



2017 Schaub Family Farm Archaeological Survey

BRADLEY HUSEMANN*

bshusemann@gmail.com

*Cultural Field Technician, Cardno JFNew

Keywords: Prehistoric, historic, lithics, survey, midwest, Illinois

In early 2017, an archaeological survey was conducted across a large section of the Schaub family farm in northeastern Peoria County, Illinois. The purpose of the survey was to locate and delineate any and all archaeological sites within the defined survey area and register them with the Illinois State Museum. One previously unknown site, newly registered as Site 11P852, was discovered within the survey area; this site includes a prehistoric component and two separate historic components. The prehistoric component consists entirely of lithic remains, chiefly lithic debitage, as well as several tools or tool fragments. Diagnostic prehistoric artifacts found across the site indicate that it was occupied by Native Americans over a period of thousands of years, possibly as early as the Early Archaic Period (8000–6000 BCE). The westernmost historic component is a scatter of surface artifacts in a tilled agricultural field, while the easternmost historic component contains three intact features, including a cellar pit and a brick vault cistern, as well as several surface and subsurface artifacts. The integrity of the site varies, as large areas have been damaged by plowing or erosion, whereas other portions have remained relatively intact.

In March and April of 2017, the author conducted an archaeological survey on a farm owned by the Schaub family in Peoria County, Illinois. The goal was to locate any previously unknown archaeological sites within the study area, by identifying any surviving artifacts or features. Such an endeavor could potentially yield new information about North America's history and/or prehistory, especially if a new site (or sites) were found. If any sites were found, the survey's goal was also to determine the age or cultural affiliation of the remains, their exact horizontal and stratigraphic location, and finally, to evaluate whether the remains were intact enough, and significant enough, to offer meaningful information. Prior to fieldwork, some background research was

* Bradley Husemann holds a Bachelor of Arts in History from Bradley University in Peoria, IL (2011) and a Graduate Certificate in Geographic Information Science in Archaeology from the University of West Florida in Pensacola, FL (2017). He was also briefly enrolled at Southern Illinois University in Carbondale, IL, when he attended the university's field school at the Kincaid Mounds Archaeological Site. He has been working as an archaeological field technician for various engineering and environmental consulting firms since the summer of 2011. He has also participated in archaeological surveys and excavations throughout the eastern half of the United States.

conducted on the farm; environmental data and historic maps were consulted in order to provide context for the survey. During the survey, both prehistoric and historic artifacts were recovered and mapped. The presence of diagnostic artifacts and features indicates that the site may offer considerable data for future research.

The survey was intended to answer the following research questions:

1. What archaeological sites, if any, are located within the survey area?
2. What kinds of archaeological deposits (i.e., artifacts, features), if any, are located within the survey area?

If any archaeological deposits were discovered over the course of the survey, the following research questions would be addressed:

1. What is the horizontal and vertical distribution of archaeological deposits within the survey area?
2. What is the approximate temporal and/or cultural affiliation of the archaeological deposits within the survey area?
3. Do any of the archaeological deposits retain enough integrity to offer meaningful data for interpretation?

Environmental and Cultural Background
The study area is located on the Schaub family farm, a tract of approximately 300 acres in Central Illinois. The Schaub farm is a combination of agricultural land, Conservation Reserve Program (CRP) prairie grass, and secondary growth forest (see 1). It is split between Hallock and Chillicothe Townships in northeastern Peoria County, Illinois; the nearest town is North Hampton, a small, unincorporated community located in Hallock Township. The larger town of Chillicothe lies approximately three kilometers to the south, and the Illinois River lies roughly three kilometers to the east.

No prior archaeological study had ever taken place on the property; however, landowner Tony Schaub offered some anecdotal accounts of projectile point/knives found on the farm. These artifacts were no longer in his possession, so they could not be examined; furthermore, they would have had no clear provenience.

Environmental Background
The farm is located within the vicinity of several ecological regions, or “ecoregions,” as designated by the Environmental Protection Agency (EPA). It lies entirely within an ecoregion known as the River Hills, which consists of the steep bluffs that rise above the Illinois River, dissected in many places by narrow creeks (Agency, 2015). This ecoregion could be very suitable for early human habitation, given the combination of high ground and easy access to running water (see fig. 2).

The current terrain of the Schaub farm can be divided into upland terraces and lowland floodplains. On the map below (fig. 3), the floodplains are identified as “frequently flooded” soil types.

The formation of the upland areas was influenced by glacial activity during the Pleistocene Epoch. The most recent glaciation was the Wisconsin Glacial Episode, which affected what is now Northern Illinois from approximately 23,000 to 11,500 BCE, though the glaciation lasted longer in other parts of North America (Ehlers, 2004). During this time, the Laurentide Ice Sheet covered much of Northern Illinois, including what is

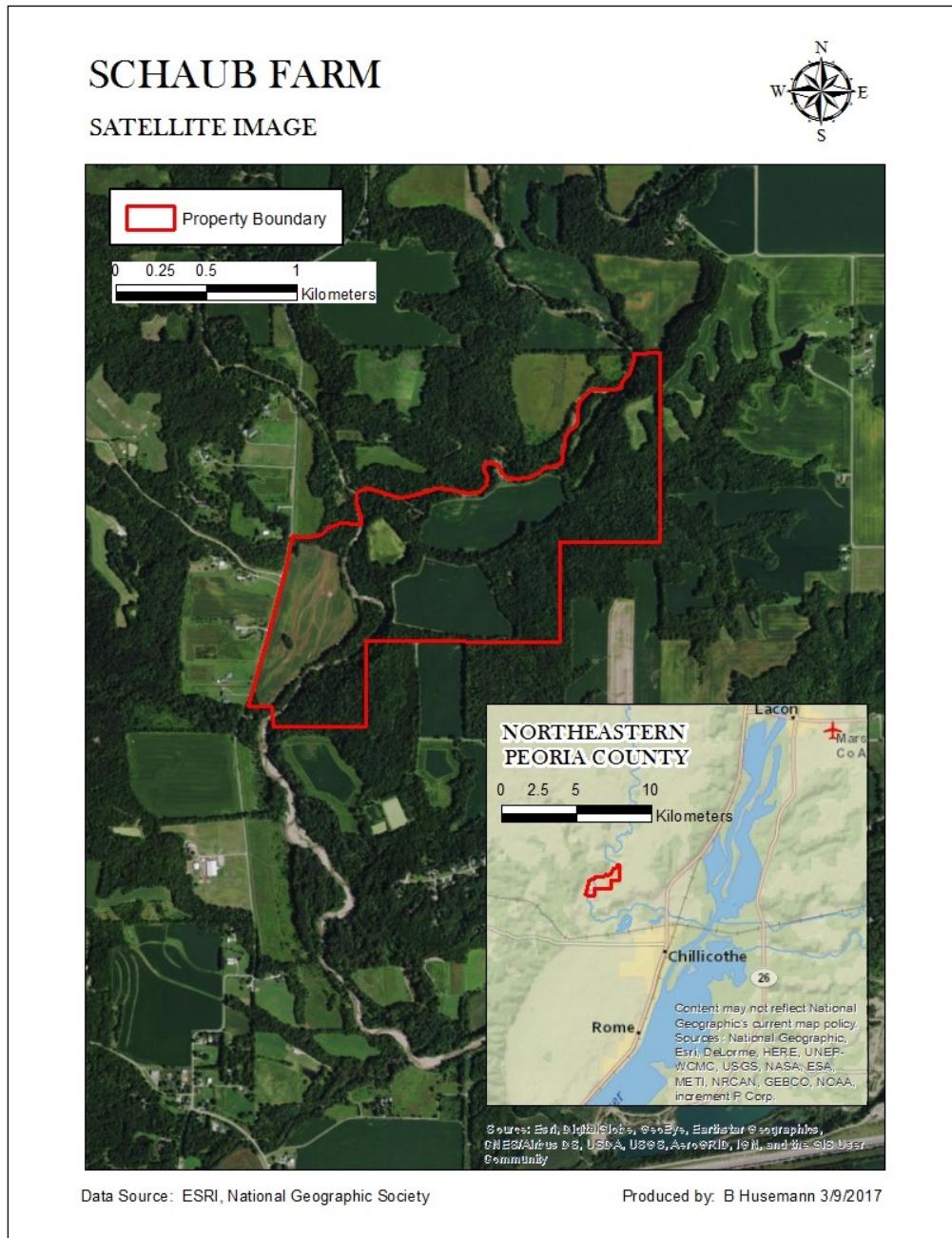


Figure 1: Satellite image of Schaub farm

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now the Schaub farm. As the ice sheet receded, meltwaters from the glacier carried silt particles out onto the lower plains, and the wind picked up these particles and deposited them on upland areas, as periglacial loess. Because this accumulation of loess mainly occurred during the glacial episodes, there has probably been very little new deposition on these upland landforms since the end of the Pleistocene (Carroll, 1970). Without

