2010AM/webprogram/Paper180856.html.

Phillips, A. C., 2010, Surficial geology of Paderborn quadrangle, Monroe and St. Clair Counties: Illinois State Geological Survey Illinois Geologic Quadrangle, IGQ Paderborn-SG, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 24, 2020, at URL http://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/paderborn.

Shilts, W. W., Berg, R. C., Luman, D. E., and McKay, D. E., III, 2010, Application of LiDAR data to mapping glacial landform/sediment associations, Champaign County, Illinois: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 154; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2010AM/webprogram/Paper181456.html.

Wang, Hong, Stumpf, Andrew, and Miao, Xiaodong, 2010, A complete sedimentary record from last glacial termination to early Holocene in Midwestern dune field: Geological Society of America Abstracts with Programs, v. 42, no. 5, p. 518; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2010AM/webprogram/Paper180212.html.

2009

Barnhardt, M. L., 2009, Surficial geology of Zion quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, STATEMAP Zion-SG 2009, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/zion.

Carlock, Drew, Thomason, J. F., and Malone, D. H., 2009, Using Petrel 2007 and other programs to create a 3-D geologic model of the Quaternary glacial deposits in McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 286; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009AM/webprogram/Paper164161.html.

Carlock, Drew, Thomason, J. F., and Malone, D. H., 2009, Surficial geologic map of the Hebron 7.5-minute quadrangle, McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 286; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009AM/webprogram/Paper164182.html.

Carlock, D. R., Thomason, J. F., and Malone, D. H., 2009, 3-D mapping of the Quaternary glacial deposits in the Hebron quadrangle, McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 14; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156453.html.

Curry, B. B., 2009, Subtle ice-walled lake terraces identified and mapped with shaded relief maps of 2-ft DEMS from aerial photography or LiDAR: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 433; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2009AM/webprogram/Paper166203.html.

Curry, B. B., Brown, S. E., and Thomason, J. F., 2009, Determining sediment transport rates during deglaciation of the Michigan Lobe, northeastern Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 58; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156568.html.

Curry, Brandon, and Filippelli, G. M., 2009, Impacts of seasonal anoxia on microbiota (ostracodes) and sediment chemistry at Crystal Lake, Illinois, during the Anthropocene and the last glacial-interglacial transition: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 65; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156579.html.

Fox, N. D., Thomason, J. F., Grimley, David, and Curry, Brandon, 2009, Insights into the paleoenvironment of lacustrine sediments prior to the last glaciation at Wedron, Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 71; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156514.html.

Grimley, D. A., Geiger, Elizabeth, Phillips, Andrew, Webb, Nathan, and Stumpf, Andrew, 2009, Illinoian and pre-Illinoian paleoecology and paleoenvironments in central and southern Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 58; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper155150.html.

Ismail, Ahmed, Stumpf, Andrew, and Dey, William, 2009, Seismic characterization of glacial sediments in central Illinois based on downhole seismic measurements: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 373; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009AM/webprogram/Paper164511.html.

McKay, D. E., III, and Berg, R. C., 2009, Geologic mapping coalitions–addressing the need for a U.S. National commitment for three-dimensional geologic models and derivative maps: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 39; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2009AM/webprogram/Paper161552.html.

Petras, Justine, Stohr, Christopher, and Mikulic, Donald, 2009, Methodology and use of close range photogrammetry for geologic studies of inaccessible outcrops: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 67; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156109.html.

Thomason, J. F., and Brown, S. E., 2009, Interpreting subsurface glacigenic sequences–an example of using exposed ice-contact sediments as a model for mapping buried ice-margin deposits: Geological Society of America Abstracts with Programs, v. 41, no. 4, p. 71; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2009NC/webprogram/Paper156396.html.

Thomason, J. F., Keefer, D. A., and McKinney, C. L., 2009, Application of a 3-D geologic mapping and visualization program to advance water resource management in McHenry County, Illinois: Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 37; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2009AM/webprogram/Paper167023.html.

2008

Barnhardt, M. L., 2008, Surficial geology of Wheeling quadrangle, Lake and Cook Counties, Illinois: Illinois State Geological Survey, STATEMAP Wheeling-SG 2008, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/wheeling.

