

Kenton Geier

kgeier@illinois.edu

Education

- 2004 Bachelor of Science in Electrical Engineering cum laude
Northern Illinois University, DeKalb, IL 60115
- 2000 Associate of Science
Elgin Community College, Elgin, IL 60123-5334
- 1985 Associate of Applied Science in Electronics Technology
Elgin Community College, Elgin, IL 60123-5334
- 1985 Basic Vocational Specialist in Digital and Micro-Computer Applications
Elgin Community College, Elgin, IL 60123-5334

Professional Appointments

2014-present Illinois State Archaeological Survey (ISAS) / Prairie Research Institute
University of Illinois at Urbana-Champaign
Archaeological Technician II (2014)
Archaeological Technician III (2015)
Research Archaeologist (2022)
Scientific Specialist, Archaeology (2024)

- Compile all archival, geographic and relevant information necessary for project areas and site investigations.
- Field check project areas, submit utility marking requests and interact with landowners as necessary.
- Conduct fieldwork through pedestrian survey and shovel testing to identify archaeological materials and sites.
- Document site locations in the field using GPS and sketch maps and record soil characteristics.
- Process artifacts and field documentation for site reporting, data inclusion in a variety of reports and eventual curation.
- Produce detailed maps, spreadsheets and ASSR reports using Microsoft Word, Excel, Adobe and ArcGIS Pro 3.2.1 in accordance with ISAS guidelines and NRHP eligibility requirements.

- Northern Illinois Field Station manager of the Illinois Inventory of Burial Sites (IIBS).
Duties include: assembling pre-field maps and documentation, contacting landowners, locating, mapping and photographing mounds. Subsequent production of site forms, site corrections, PDF's and updating of ISAS IIBS File Maker database and field station Excel spreadsheet. Duties also include supervision and training of co-workers.
- Specializing in analysis of lithic debris, projectile points, tools and raw material identification. Instruction of new hires in methods and use of reference resources.
- 200 projects as crew member/crew chief of the Northern Illinois Field Station survey crew, including five testing projects (11DU604, 11SH251, 11CK1, 11CK143, and 11CK53).
- Completed inventory, revised and updated spreadsheet and developed a searchable database for a large private collection of prehistoric artifacts that was donated to ISAS (Steve Johnson collection).
- Supervised Green Corp and Youth Ambassadors for multiple field survey programs on Cook County Forest Preserve parcels.

Other Relevant Experience and Training

2011-2013 Midwest Archaeological Research Services (MARS) – Field crew (pedestrian survey, shovel testing, Phase II testing).

Illinois Historic Preservation Office ARPA Certification

First Aid/CPR/AED Certified from American Red Cross

Paradigm Liaison Services Pipeline Safety Training

Railroad Safety Training

Volunteer/avocational work –

- Located, documented and reported 20 Prehistoric sites on private property in Kane County, Illinois
- 500+ hours historic and prehistoric artifact processing for Sauk Trail chapter of the IAAA and Midwest Archaeological Research Services
- 5 weeks prehistoric and historic excavations at 11WO256 (Macktown)
- 2 weeks historic excavations at 11MH424 (Pringle school)
- Excavations (1 week or less): 11L344(Hawks nest), 11HY296(DeWulf), 11WI213(New Lennox), 11L337(Garrison), 11K246, 11MH232, 11WI2807, 11WO506, 11K1194 and the Gottschall site 47Ia80.

Experimental archaeology- 30+ years' experience in multiple disciplines including flint knapping, ground stone tool manufacture, heat treating, pottery manufacture/firing and tool replication (bone, hafted axes, atlatls and spears).

Publications and Reports

Completed ASSRS

2023 Authored/Co-Authored 12 Archaeological Survey Short Reports.

Geier, Kenton and Clare Tolmie

2022 *CH 21/Geneva Road over West Branch DuPage River, Winfield and West Chicago Addendum A*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22144, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton

2022 *TR 59/Babler Road over Brush Creek, Southeast of Orangeville*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22137, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton

2022 *FAU 2714/25th Avenue over Salt Creek, Near La Grange Park*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22102, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton

2022 *OR 213/119th Street Improvements, Palos Park*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22087, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton

2022 *FAU 3870/Lakewood Road Multi-Use Path and Road Improvements, Lake in The Hills*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22072, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Meizis, Marie, **Kenton Geier** and Clare Tolmie

2022 *CH15/Harrison Road Culvert Replacement*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22039, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton and Clare Tolmie

2022 *MS 2300/Genesee Court over Rock Creek, Morrison*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22011, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton

- 2022 *FAY1249/FAU 2574, Old McHenry Road/Quentin Road Railroad Crossing Improvements*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 21085, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton and Clare Tolmie