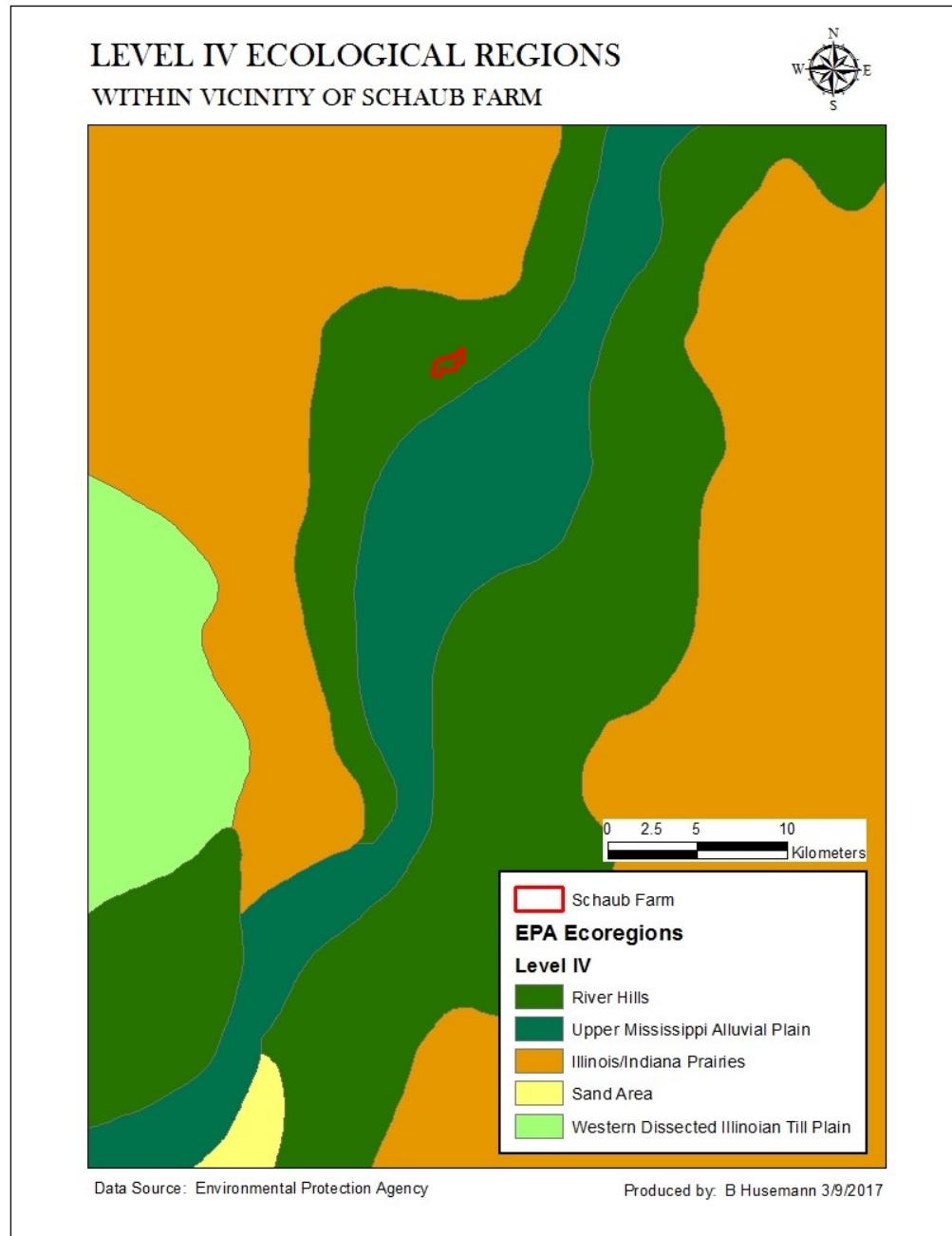


Figure 2: Map of ecological regions near Schaub farm
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any deposition of new sediment to bury cultural remains, any artifacts left on these upland areas since 11,500 BCE would probably be located at or near the ground surface, without any chronological stratification.

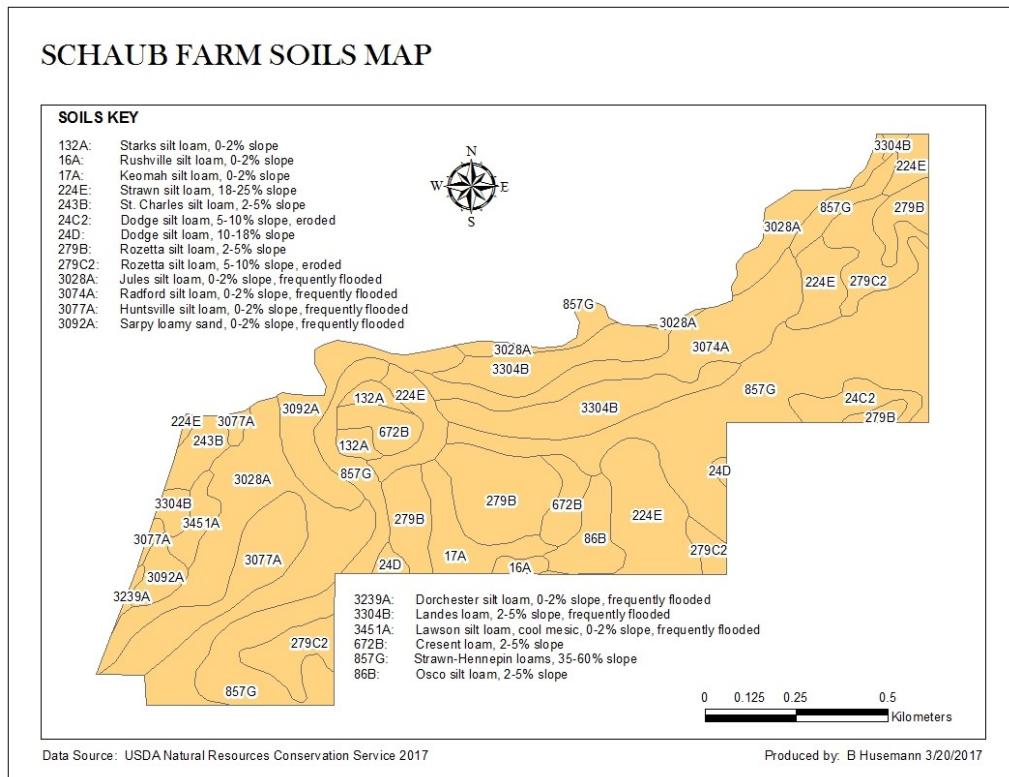


Figure 3: Map of soil types within Schaub farm

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Because the lowland areas are prone to flooding, much of the sediment there is likely alluvial in origin, and its deposition could possibly be much more recent than that of the upland loess. If this were so, then some cultural remains could be buried deep beneath the recent sediment, leading to a possible chronological stratification of artifacts.

The earliest inhabitants of Central Illinois were prehistoric Native Americans. Before the arrival of Europeans, the indigenous people of eastern North America (the “Eastern Woodlands”) underwent four major cultural phases (the dates of which are very subjective, and vary by region):

- Paleoindian Period (first arrivals-8000 BCE)
- Archaic Period (8000-1000 BCE)
- Woodland Period (1000 BCE-700 CE)
- Mississippian Period (700-1700 CE)

The basic chronology of the Eastern Woodlands is as follows: the continent’s first inhabitants (the “Paleoindians”) were hunter-gatherers. Their descendants during the Archaic Period continued to live primarily as hunter-gatherers, but they made new technological innovations, such as the creation of ground-stone artifacts, and projectile point/knives with notched or stemmed bases. Later, during the Woodland Period, the people of the Eastern Woodlands began to develop agriculture, particularly the cultivation of maize,

Cultural Background

but still relied heavily on hunting and gathering. They also developed the use of pottery. Finally, during the Mississippian Period, Native Americans in the area depended heavily on maize, and lived in settlements built around earthen mound complexes. However, this general chronology is vastly oversimplified, and there are many regional exceptions (Gibbon, 1998).

The Illinois Inventory of Archaeological Sites keeps a record of all the known prehistoric sites in Illinois; however, their locations are not divulged to the general public. In fact, only a handful of prehistoric sites in Central Illinois have been made widely known. One particularly significant site is the Rench site (11P4), which is located near Mossville, Illinois, approximately eight kilometers south of the Schaub farm. An excavation at the Rench site in the early 1980s revealed charred feature stains indicative of a wigwam and a separate trench-built house, both dating to the Late Woodland or early Mississippian Period, roughly 1000 CE (McConaughy, 1985). A little farther north, in southern Marshall County, Illinois, lies the Marshall site (11Ma269), a Native American petroglyph site of indeterminate age, discovered in 2011 (Wagner, 2013).