Brown, S. E., 2008, A tale of 4 ice lobes–the deglacial history of southern Michigan and northern Indiana after the last glacial maximum (Invited Lecture): Department of Geology Alumni/Shell Oil Company Distinguished Lecture Series, Michigan State University, March 27.

Curry, B. B., ed., 2008, Deglacial history and paleoenvironments of northeastern Illinois: 54th Midwest Friends of the Pleistocene Field Conference, May 16–18, 2008; Illinois State Geological Survey Open File 2008-1, 175 p.; accessed February 24, 2020, at URL http://library.isgs.illinois.edu/Pubs/pdfs/ofs/2008/ofs2008-01.pdf.

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, 2019, at URL http://gsa.confex.com/gsa/2008NC/webprogram/Paper138078.html.

Larson, D. R., 2008, Three-dimensional hydrostratigraphic model of the Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey draft report delivered to the U.S. Geological Survey at the January 15-16, 2008 Mapping Coalition meeting in Indianapolis.

Luman, D. E., 2008, 1939 historical aerial photography of Fox Lake quadrangle, Lake and McHenry County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, contract deliverable map, Fox Lake-AP 2008, scale 1:24,000.

Luman, D. E., and Brown, S. E., 2008, Landsat/DEM image Illinois-Indiana Valparaiso Moraine area (part of the 3-dimensional Space Portrait of Illinois): Illinois State Geological Survey, contract deliverable map/digital database, DVD only.

Stohr, Christopher, Kemmis, T. J., Stumpf, A. J., and Thomason, J. F., 2008, Using a reflectorless total station to remotely describe a deltaic kame terrace sequence in the Fox River valley, northeastern Illinois: Geological Society of America Abstracts with Programs, v. 40, no. 5, p. 12; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2008NC/webprogram/Paper136973.html.

Thomason, J. F., 2008, Bedrock topography of Fox Lake quadrangle, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map, Fox Lake-BT 2008, scale 1:24,000.

Thomason, J. F., 2008, Drift thickness of Fox Lake quadrangle, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map, Fox Lake-DT 2008, scale 1:24,000.

Thomason, J. F., 2008, Well locations of Fox Lake quadrangle, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map, Fox Lake-WL 2008, scale 1:24,000.

Thomason, J. F., 2008, 3-D lithostratigraphic model, 4-quadrangle (Antioch, Fox Lake, Wauconda, and Grayslake quadrangles) Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map.

Thomason, J. F., 2008, Bedrock topography, 4-quadrangle (Antioch, Fox Lake, Wauconda, and Grayslake quadrangles), Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map.

Thomason, J. F., 2008, Drift thickness, 4-quadrangle (Antioch, Fox Lake, Wauconda, and Grayslake quadrangles), Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map.

Thomason, J. F., and Barnhardt, M. L., 2008, Surficial geology of Fox Lake quadrangle, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, contract deliverable map, Fox Lake-SG 2008, scale 1:24,000.

2007

Stohr, C., 2007, Conventional elevation and location accuracy of boreholes used for geologic and hydrogeologic studies: Association of Engineering Geologists, v. 50, no. 4, p. 24–25.

Stumpf, A. J., 2007, Surficial geology of Streamwood quadrangle, Kane and Cook Counties, Illinois: Illinois State Geological Survey, STATEMAP Streamwood-SG 2007, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/streamwood.

Stumpf, A. J., 2007, Publishing interactive geologic maps in Adobe Acrobat: Illinois GIS Association (ILGISA) Spring conference, Springfield, Illinois, April 30–May 1, 2007, Program with Abstracts.

Stumpf, A. J., and Luman, D. E., 2007, An interactive 3-D geologic map for Lake County, Illinois, United States of America: Journal of Maps, p. 254–261.

Thomason, J. F., and Barnhardt, M. L., 2007, Surficial geology of Barrington quadrangle, Lake, McHenry, Cook, and Kane Counties, Illinois: Illinois State Geological Survey, STATEMAP Barrington-SG 2007, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/barrington.

Thomason, J. F., Barnhardt, M. L., and Stiff, B. J., 2007, 3-D mapping of glacigenic deposits in northeast Illinois–integrating modeling and visualization software, databases, and drilling: Geological Society of America Abstracts with Programs, v. 39, no. 6, p. 146; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2007AM/webprogram/Paper127249.html.

2006

Stumpf, A. J., 2007, Surficial geology of Lake Zurich quadrangle, Cook, and Lake Counties, Illinois: Illinois State Geological Survey, STATEMAP Lake Zurich-SG 2006, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/lake-zurich.