- 2021 *Millennium Trail, Ethel's Woods to Pine Dunes Forest Preserve*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 21045, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton and Clare Tolmie

- 2021 *CH21/Geneva Road over West Branch DuPage River, Winfield and West Chicago*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 21011, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton and Clare Tolmie

- 2021 *Des Plaines River Trail South Extension, Brookfield, Lyons, and Riverside*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 21003, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Geier, Kenton

- 2021 *FAU 165/West Solon Road Bridge over North Branch Nippersink Creek*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 21001, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Benish, Jenny and **Kenton Geier**

- 2016 *Dan Ryan Woods Recreation and Drainage Improvements, Forest Preserves of Cook County Capital Improvement Project*. IHPA CRM Report Archive Doc. No. 23115. Archaeological Survey Short Report, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Benish, Jenny, **Kenton Geier** and Luke Cavallaris

- 2016 *Deer Grove West Woodland and Wetland Nature Preserve Hydrological Restoration*. IHPA CRM Report Archive Doc. No. 21798. Archaeological Survey Short Report, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign

In progress ASSR's

Porubcan, Paula, Kjersti Emerson, **Kenton Geier**, Kristin Hedman, Steve Kuehn, and Kimberly Schaefer

2022 *Huber Site (11CK1) – Looter Pit Investigations and Limited Test Excavations, FPCC Natural and Cultural Resources Master Plan Project PFCC-149*. Archaeological Survey Short Report. Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

ComEd Utility Corridor Shared-Use Path, Orland Park.

IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Survey Short Report No 22154, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

In progress ATSR

Clare Tolmie, **Kenton Geier** and Steven Keuhn

In progress *Report on the 1984 Investigations at 11MY13, Sholes River Bridge, Montgomery County, Illinois*. IHPA CRM Report Archive Doc. No. not yet assigned. Archaeological Testing Short Report No. Not Yet Assigned, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign.

Professional Presentations

Tolmie, Clare, Lauren Fitts, Luke Cavallaris, **Kenton Geier** and Paula Bryant

2018 *Along the Rock River From Byron to Rockford: Results of Recent Fieldwork*. Paper presented at the 62nd Annual Midwest Archaeological Conference, Notre Dame, South Bend, Indiana.

Outreach

2023

Oct. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Indigenous Peoples Day at the Elgin Public Museum.

Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.

Sept. - Flintknapping demonstration. Archaeology Day at Elk Grove Village Historical Museum, Elk Grove Village, IL.

Aug. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Inaugural Cook County Forest Preserve Chicago Portage Day, Portage Woods Forest Preserve, Lyons, IL.

Apr. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. STEM-CON Event- Archaeology Station. College of DuPage, Glen Ellyn, IL.

2022

- Oct. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Indigenous Peoples Day at the Elgin Public Museum.
- Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.
- July - Four days demonstrating flintknapping, woodcutting with a stone axe and conducting artifact identification workshops. Discussion of archaeology, analysis and dating of artifacts.

2021

- Nov. - Flintknapping demonstration for Greencorps Chicago. Orientation, Dan Ryan Woods, Forest Preserves of Cook County, Chicago, IL.
- Oct. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.
- Sept. - Flintknapping demonstration. Archaeology Day at Elk Grove Village Historical Museum, Elk Grove Village, IL.
- July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.
- May - Supervise and Assist Canyon Camp Boy Scouts of America (Stockton, IL) with clearing of brush from Mounds 1, 2, and 3 of Morris Roberts Group 11JD18 (HSRPA permit 2021-003).

2020

- July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.

2019

- Nov. - Public engagement, spear throwing with atlatls. Settlers' Day at Sand Ridge Nature Center in South Holland, IL.
- Nov. - Question and answer event for Elgin Historical Society Volunteers about NIFS work on the Nancy Kimball House, Elgin, IL.
- Sept. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Native American Cultural Day at the Elgin Public Museum.
- Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.
- Sept. - Flintknapping demonstration. Archaeology Day at Sand Ridge Nature Center for the Cook County Forest Preserve, South Holland, IL.
- Aug. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Teen Exploration Day at Powderhorn Lake for the Cook County Forest Preserve, Burnham, IL.
- July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.
- June - Flintknapping demonstration, student engagement - woodcutting with stone celt,

spear throwing with atlatl. MARS field school, Macktown Living History Education Center, Rockton, IL.