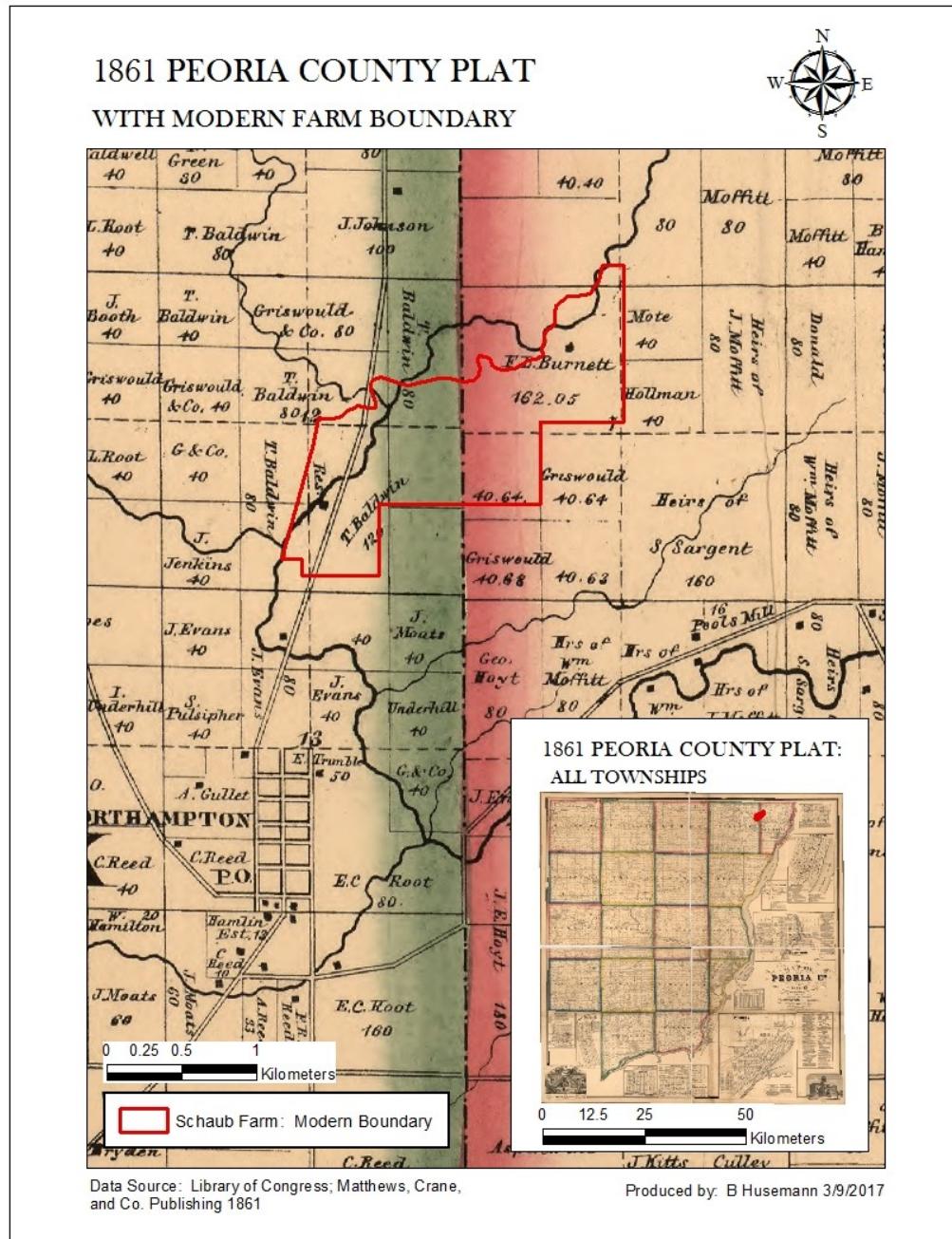
When Europeans first documented the area in the late seventeenth century, the inhabitants of Illinois were members of the Illinois Confederacy, an alliance of tribes including the Peoria, Kaskaskia, Cahokia, and many others, all of whom used related Algonquin languages. The Illinois River valley, where the Schaub farm is located, was occupied by the Kaskaskia (Murphree, 2012). Later, during the early nineteenth century, the central Illinois River valley was occupied by Kickapoo and Potawatomi settlements (Wagner, 2013).

The first European settlers in the area were the French. In 1680, the French explorer Robert Cavalier Sieur de LaSalle established a short-lived stronghold known as Fort Creve Coeur along the Illinois River, east of what is now the city of Peoria. American citizens first settled at the site of Peoria (then known as Fort Clark) in 1819 (McCulloch, 1902). The first American settler in what is now Hallock Township, in northeastern Peoria County, is believed to have been Lewis Hallock, who had lived among the Native Americans as a fur trapper for many years, before building a cabin in Central Illinois in 1820. The first settler in what is now Chillicothe Township, to the east, was Mahlon Lupton, who arrived in 1829 (Johnson, 1880).

The first comprehensive plat map of Peoria County was drafted in 1861, by the surveyor D.B. Allen. This provides the first detailed map of the land currently occupied by the Schaub farm. Two early landowners, T. Baldwin and E.L. Burnett, owned structures on their respective parcels, and both of these structures appear to be in or near the current boundaries of the Schaub farm. In 1861, Senachwine Creek was drawn flowing to the west of the Baldwin house, but since then, it has shifted eastwards considerably. It is likely that the creek undercut and obliterated the Baldwin house (Allen, 1861).

In the map below (fig. 4), the modern boundaries of the Schaub farm can be seen superimposed against the 1861 plat:

Another plat map of Peoria County was drawn in 1873, by the surveyor A.T. Andreas. A portion of Andreas' atlas, featuring Chillicothe Township, is shown below (fig. 5).

**Figure 4:** 1861 plat map

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According to the atlas, the area that now comprises the Schaub farm contained two structures in 1873 (on the eastern side of the township boundary). One structure belonged to F.S. Wilmot, who owned a large, heavily wooded parcel. Roughly half a kilometer to the southwest, there was another structure on a smaller parcel owned by S.M. Murry, or possibly Murray (Andreas, 1873).

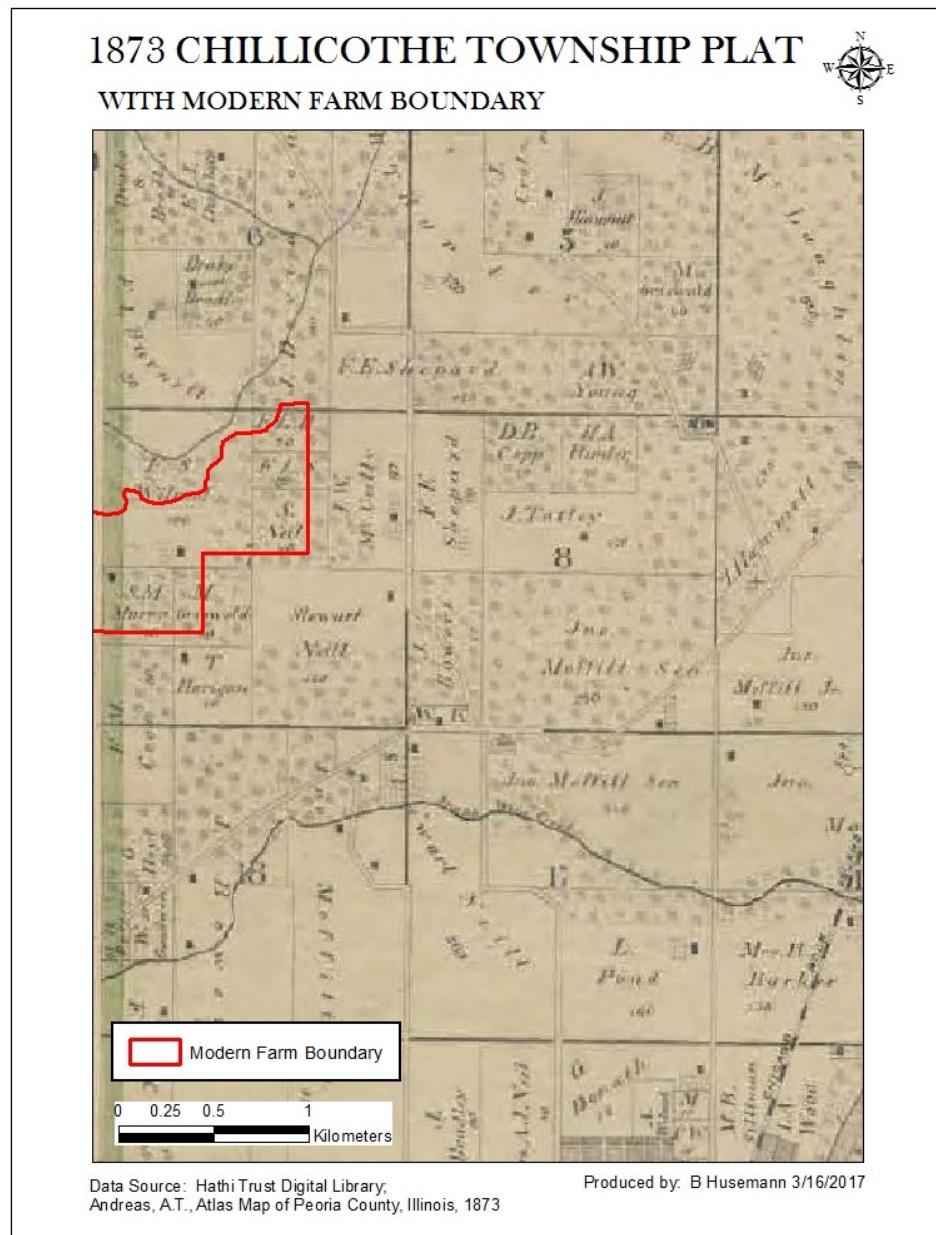


Figure 5: 1873 plat map
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One notable feature of the Schaub farm's history is that it is located near the route once taken by the Peoria and Galena Coach Road, one of Illinois' first official state roads. In 1833, the state of Illinois commissioned the surveyor Levi Warren to lay out an official road from Peoria to Galena, Illinois. North Hampton Road, a modern, paved thoroughfare in Hallock Township, is believed to follow roughly the same route as this

early coach road (Illinois General Assembly, n.d.). North Hampton Road lies directly adjacent the Schaub's property, and it is likely that the early coach road passed near, or through, the land that now comprises the farm (see fig. 6). Even though the farm is currently located in a remote and sparsely populated location, at one time, it was close to one of Illinois' major byways, which could increase the likelihood of finding historic sites.