2005

Barnhardt, M. L., 2005, Methods and standards development for three-dimensional geologic mapping of the Antioch quadrangle, Lake County, Illinois–a pilot study: Illinois State Geological Survey Open File Series 2005-12, 72 p., CD; accessed February 24, 2020, at URL http://library.isgs.illinois.edu/Pubs/pdfs/ofs/2005/ofs2005-12.pdf.

Barnhardt, M. L., 2005, Surficial geology of the Libertyville quadrangle, Lake County, Illinois: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Libertyville-SG 2005, scale 1:24,000; Illinois State Geological Survey webpage, accessed December 12, 2019, at URL https://www.isgs.illinois.edu/maps/isgs-quads/surficial-geology/statemap/libertyville.

Hansel, A. K., 2005, Three-dimensional model–surficial geology of Antioch quadrangle, Lake County, Illinois: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-3D 2005; Illinois State Geological Survey webpage, accessed February 24, 2020, at URL https://www.isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-3d.pdf.

Luman, D. E., 2005, 1998–1999 digital orthophotography of Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-DO 2005, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 25, 2020, at URL https://isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-do.pdf.

Luman, D. E., Lund, D. M., and Luman, B. J., 2005, 1939 historical aerial photography of Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-AP 2005, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 25, 2020, at URL https://isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-ap.pdf.

Stiff, B. J., and Barnhardt, M. L., 2005, Well locations of Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-WL 2005, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 25, 2020, at URL https://isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-wl_0.pdf.

Stiff, B. J., Barnhardt, M. L., Hansel, A. K., and Larson, D. R., 2005, Aquifer maps for county planners in Lake County, Illinois; three-dimensional geologic mapping and aquifer sensitivity classification for the Antioch quadrangle, *in* Russell, H. A. J., Berg, R. C., and Thorleifson, L. H., Three-dimensional geologic mapping for groundwater applications workshop, Salt Lake City, Utah, October 15, 2005; Geological Society of America Annual Meeting, Extended Abstracts: Geological Survey of Canada Open-File Report 5048, p. 89–92.

Stohr, C. J., Stumpf, A. J., Stiff, B. J., Walgren, Drew, and Sonie, Nakhil, 2005, Downhole, natural-gamma logging in support of geologic mapping and hydrogeologic investigations in northeastern Illinois: Midwest Ground Water Conference, Urbana, Illinois, November 1–3, 2005, Program with Abstracts, p. 49; accessed February 26, 2020, at URL https://www.ideals.illinois.edu/bitstream/handle/2142/55840/ofs2005-13.pdf?sequence=2.

Stumpf, A. J., 2005, How much data is enough? Detailed geologic mapping near a Superfund site, Wauconda, Illinois, *in* Russell, H. A. J., Berg, R. C., and Thorleifson, L. H., Three-dimensional geologic mapping for groundwater applications workshop, Salt Lake City, Utah, October 15, 2005; Geological Society of America Annual Meeting, Extended Abstracts: Geological Survey of Canada Open-File Report 5048, p. 89–92.

Stumpf, A. J., and Barnhardt, M. L., 2005, Surficial geology of Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-SG 2005, scale 1:24,000; Illinois State Geological Survey webpage, accessed March 3, 2020, at URL https://isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-sg.pdf.

Stumpf, Andrew, and Hansel, Ardith, 2005, Cooperative geologic mapping for applied Earth science in Wauconda, Illinois: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 146; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2005AM/webprogram/Paper92280.html.

2004

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

Dixon-Warren, A. B., and O'Malley, S. M., 2004, Bedrock topography of Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-BT 2004, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 25, 2020, at URL https://www.isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-bt.pdf.

Dixon-Warren, A. B., and O'Malley, S. M., 2004, Drift thickness of Antioch quadrangle, Lake County, Illinois and Kenosha County, Wisconsin: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Antioch-DT 2004, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 25, 2020, at URL https://www.isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/antioch-dt.pdf.

Dixon-Warren, A., Hansel, A., Stiff, B., Barnhardt, M., Stohr, C., and Stumpf, A., 2004, Challenges with managing and distributing digital geologic products in northeastern Illinois: 47th Annual Meeting of the Association of Engineering Geologists, Dearborn Michigan, September 26–October 1, 2004, Program with Abstracts, p. 41.