2018

- Nov. - Prehistoric artifact workshop. Hal Tyrrell Trailside Museum of Natural History, River Forest, IL.
- Oct. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Native American Cultural Day at the Elgin Public Museum.
- Sept. - Flintknapping/groundstone tool demonstration. University of Illinois Master Naturalist Program, Blue Star Memorial Woods, Glenview, IL.
- Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.
- Aug. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Teen Exploration Day at Powderhorn Lake for the Cook County Forest Preserve in Burnham, IL.
- July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.

2017

- Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.
- Aug. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Teen Exploration Day at Powderhorn Lake for the Cook County Forest Preserve in Burnham, IL.
- July - Flintknapping demonstration, general discussion of projectile dating, hafting, chert sources and atlatl use. Youth Ambassador Interns, NIFS, Elgin, IL.
- July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.
- June - Flintknapping demonstration, student engagement - woodcutting with stone celt, spear throwing with atlatl. MARS field school, Macktown Living History Education Center, Rockton, IL.
- June - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Trailside Museum's 85th Anniversary Event, Hal Tyrrell Trailside Museum of Natural History, River Forest, IL.

2016

- Dec. - GreenCorps Intern Graduation Ceremony at Garfield Park Conservatory.
- Oct. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Native American Cultural Day at the Elgin Public Museum.
- Sept. - Flintknapping demonstration, public engagement spear throwing with atlatls. Master Naturalist program, Thatcher Woods, River Forest, IL.
- Sept. - Flintknapping demonstration. Party in the preserves, camp Dan Beard, Northbrook, IL.
- Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell

and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.

Aug. - Flintknapping demonstration, general discussion of Hopewell and Mississippian cultures. Teen Exploration Day at Powderhorn Lake for the Cook County Forest Preserve in Burnham, IL.

July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.

2015

Oct. - Flintknapping demonstration, general discussion of projectile dating, hafting, chert sources and atlatl use. Fall Festival, River Trail Nature Center, Northbrook, IL.

Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.

Sept. - Flintknapping demonstration. 100 Years / 100 Events – Forest Preserves of Cook County, Oak Forest Heritage Preserve, Oak Forest, IL.

Sept. - Flintknapping demonstration. 100 Years / 100 Events – Forest Preserves of Cook County, Shabbona Woods, South Holland, IL.

Aug. – Public outreach/engagement. General discussion of archaeology and assist public in the use of microdrills to make beads. Illinois State Fair, Springfield, IL.

July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve.

2014

Sept. - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Powers Walker House; Glacial Park Conservation Area, Ringwood, IL.

July - Demonstration of ground stone tool technology, general discussion of Hopewell and Mississippian time periods. Archaeology Day/Artifact ID. Byron Forest Preserve at Jarret Prairie Nature Preserve

2013-1990's

15+ Flintknapping/groundstone demonstrations at Glacial Park Conservation Area, Ringwood, IL.

5+ Flintknapping demonstrations at Elgin Public Museum

5+ Flintknapping demonstrations at Elk Grove Historical Museum

Selected Archaeological Analysis

2021- Huber Phase occupation site: lithic analysis of chipped stone and ground stone artifacts for 11CK1 (ASSR in progress) documenting test excavations conducted in 2019 and 2020.

2021- Multicomponent (Archaic through Mississippian) camp/occupation site: lithic analysis of chipped stone and ground stone artifacts for 11MY13 (ATSR in progress) documenting multiple surface collections and test excavations conducted in 1984.

Selected Archaeological Fieldwork

2023 Oak Forest Site (11CK53) excavations, Oak Forest Heritage Preserve, Oak Forest, Il.
2023 Geophysical Survey (11WT33) McCune Site, Sterling, Il.
2023 Geophysical Survey (11WI4027) Pilcher Park, Il.
2020 Huber Site (11CK1) excavations, Elizabeth Conkey Forest preserve, Crestwood, Il.
2020 Log 20091 shovel testing. *FAP 1349, Devon Avenue over the Des Plaines River, Des Plaines, Park Ridge, and Rosemont.* Crew chief
2020 Log 20003 shovel testing. FAP 0341, US41, Caldwell Ave, Toughy Ave, North Branch Trail Connection Cook County. Crew chief
2019 Huber Site (11CK1) excavations, Elizabeth Conkey Forest preserve, Crestwood, Il.
2019 Log 18122 shovel testing. *FAP 301/US 20 Erosion Repairs, Galena.* Crew chief
2017 Log 17065 shovel testing/walkover. FAP 742 IL2 Byron to Beltline Road, Ogle County. Crew/Crew chief

Independent Research Projects

2021-2024 Currently working on a preliminary analysis of the Morris Roberts Mound group relating mound locations to solar/lunar alignments and distant constellations.

Professional Affiliations

Illinois Archaeological Survey (IAS) 2017-2024
Lifetime member Illinois Association for the Advancement of Archaeology (IAAA)