The survey was conducted in accordance with the regulations established by the Illinois Historic Preservation Agency (IHPA) for Section 106 compliance surveys in Illinois. Artifacts more than 50 years old were recorded, but clearly modern artifacts were ignored.

Two survey methods were used in the field: shovel testing and pedestrian survey. The real world coordinates of every shovel test and surface find were recorded in TerraSync, using either a Trimble GeoXT or Trimble GeoXH receiver. ArcGIS was used to draft maps of the findings within the survey area.

Pedestrian survey was conducted at regular five-meter intervals in tilled agricultural fields with more than 40 percent surface visibility. It was also conducted in other areas where the ground had been mechanically disturbed. Shovel testing was implemented in areas with less than 40 percent surface visibility, such as in wooded areas where the surface was overgrown by vegetation, and areas of no visible surface disturbance. Shovel testing was not implemented on steep slopes (see fig. 9), drainage areas, or areas of wetland vegetation, regardless of the surface visibility (due to contextual issues and ecological sensitivity). Additionally, if artifacts were identified in the pedestrian survey, at least one shovel test was excavated in the immediate area in order to document the stratigraphy. 40x40 centimeter test pits were conducted at 15-meter intervals along the natural contours of the land. Pits were excavated at least ten centimeters into the subsoil (B horizon) and sieved through 1/4 inch hardware cloth. The stratigraphy of each shovel test was documented by color and texture, using Munsell color codes and USDA textural classes. The individual strata were measured by depth, and classified by pedologic horizon (i.e., Ap horizon, Bt horizon, etc.).

In some places, positive shovel tests were flanked with radial tests, in order to more closely define the site's boundary. Radial shovel tests were placed at five-meter intervals, with the goal of producing two consecutive negative tests. The first radial would be placed ten meters from the primary positive test, and if negative, another radial would be placed at five meters from the primary. If the ten-meter radial was positive, another radial would be placed at 15 meters.

While delineating the site(s), any artifacts that were more than 100 meters apart, with no other artifacts between them, would be considered to belong to separate sites. Any artifacts within 100 meters of one another would be considered part of the same site, regardless of temporal or cultural affiliation. Any site that contained both prehistoric and historic remains, either overlapping each other or in close proximity to one other, would be characterized as "multi-component."

Methods

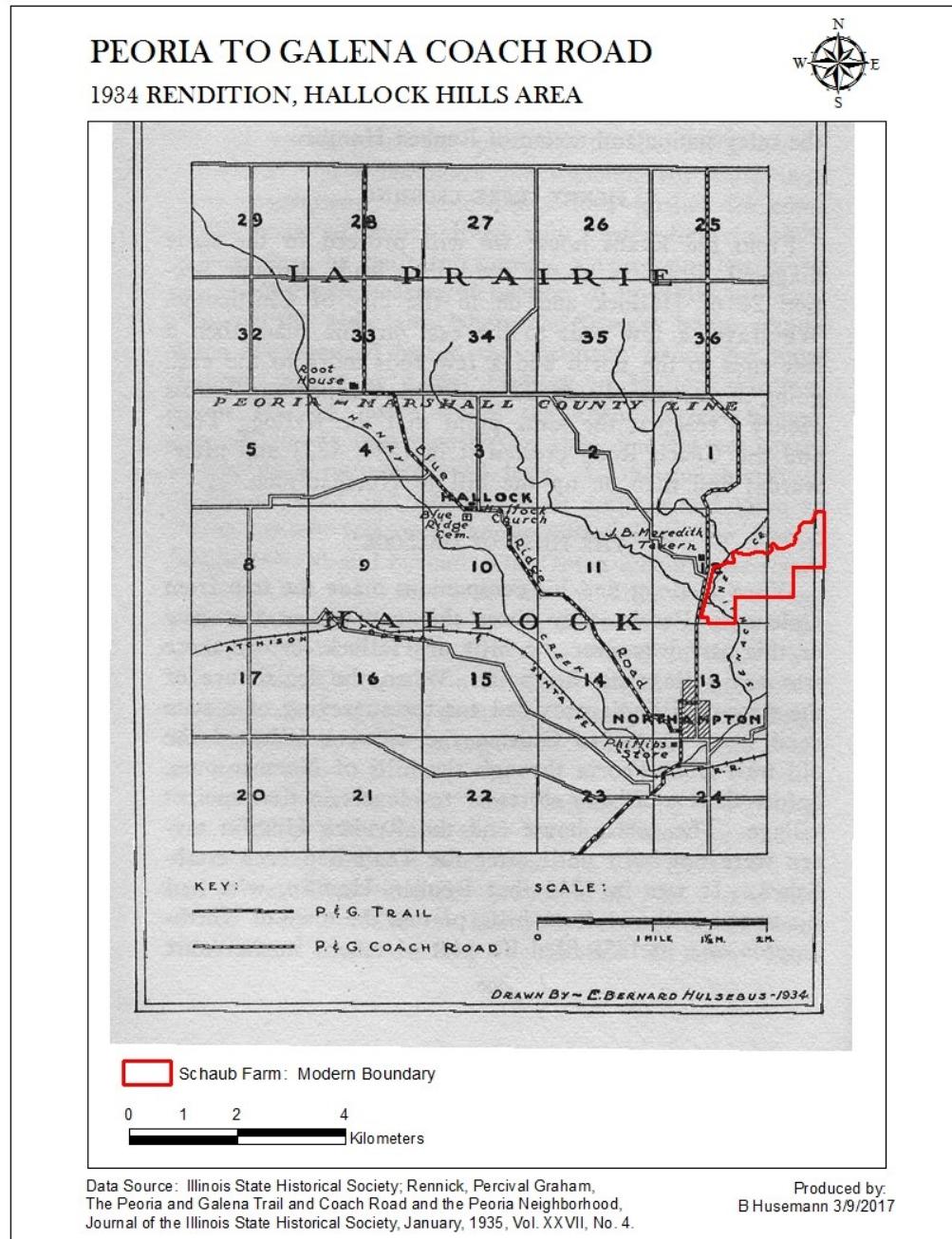


Figure 6: Map of early trail and coach road from Peoria to Galena, Illinois
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It was not feasible to methodically survey all 300 acres of the Schaub farm, so a smaller research area was defined. The actual survey area was restricted to 78 acres within the middle of the farm. The survey area encompassed two frequently tilled agricultural fields (fig. 8), as well as a large patch of woodland. One of the agricultural fields occupies an upland terrace, overlooking Senachwine Creek to the west. Directly to the east,

across a steep ravine, lies another upland terrace, this one heavily wooded. Both terraces overlook a floodplain to the north, formed by alluvial sediment from the Senachwine's overflow. This floodplain is also occupied by an agricultural field. The full survey area can be seen outlined below (fig. 7).

Over the course of the survey, a large, previously unknown archaeological site was discovered and documented, Site 11P852. This site contains an extensive prehistoric component that overlaps or comes in close proximity to two distinct historic components (fig. 10). It is almost certain that the site extends well beyond the arbitrary boundaries of the survey area, as some artifacts were found far outside the survey area, but they were not recorded. Thus, the site cannot be said to have been fully delineated (though its boundaries within the survey area were defined).

The prehistoric component is the most expansive element of the site, and extends across virtually the whole survey area (as well as beyond the survey area). The survey yielded a diverse array of prehistoric lithics; the predominant lithic material was a white chert, probably Burlington chert. The vast majority of these artifacts were flakes of lithic debitage (knapping debris), some of which display evidence of having been retouched along the edges. These artifacts were scattered across both of the upland terraces, as well as the lowland floodplain to the north, but they were mainly concentrated on a high spot along the gently undulating surface of the western terrace. Artifacts are also heavily distributed along the western and northern edges of this terrace (fig. 11). Some flakes were even noticed on the face of a cliff overlooking Senachwine Creek, indicating that the ground has been eroded out from under them (however, due to the dangers involved, these flakes were not recovered or mapped).

Most of these artifacts were recovered by pedestrian survey (Table 1), but a few were found in shovel tests (Table 2). All of the artifacts found in shovel tests were recovered from the A horizon (topsoil), no more than 40 centimeters below the surface. Shovel tests throughout most of the site were fairly similar, with minor local differences. A typical test revealed an Ap horizon (plow zone) extending 30-50 centimeters below the surface, ranging in color from 10YR4/3 to 10YR5/3, and ranging in texture from a silty loam to a silty clay loam. Below the Ap horizon was a Bt horizon, ranging in color from 10YR5/4 to 10YR5/6, and ranging in texture from a silty loam to a silty clay.