Hansel, A. K., Stiff, B. J., Larson, D. R., Barnhardt, M. L., and Stumpf, A. J., 2004, Using 3-D models to visualize the hydrogeologic setting for groundwater resources planning: Geological Society of America Abstracts with Programs, v. 36, no. 5, p. 576; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2004AM/webprogram/Paper79394.html.

Pugin, A. J. M., Larson, T. H., and Sargent, S., 2004, 3.5 km/day of high resolution seismic reflection data using a landstreamer: Symposium of the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), v. 2004, p. 1,380–1,388.

Stohr, C. J., Curry, B. B., Dixon-Warren, A. B., Barnhardt, M. L., Larson, D. R., Phillips, A. C., Stumpf, A. J., Duval, J. S., Guttmann, Brent, and Korth, Daniel, 2004, Downhole geophysical logging for Quaternary mapping applied to hydrogeologic and environmental issues: Geological Society of America Abstracts with Programs, v. 36, no. 3, p. 44; Geological Society of America webpage, accessed February 26, 2020, at URL http://gsa.confex.com/gsa/2004NC/webprogram/Paper71449.html.

Stohr, C., Duval, J., Keith, K., and Dixon-Warren, A., 2004, Downhole, natural-gamma logging for engineering and environmental applications of Quaternary geologic mapping: AEG news 47, Program with abstracts, p. 54–55.

Stumpf, A. J., 2004, Surficial geology of Grayslake quadrangle, Lake County, Illinois: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Grayslake-SG 2004, scale 1:24,000; Illinois State Geological Survey webpage, accessed March 3, 2020, at URL https://www.isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/grayslake-sg.pdf.

Stumpf, A. J., Barnhardt, M. L., and Hansel, A. K., 2004, Quaternary geology of the Wauconda quadrangle, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, Illinois Preliminary Geologic Map, IPGM Wauconda-SG 2004, scale 1:24,000.

2003

Barnhardt, M. L., Stiff, B. J., Hansel, A. K., Stumpf, A. J., Dixon-Warren, A. B., Luman, D. E., and Stohr, C. J., 2003, New protocols, processes, products, and applications of 3-D geologic mapping in northeastern Illinois: Geological Society of America Abstracts with Programs, v. 35, no. 6, p. 66; Geological Society of America webpage, accessed March 3, 2020, at URL https://gsa.confex.com/gsa/2003AM/webprogram/Paper64119.html.http://gsa.confex.com/gsa/2003AM/webprogram/Paper64119.html

Dixon-Warren, A. B., and Stohr, C. J., 2003, Natural gamma-ray logging of Quaternary sediments: The Professional Geologist, v. 40, p. 2–5.

Dixon-Warren, A. B., Hansel, A. K., and Stohr, C., 2003, Using natural gamma-ray logging to characterize Quaternary sediments for geologic mapping and 3-D modeling [abstract]: Canadian Quaternary Association–Canadian Geomorphology Research Group Joint Meeting, p. A-21.

Dixon-Warren, A. B., Pugin, A. J. M., and Stohr, C. J., 2003, Profiling Quaternary sediments using subsurface geophysical techniques: Geological Society of America Abstracts with Programs, v. 35, no. 6, p. 66; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2003AM/webprogram/Paper62158.html.

Hansel, A. K., Barnhardt, M. L., Stumpf, A. J., and Stiff, B. J., 2003, Three-dimensional geologic mapping and groundwater applications in northeastern Illinois: Geological Society of America Abstracts with Programs, v. 35, no. 6, p. 66; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2003AM/webprogram/Paper61566.html.

Pugin, A. J. M., Larson, T. H., and Sargent, Steven, 2003, A landstreamer to navigate on Midwest roads: Geological Society of America Abstracts with Programs, v. 35, no. 6, p. 66; Geological Society of America webpage, accessed December 11, 2019, at URL http://gsa.confex.com/gsa/2003AM/webprogram/Paper61995.html.

Stumpf, A. J., Hansel, A. K., and Barnhardt, M. L., 2006, Geologic mapping of glacial drift aquifers in the Greater Chicago Area of Illinois: Illinois State Geological Survey Open File 2003-17, 6 p.; accessed February 25, 2020 at URL http://library.isgs.illinois.edu/Pubs/pdfs/ofs/2003/ofs2003-17.pdf.