Survey Results

Prehistoric Component

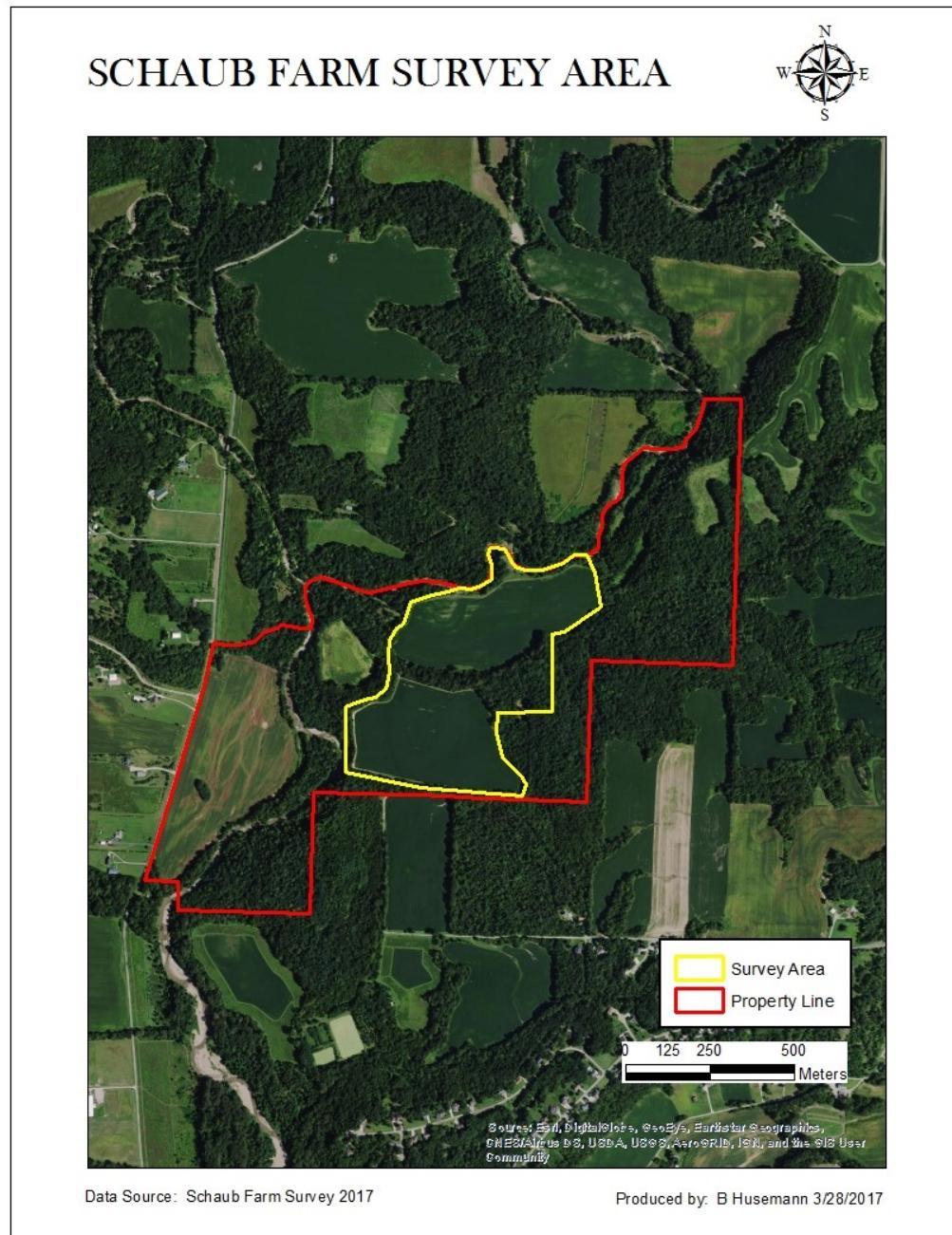


Figure 7: Map of survey area within property boundary

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Figure 8: Tilled agricultural field where pedestrian survey was implemented, on upland terrace, viewshed facing south; pin flags denote artifact locations

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Figure 9: Wooded north-facing slope, declining from upland loess terrace to lowland floodplain, viewshed facing east; no shovel testing was implemented here

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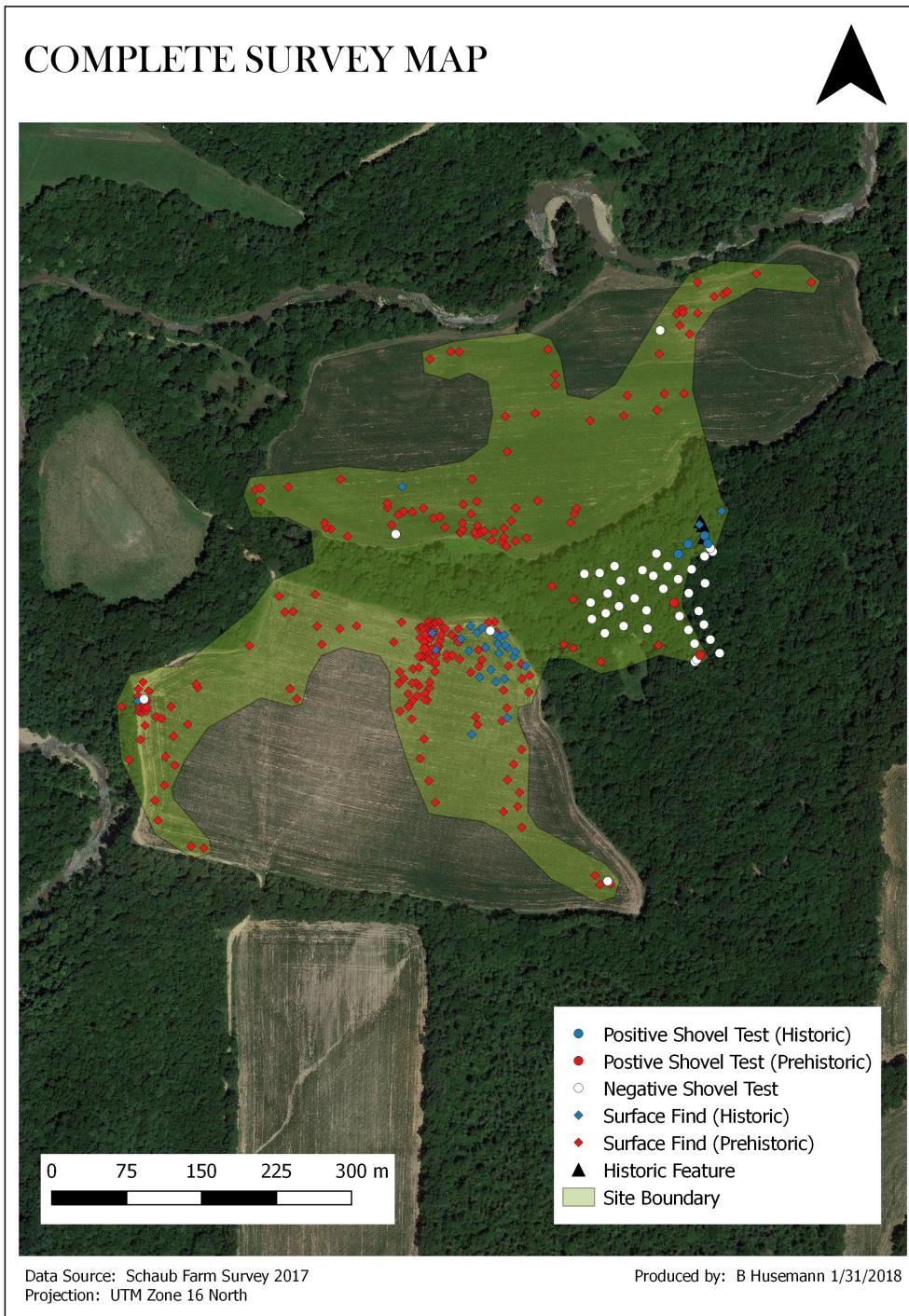


Figure 10: Site 11P852, within survey area
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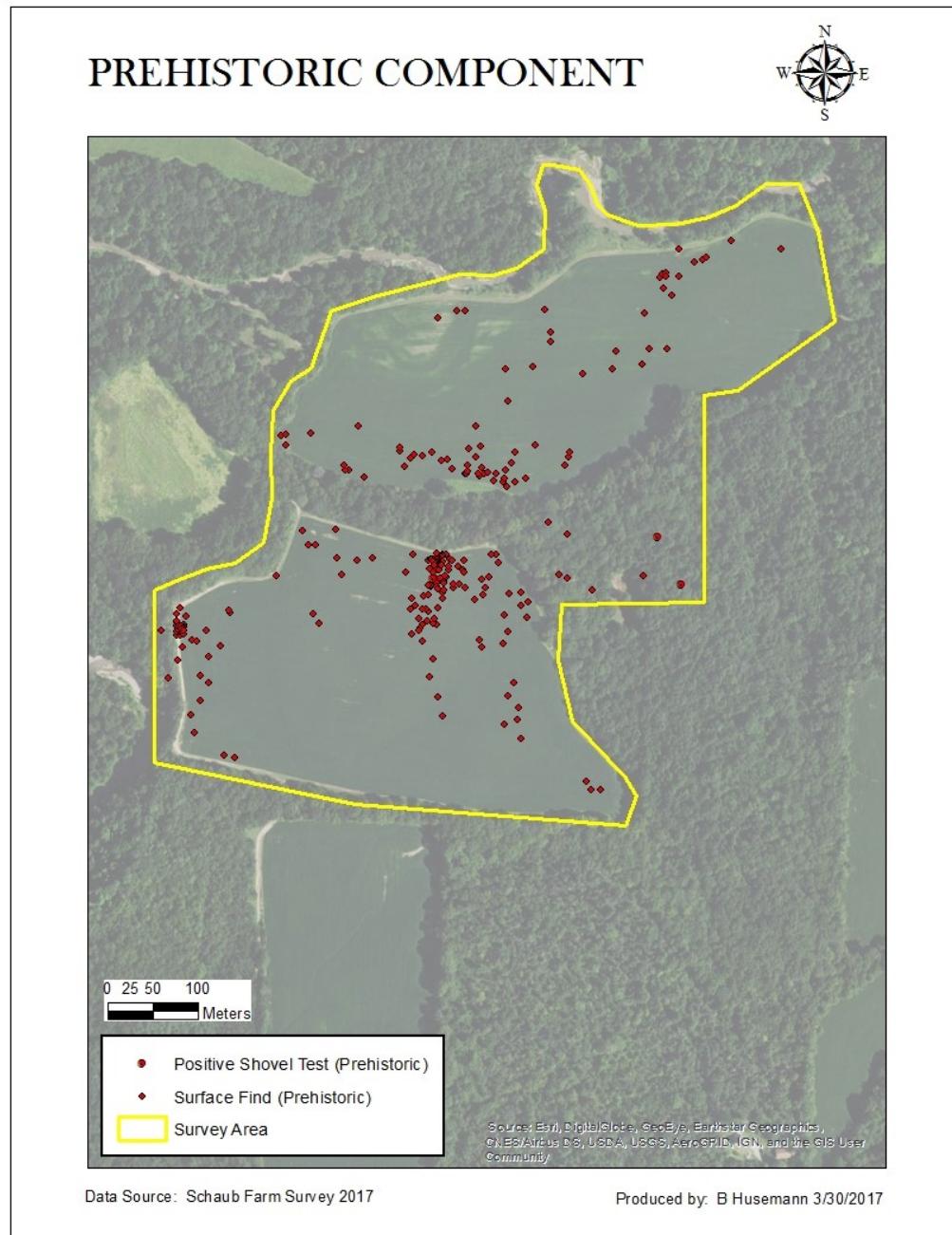


Figure 11: Map of prehistoric lithic scatter

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312 prehistoric artifacts were recovered, including:

- 4 projectile point/knives
- 3 broken point tips
- 1 drill tip
- 1 celt (polished stone adze)
- 1 bifacial scraper
- 3 biface fragments
- 1 possible fire-cracked rock (FCR)
- 10 cores or core fragments
- 288 fragments of lithic debitage (including retouched flakes)

The four projectile point/knives are intact enough to be diagnostic (fig. 12). They indicate that the site was occupied by Native Americans over several thousand years, beginning in the Early Archaic Period (8000-6000 BCE). These typologies are tentative at best, however.

The survey also recovered several tools or tool fragments that were not strictly diagnostic (see fig. 13). The map (fig. 14) shows the location where each projectile point/knife was recovered.

Site 11P852 also includes two separate historic components, both of which correspond to houses shown on Andreas' 1873 county plat (fig. 5). The western historic component is a scatter of historic artifacts in a tilled field, including whiteware, vessel glass, and salt-glazed stoneware. Whiteware is a type of ceramic dishware with a white glaze, commonly used during the nineteenth and early twentieth centuries (though still made today). Salt-glazed stoneware is another, generally thicker ceramic, often used to make storage vessels; it was widely used in the nineteenth century, but still remained in use into the twentieth century. This western component contains no apparent features or structural remains, except for fragments of window glass. None of the artifacts here are diagnostic. This scatter corresponds to the location of a house on the parcel belonging to S.M. Murry (possibly Murray) on the 1873 atlas.

Historic Components

The eastern historic component is located on a wooded terrace overlooking the floodplain to the north. It includes three historic features, including a cellar pit, a cistern (tank for collecting rainwater), and a small pit of indeterminate usage (see Table 3). The cistern contains a relatively intact brick vault, with an agricultural harrow hanging into it. In the surrounding woods, there are several surface artifacts, including bricks, glass, and ceramic dishware. Shovel testing also yielded seven artifacts, including bricks, whiteware, vessel glass, and a square-cut nail; the nail most likely dates to the nineteenth century. All of these artifacts were found either within the topsoil (A horizon) or within a mottled layer of fill dirt near the features (the fill dirt was a sandy loam, 10YR5/2 mottled with 10YR5/6). In addition to the intact features, this component yielded a number of potentially diagnostic artifacts, including a sherd of ironstone dishware manufactured by J. & G. Meakin between 1890 and 1907, and an amethyst bottle that had been decolorized with manganese dioxide, probably before the First World War. The survey also yielded a sherd of decorated salt-glazed stoneware, and a fragment of decorated blue vessel glass, which have not yet been typed. This component roughly

corresponds to the location of a house that belonged to F.S. Wilmot, according to the 1873 atlas.

Discussion

At the beginning of the survey, five specific research questions were stated. Ultimately, the survey was able to answer all five.

1. What archaeological sites, if any, are located within the survey area?

The survey located exactly one archaeological site within the 78-acre research area; the Illinois State Museum registered it as 11P852. The site boundary is fairly subjective. This survey classified any cultural resources located within 100 meters of one another as being part of the same site, but other surveyors might have used different parameters, which would have required that 11P852 be divided into multiple sites. In all likelihood, the site actually extends well beyond the survey area, so more research would be required to fully delineate the site.

2. What kinds of archaeological deposits (i.e., artifacts, features), if any, are located within the survey area?

The survey area contains both prehistoric and historic archaeological remains. Over 300 prehistoric artifacts were recovered, all of them lithics (primarily lithic debitage). Aside from the fragments of debitage, there were also four relatively intact projectile point/knives, three broken point tips, three biface fragments, a drill tip, a bifacial scraper, 10 cores or core fragments, and one ground-stone tool (a celt, or polished adze). The presence of these prehistoric artifacts supports the assumption that the River Hills ecoregion would have been a hospitable place for early humans. The survey also yielded three historic features and several historic artifacts. The features include a cellar pit, a brick vault cistern, and a small pit of uncertain usage. The artifacts include samples of whiteware, salt-glazed stoneware, window glass, vessel glass, bricks, and one square nail. This seems to vindicate the earlier assumption that the survey area's proximity to the Peoria and Galena Coach Road might increase the possibility of finding historic remains. Also, the 1873 county plat had alluded to the possibility of finding historic sites.

3. What is the horizontal and vertical distribution of archaeological deposits within the survey area?

Archaeological deposits were scattered across large swaths of the survey area. The prehistoric lithics were found on both of the upland terraces, as well as the lowland floodplain. Their greatest concentration was on the western terrace, particularly on a high spot along the terrace's surface. A detailed map of their distribution can be seen in fig. 12. It is worth noting that artifacts may seem most prevalent on the western terrace because they were more exposed, due to tillage. Were the eastern terrace not so heavily forested, more artifacts might have been seen there.

The historic artifacts and features were divided into two main concentrations, or "components." Each of these concentrations was once the location of a house, according to the 1873 plat. One concentration was located on the western terrace, and the other on the eastern terrace, as seen in fig. 16.

As for the vertical, or stratigraphic, distribution of artifacts, all were located either on the surface or in the topsoil (no more than 40 centimeters deep). A few were found within an artificial layer of fill, associated with the historic features. None were found in the subsoil, and there is no evidence of stratification by time period. Earlier, it was speculated that most of the artifacts found on the upland loess terraces would be concentrated at or near the surface, due to a lack of recent deposition. The survey findings vindicated this assumption. However, it was also speculated that any artifacts found on the floodplain might be buried beneath layers of alluvial sediment, leading to possible chronological stratification. The survey findings did not support this speculation. All of the artifacts found on the floodplain were located on the surface; none were buried.

4. What is the approximate temporal and/or cultural affiliation of the archaeological deposits within the survey area?

The four projectile point/knives hint at the temporal affiliation of the prehistoric remains; it appears that the site may have been occupied by Native Americans from the Early Archaic Period (8000-6000 BCE) to the Early Woodland Period (1000 BCE-1 CE). As of yet, there is no evidence of any prior or subsequent prehistoric habitation, but it is still fully possible that such evidence may surface. All that can be said with certainty is that Native Americans occupied the site over a broad period of time, beginning during a period when they would have been predominantly hunter-gatherers, and possibly extending into a period when agriculture and the use of ceramics became more widespread (though no prehistoric ceramics were found). Throughout most of this time period, the site probably would have been used as a temporary campsite by transient hunters. The historic artifacts and features, having been left by American settlers, belong to a much narrower spectrum of time, ranging from the late nineteenth century to the early twentieth century. Historic evidence indicates that there were two houses within the survey area at least as early as 1873 (but after 1861). A sherd of ironstone dishware associated with the Wilmot house can be positively dated between 1890 and 1907. An amethyst bottle, also affiliated with the Wilmot house, was probably made prior to the First World War.

5. Do any of the archaeological deposits retain enough integrity to offer meaningful data for interpretation?

The integrity and significance of the site are mixed, depending on which portion of the site is considered. Because the site is so large, some areas are much more intact than others, and some areas are more significant than others. The prehistoric component has already yielded four diagnostic artifacts and several tools or tool fragments, as well as over 300 other artifacts, which is a fairly significant development. It may be able to offer considerable data for interpretation, if it were to be excavated in the future. Also, the antiquity of the site, possibly dating back to the Early Archaic Period, could add to its significance.