2002

Dixon-Warren, A. B., 2002, Integrating natural gamma-ray logging into a 3-D geologic mapping program: North Central Section, Association of Engineering Geologists meeting, Chicago, Illinois.

Dixon-Warren, A. B., 2002, Using borehole geophysics to characterize glacial sediments for 3-D modeling: Association of Engineering Geologists Annual Meeting, Reno, Nevada.

Hansel, A. K., Stumpf, A. J., and Barnhardt, M. L., 2002, Developing a preliminary 3-D model of the Quaternary geology of the Wauconda quadrangle: Abstracts with Programs, Geological Survey of Canada Open-File 1449, p. 23–26.

Hansel, A. K., Stumpf, A. J., and Barnhardt, M. L., 2002, Quaternary geology of the Wadsworth quadrangle–3D model, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, STATEMAP Wauconda-SG 2002.

Phillips, A. C., Rhoads, B. L., McTighe, T. J., and Klaus, C., 2002, Stream dynamics assessment, Illinois River basin: Contract Report DACW25-98-D-0017, United States Army Corps of Engineers, Rock Island, Ill., 65 p.

Phillips, A. C., Rhoads, B. L., McTighe, T. J., and Klaus, Courtney, 2002, Photoanalytic assessment of dynamics in tributary streams of the Illinois River basin: Geological Society of America Abstracts with Programs, v. 34, no. 2, p. 32; Geological Society of America webpage, accessed December 11, 2019, at URL https://gsa.confex.com/gsa/2002NC/webprogram/Paper32105.html.

Pugin, A. J. M, Larson, T. H., and Phillips, A. C., 2002, Shallow high-resolution shear-wave seismic reflection acquisition using a land-streamer in the Mississippi River flood plain–potential for engineering and hydrogeologic applications: Symposium on the application of geophysics to environmental and engineering problems, February 10–14, 2002, Las Vegas, Nevada, Proceedings, p. 3–12.

Stiff, B., 2002, Developing a working database for mapping and modeling in Illinois, *in* Soller, D. R. ed., Digital Mapping Techniques '02: Workshop Proceedings, U.S. Geological Survey Open-File Series 02-370, p. 21–28.

Stravers, J., Welsh, C., and Kulczycki, D., 2002, Quaternary geologic map of the Barrington quadrangle, in cooperation with the Illinois State Geological Survey: IL-EDMAP Barrington, scale 1:24,000; Illinois State Geological Survey webpage, accessed February 25, 2020, at URL https://www.isgs.illinois.edu/sites/isgs/files/maps/isgs-quads/barrington-ed-sg.pdf.

Stumpf, A. J., Barnhardt, M. L., and Hansel, A. K., 2002, Surficial geology of the Wauconda quadrangle, IL: Map delivered to U.S. Geological Survey as part of STATEMAP contract, August, includes cross sections, map legend with descriptions, and text.

Stumpf, A. J., Barnhardt, M. L., and Hansel, A. K., 2002, Quaternary geology of the Wauconda quadrangle, Lake and McHenry Counties, Illinois: Illinois State Geological Survey, STATEMAP Wauconda-SG 2002, scale 1:24,000.

2001

Barnhardt, M. L., Hansel, A. K., and Stumpf, A. J., 2001, Developing the database for 3-D modeling–acquiring, assembling, verifying, assessing, interpreting, and integrating source data, *in* Berg, R. C., and Thorleifson, L. H., conveners, Geological models for groundwater flow modeling–Workshop extended abstracts: Illinois State Geological Survey Open-File Series Report 2001-1, p. 6; Illinois State Geological Survey webpage, accessed February 25, 2929, at URL http://library.isgs.illinois.edu/Pubs/pdfs/ofs/2001/ofs2001-01.pdf.

Barnhardt, M. L., Stumpf, A. J., and Pugin, Andre, 2001, Quadrangle-scale mapping of Quaternary deposits in northeastern Illinois: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 1,591; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2001AM/webprogram/Paper23810.html.

Barnhardt, M. L., Stumpf, A. J., Hansel, A. K., and Berg, R. C., 2001, Surficial geology of the Wadsworth quadrangle, IL-WI: Map delivered to U.S. Geological Survey as part of STATEMAP contract, August.