However, the site's integrity has been damaged by agricultural plowing. Most of the prehistoric component has been thoroughly plowed, and the plowing has possibly displaced or damaged many artifacts, as well as destroyed any feature stains, though there may be intact portions of features below the plow zone. It is worth noting that

many of the prehistoric artifacts are still concentrated on high spots in the landscape, which are likely settlement areas, indicating that these artifacts have not moved far from where they were left. These artifacts may be relatively in situ, despite the plow damage.

Erosion has also damaged the site, particularly on the western side of the terrace overlooking Senachwine Creek. The western side of the terrace is a cliff that faces the convex side of a bend in the creek, and as the creek has slowly swung eastwards over time, it has been eroding the terrace. Part of the site has already been eroded away, as evidenced by prehistoric artifacts found on the face of the cliff. It is not clear how much of the site has already been destroyed in this manner.

The two historic components are very unequal in their integrity. The westernmost component (the Murry house) has been extensively plowed, and has no features, structural remains, or diagnostic artifacts. Very little remains intact, and it offers very little data for interpretation. However, the easternmost historic component (the Wilmot house) may be the most intact portion of the whole site. It has three intact features, in addition to multiple diagnostic artifacts. Furthermore, it does not appear to have been plowed. This component could offer significant data for interpretation, but its relatively recent age (late nineteenth century and early twentieth century) could dissuade scholarly interest.

Conclusion

The survey indicated that the Schaub family farm does, in fact, contain substantial archaeological remains. Only a relatively small section of the farm was surveyed, but this survey area yielded an extensive archaeological site, with a large prehistoric component and two separate historic components. The prehistoric component seems to consist entirely of lithics, including four diagnostic projectile point/knives, several other tools or tool fragments (including a celt and drill tip), and nearly 300 flakes of lithic debitage. The two historic components both seem to date to the late nineteenth or early twentieth centuries; they include fragments of window glass, vessel glass, whiteware, stoneware, and bricks, among other artifact types. One of the historic components, corresponding to the house owned by F.S. Wilmot on the 1873 county atlas, also contains three intact features (including a cellar pit and a brick vault cistern), potentially making it the most intact portion of the site.

* * *

Acknowledgements

The author would like to acknowledge the Schaub family for allowing the survey to take place on their farm; Dr. Scott Palumbo, for agreeing to supervise the project; and James Parker of HDR, Inc., for assisting in the analysis of historic artifacts and features. And a special thanks to the Starbucks at the corner of Prospect and War Memorial in Peoria, Illinois, for letting the author use their internet connection, even while covered in mud from the field.

* * *

Table 1: Results of pedestrian survey

ID	Artifacts	Latitude	Longitude
sf1	1 point fragment, 1 tertiary flake	40.94966335	-87.5280935
sf2	1 retouched flake	40.94958407	-89.52788806
sf3	1 point	40.94915395	-89.52764964
sf4	1 secondary flake	40.94841371	-89.52727554
sf5	1 primary flake	40.9484285	-89.52742573
sf6	2 tertiary flakes	40.9486522	-89.52782901
sf7	1 tertiary flake	40.94883028	-89.52787151
sf8	1 tertiary flake	40.94897144	-89.52776448
sf9	1 core fragment	40.9492281	-89.52776117
sf10	1 secondary flake	40.94941522	-89.52767095
sf11	1 tertiary flake	40.94937536	-89.52806444
sf13	2 tertiary flakes	40.94962667	-89.52809194
sf14	1 shatter	40.94962032	-89.52805687
sf15	1 tertiary flake	40.94950339	-89.5280134
sf16	1 tertiary flake	40.94963538	-89.52800544
sf17	1 tertiary flake	40.94965328	-89.52802595
sf18	1 secondary flake	40.94966725	-89.52799988
sf19	"1 core fragment, 1 tertiary flake"	40.9496856	-89.52803395
sf20	1 core	40.94965948	-89.52806452
sf21	"1 core fragment, 2 tertiary flakes"	40.94968097	-89.52808971
sf22	"3 tertiary flakes, 1 stoneware"	40.94972018	-89.52810655
sf23	1 retouched flake	40.94975428	-89.52810943
sf24	2 tertiary flakes	40.94976751	-89.52810645
sf25	"1 tertiary flake, 1 secondary flake"	40.9498316	-89.52810721
sf26	1 primary flake	40.94989497	-89.52805395
sf27	1 retouched flake	40.94981654	-89.52798297
sf28	1 tertiary flake	40.94973524	-89.52800218
sf29	1 tertiary flake	40.9497093	-89.52800631
sf30	1 shatter	40.94971709	-89.52804101
sf31	1 tertiary flake	40.9497171	-89.52806701
sf32	1 tertiary flake	40.94970053	-89.52802665
sf33	"1 secondary flake, 1 tertiary flake"	40.94956983	-89.52782244
sf34	1 tertiary flake	40.9495253	-89.52750855
sf35	1 tertiary flake	40.94967932	-89.52771129
sf36	1 core fragment	40.94988861	-89.52741928
sf37	1 secondary flake	40.94985947	-89.52740205
sf39	1 secondary flake	40.95024988	-89.5268014
sf40	1 secondary flake	40.95070412	-89.52646785
sf41	1 tertiary flake	40.95056157	-89.52639152
sf42	1 tertiary flake	40.95057016	-89.52629411
sf44	"1 FCR, 1 tertiary flake"	40.95072869	-89.52603597
sf45	1 tertiary flake	40.95044356	-89.52600355

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Table 1: continued from previous page

ID	Artifacts	Latitude	Longitude
sf46	1 tertiary flake	40.95028082	-89.52594142
sf48	1 shatter	40.94987261	-89.52630411
sf49	1 tertiary flake	40.9497836,	89.5262213
sf50	1 secondary flake	40.95042505	-89.52573454
sf51	2 tertiary flakes	40.95045562	-89.52553479
sf52	1 tertiary flake	40.950319	-89.52508753
sf53	"1 point, 1 tertiary flake"	40.94993277	-89.52477434
sf53a	1 tertiary flake	40.94986651	-89.5246975
sf54	1 tertiary flake	40.9499595	-89.52480887
sf55	1 tertiary flake	40.9499532	-89.52485436
sf56	1 bifacial scraper	40.94994775	-89.52501497
sf57	1 tertiary flake	40.94999461	-89.52495485
sf58	1 core	40.95008413	-89.52484783
sf59	1 biface fragment	40.95009964	-89.5247779
sf59	1 tertiary flake	40.95018641	-89.52475365
sf60	"1 tertiary flake, 1 shatter"	40.95019884	-89.52478306
sf61	1 tertiary flake	40.95019788	-89.52475426
sf62	1 primary flake	40.95016785	-89.5246658
sf64	2 tertiary flakes	40.95005369	-89.52500774
sf65	1 secondary flake	40.95050061	-89.52500237
sf66	"1 primary flake, 1 tertiary flake"	40.95044923	-89.52479091
sf67	2 secondary flakes	40.95046421	-89.52476255
sf68	1 tertiary flake	40.95046009	-89.52474702
sf69	1 secondary flake	40.95043143	-89.52473175
sf70	1 tertiary flake	40.95044108	-89.52471769
sf71	2 tertiary flakes	40.9504436	-89.52469468
sf72	1 tertiary flake	40.95045829	-89.52469072
sf73	2 tertiary flakes	40.95047559	-89.52469747
sf74	1 tertiary flake	40.95036439	-89.5247777
sf75	"1 secondary flake, 1 tertiary flake"	40.95046626	-89.52466693
sf76	"1 primary flake, 1 retouched flake"	40.95045562	-89.52463776
sf77	1 shatter	40.95043794	-89.52466056
sf78	2 tertiary flakes	40.95042365	-89.52467165
sf79	2 tertiary flakes	40.95040597	-89.52467157
sf80	1 celt	40.95038124	-89.52468533
sf81	3 tertiary flakes	40.95035622	-89.52468469
sf82	"1 core fragment, 3 tertiary flakes"	40.95035775	-89.52465694
sf83	2 primary flakes	40.95040093	-89.52463644
sf84	"1 tertiary flake, 1 window glass"	40.95041334	-89.52463445
sf85	5 tertiary flakes	40.95043298	-89.52461559
sf86	1 tertiary flake	40.95044312	-89.5246119
sf87	1 shatter	40.95048302	-89.52462516

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Table 1: continued from previous page