Barnhardt, M. L., Stumpf, A. J., Hansel, A. K., and Berg, R. C., 2001, Quaternary geology of the Wadsworth 7.5' quadrangle, Lake County Illinois, Kenosha County, Wisconsin: STATEMAP Wadsworth-SG 2001, scale 1:24,000.

Dixon-Warren, A., and Stohr, C., 2001, Mapping groundwater aquifers using borehole geophysics in Illinois: Association of Engineering Geologists News, v. 44, p. 59.

Hansel, A. K., Stiff, B. J., and Pugin, Andre, 2001, Creating a regional 3-D model of Quaternary deposits for mapping projects in northeastern Illinois: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 1,590; Geological Society of America webpage, accessed March 3, 2020, at URL http://gsa.confex.com/gsa/2001AM/webprogram/Paper23738.html.

Phillips, A. C., Abert, C., and Pugin, A., 2001, Mapping the American Bottoms Region of the Mississippi River–new insights from high-resolution seismic reflection tests using shear waves and 3-D modeling: Fluvial Sedimentology 2001, Proceedings 7th International Conference on Fluvial Sedimentology, August 2001, Lincoln, Nebraska, p. 226.

Phillips, A. C., and Shilts, W. W., 2001, Geological history of the Illinois River Watershed: Governor's Conference on the Management of the Illinois River System, Proceedings, Peoria, Illinois, October 2001, p. 25–34.

2000

Barnhardt, M. L., Stumpf, A. J., and Pugin, A., 2000, Quadrangle-scale mapping in support of 3-D modeling of Quaternary deposits in northeastern Illinois: Contract deliverable map (cooperative effort with STATEMAP project), scale 1:24,000.

Stohr, C., and Dixon-Warren, A., 2000, Profiling Quaternary sediments using natural gamma logging in northeastern Illinois: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. A-19.

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, accessed December 11, 2019, at URL http://pubs.usgs.gov/pdf/of/ofr99349/.

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 11, 2019, 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 11, 2019, at URL http://pubs.usgs.gov/fs/fs153-99/fs153-99.pdf.

PowerPoint Presentations

2006

Barnhardt, M. L., 2006, Mapping and 3-D modeling of Quaternary sediments Lake County, Illinois–an overview and update, co-presentation with D. Larson to the Barrington Area Council of Governments Executive Board, Lake Barrington, Illinois, February 28, 2006; co-presentation with D. Larson to the Long Grove Board of Trustees, Long Grove, Illinois, April 25, 2006.

Brown, S. E., 2006, Central Great Lakes Geologic Mapping Coalition; overview of mapping in northeastern Illinois, co-presentation with D. Larson and J. Thomason to the Lake County sanitarians, Libertyville, Illinois, December 12, 2006.

Larson, D., 2006, 3D hydrostratigraphic model of the Antioch 7.5' Quad Lake County, Illinois, co-presentation with Mike Barnhardt to the Barrington Area Council of Governments Executive Board, Lake Barrington, Illinois, February 28, 2006; co-presentation with Mike Barnhardt to the Long Grove Board of Trustees about the ISGS field efforts for the Mapping Coalition and 3D hydrogeologic modeling, Long Grove, Illinois, April 25, 2006.

Larson, D., 2006, Groundwater basics–concepts, terms, and definitions; Overview of Illinois and north-eastern Illinois hydrogeology, co-presentation with Steve Brown and Jason Thomason as part of the Lake County Health Department's Water Well Program Training Session, Libertyville, Illinois, December 12, 2006.

Larson, D., 2006, Hydrogeologic mapping and 3D hydrostratigraphic model of the Antioch 7.5' Quad Lake County, Illinois; presented at the Central Great Lakes Geologic Mapping Coalition meeting, Indianapolis, Indiana, January 11–12, 2006.

Thomason, J. F., 2006, Understanding the glacial deposits of Illinois, co-presentation with D. Larson and S. Brown to the Lake County sanitarians, Libertyville, Illinois, December 12, 2006.

2005

Larson, D., 2005, Developing a 3D hydrostratigraphic model for the Antioch 7.5' Quad, Lake County, Illinois: presented with Richard Hilton and Richard Knodel, Lake County, and Chris Stohr, Sarah Rittenhouse, Barb Stiff, John Sieving, Dick Berg, and Mike Barnhardt, Illinois State Geological Survey, April, 21, 2005.