ID	Artifacts	Latitude	Longitude
sf88	"1 secondary flake, 1 tertiary flake"	40.9504956	-89.52460872
sf89	1 tertiary flake	40.9505093	-89.52460525
sf90	1 tertiary flake	40.95051249	-89.52455681
sf91	1 tertiary flake	40.95012896	-89.52458865
sf92	1 tertiary flake	40.95014781	-89.52458535
sf93	3 tertiary flakes	40.95021973	-89.5245784
sf94	1 tertiary flake	40.95023946	-89.52458972
sf95	1 amethyst glass	40.95025849	-89.52458468
sf96	1 retouched flake	40.95027176	-89.52456371
sf97	"1 drill fragment, 2 tertiary flakes"	40.9502991	-89.5245654
sf98	1 tertiary flake	40.9502896	-89.52454664
sf99	"1 shatter, 1 tertiary flake"	40.95035401	-89.52453234
sf100	1 tertiary flake	40.95039653	-89.52452628
sf101	1 tertiary flake	40.95046115	-89.52450839
sf102	1 secondary flake	40.95045723	-89.52448173
sf103	2 tertiary flakes	40.95039865	-89.52440469
sf104	1 tertiary flake	40.95022052	-89.524454
sf105	1 shatter	40.95021693	-89.52438445
sf106	1 tertiary flake	40.95018466	-89.52444871
sf107	1 tertiary flake	40.95006659	-89.52458796
sf108	1 secondary flake	40.94997004	-89.52464923
sf109	1 secondary flake	40.94991675	-89.52464662
sf110	1 secondary flake	40.94980572	-89.52466662
sf111	"1 secondary flake, 2 tertiary flakes"	40.94981196	-89.52470122
sf112	3 tertiary flakes	40.94984189	-89.52479066
sf113	1 tertiary flake	40.94985748	-89.52489918
sf114	1 tertiary flake	40.94979951	-89.52484212
sf115	1 tertiary flake	40.94975889	-89.52488284
sf116	1 secondary flake	40.94974051	-89.52488991
sf117	1 tertiary flake	40.94963306	-89.52484763
sf118	1 tertiary flake	40.94945542	-89.52469502
sf119	1 primary flake	40.94927683	-89.52473281
sf120	1 biface fragment	40.94908033	-89.52462171
sf121	1 tertiary flake	40.94888714	-89.52454081
sf123	1 tertiary flake	40.94969854	-89.5249904
sf125	1 secondary flake	40.95018296	-89.52429881
sf126	1 tertiary flake	40.95033576	-89.52431811
sf127	"2 tertiary flakes, 1 secondary flake"	40.95036164	-89.52433617
sf128	1 whiteware	40.95036824	-89.52429207
sf129	1 tertiary flake	40.95045736	-89.524324
sf130	1 whiteware	40.95048569	-89.52418032
sf131	1 window glass	40.95042432	-89.52410044

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ID	Artifacts	Latitude	Longitude
sf132	1 stoneware	40.95047129	-89.52403482
sf133	1 core fragment	40.95052204	-89.52396686
sf134	1 tertiary flake	40.95052742	-89.52389739
sf135	1 tertiary flake	40.95043939	-89.52387351
sf136	1 stoneware	40.95042152	-89.52388797
sf137	2 window glass	40.95041133	-89.52377489
sf138	1 green glass	40.9503933	-89.52382725
sf139	1 stoneware	40.95033141	-89.52385113
sf140	"1 tertiary flake, 1 stoneware"	40.95029528	-89.52399401
sf141	1 secondary flake	40.95027049	-89.52407741
sf142	1 whiteware	40.95025967	-89.52419254
sf143	1 tertiary flake	40.9500681	-89.52416227
sf144	1 stoneware	40.95002652	-89.52405535
sf145	1 stoneware rimsherd	40.95009587	-89.52392194
sf146	1 aqua glass	40.94998837	-89.52385997
sf147	1 tertiary flake	40.94991664	-89.52376541
sf148	1 aqua glass	40.95001736	-89.52376021
sf150	1 window glass	40.95021977	-89.52365344
sf152	1 clear vessel glass	40.95026486	-89.52363635
sf153	"2 stoneware, 1 green glass"	40.95031935	-89.52364501
sf154	2 stoneware	40.95029563	-89.52372804
sf155	4 window glass	40.95032048	-89.52375713
sf156	1 whiteware	40.95013985	-89.52351437
sf157	1 shatter	40.95005362	-89.52346045
sf158	"1 primary flake, 1 retouched flake, 1 tertiary flake"	40.95002315	-89.52355251
sf159	1 secondary flake	40.94990431	-89.52346562
sf160	1 secondary flake	40.9497558	-89.52371989
sf161	1 brown glass	40.94966713	-89.52371068
sf162	1 tertiary flake	40.94963829	-89.52377479
sf163	1 tertiary flake	40.94966525	-89.52408893
sf164	1 primary flake	40.94959686	-89.52406058
sf165	1 stoneware	40.94950887	-89.52412912
sf166	1 tertiary flake	40.94882226	-89.52372596
sf167	1 tertiary flake	40.94868542	-89.52350372
sf168	1 core fragment	40.94887093	-89.52355887
sf169	2 tertiary flakes	40.94899819	-89.52354185
sf170	1 tertiary flake	40.94910867	-89.5236878
sf171	1 tertiary flake	40.9492494	-89.52361912
sf172	1 tertiary flake	40.94938578	-89.52353135
sf173	1 stoneware	40.95024796	-89.52383476

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ID	Artifacts	Latitude	Longitude
sf174	"1 green glass, 1 stoneware, 1 white-ware"	40.95025796	-89.52372628
sf175	1 primary flake	40.95015357	-89.52356523
sf176	1 retouched flake	40.95018284	-89.52403452
sf177	"1 whiteware, 1 stoneware, 1 aqua glass"	40.95000464	-89.52392499
sf178	1 tertiary flake	40.94827048	-89.52261659
sf179	1 tertiary flake	40.94819692	-89.52242734
sf181	1 secondary flake	40.9481897	-89.52255491
sf182	"1 shatter, 1 tertiary flake"	40.94966676	-89.52830119
sf183	"1 shatter, 1 tertiary flake"	40.94919022	-89.52819365
sf184	1 tertiary flake	40.95165738	-89.52678554
sf185	1 tertiary flake	40.95167117	-89.5267255
sf186	1 core	40.95155757	-89.52672249
sf187	1 tertiary flake	40.95168914	-89.52639571
sf188	1 tertiary flake	40.95137371	-89.52595282
sf190	1 tertiary flake	40.95132327	-89.52587515
sf190a	1 tertiary flake	40.95133208	-89.52593177
sf191	1 shatter	40.95125993	-89.52567386
sf192	1 tertiary flake	40.95177146	-89.52577385
sf193	1 tertiary flake	40.95153148	-89.52520687
sf194	1 tertiary flake	40.95156715	-89.5252106
sf195	1 secondary flake	40.951467	-89.52507684
sf196	1 tertiary flake	40.95137367	-89.52515201
sf197	1 tertiary flake	40.95013417	-89.52371607
sf200	1 point	40.95149946	-89.52501709
sf201	1 glass bottle base (1948)	40.95172058	-89.52504096
sf203	2 tertiary flakes	40.95149625	-89.5249107
sf204	1 tertiary flake	40.95153266	-89.52478338
sf205	1 secondary flake	40.95144546	-89.52465978
sf207	1 tertiary flake	40.95145944	-89.52458343
sf208	"2 tertiary flakes, 1 secondary flake"	40.95132396	-89.52433631
sf209	2 tertiary flakes	40.95130089	-89.52414541
sf210	1 tertiary flake	40.95039616	-89.52462425
sf211	1 tertiary flake	40.95039627	-89.52471669
sf212	1 tertiary flake	40.95032887	-89.52472975
sf213	1 tertiary flake	40.95027136	-89.52468689
sf214	1 tertiary flake	40.95027306	-89.5246306
sf215	1 tertiary flake	40.95022678	-89.52467668
sf216	1 tertiary flake	40.95018432	-89.52466982
sf217	1 tertiary flake	40.95012185	-89.52406551
sf220	"1 tertiary flake, 1 secondary flake"	40.95136577	-89.52451983

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ID	Artifacts	Latitude	Longitude
sf221	1 tertiary flake	40.95135438	-89.52430518
sf222	1 shatter	40.95140959	-89.5243117
sf223	1 secondary flake	40.95149602	-89.52421285
sf224	2 tertiary flakes	40.95157711	-89.52430846
sf225	1 tertiary flake	40.95160776	-89.524149
sf226	1 tertiary flake	40.95180761	-89.52421283
sf227	1 secondary flake	40.9520647	-89.52380549
sf228	1 tertiary flake	40.95241683	-89.52348517
sf230	1 secondary flake	40.95299296	-89.5233553
sf231	1 retouched flake	40.95295133	-89.52440865
sf232	1 secondary flake	40.95295114	-89.52451167
sf233	1 core	40.95287841	-89.52475525
sf234	2 tertiary flakes	40.95139048	-89.52413098
sf236	3 "tertiary flakes, 1 secondary flake"	40.95133661	-89.5240851
sf237	2 tertiary flakes	40.95134356	-89.52404946
sf238	1 tertiary flake	40.95126128	-89.52396289
sf239	1 tertiary flake	40.95133568	-89.52393586
sf239	1 tertiary flake	40.95276942	-89.52326287
sf240	1 tertiary flake	40.95125348	-89.52383571
sf241	1 secondary flake	40.95129284	-89.5238144
sf242	1 tertiary flake	40.95121122	-89.52378142
sf243	1 tertiary flake	40.95129061	-89.52354562
sf244	1 tertiary flake	40.95155873	-89.52368673
sf245	1 tertiary flake	40.95163049	-89.52342614
sf246	1 retouched flake	40.9515273	-89.52298341
sf247	1 tertiary flake	40.95157144	-89.52296178
sf249	1 secondary flake	40.95144096	-89.52302815
sf250	2 tertiary flakes	40.95126107	-89.52367702
sf251	1 secondary flake	40.95236467	-89.52282811
sf252	1 tertiary flake	40.95242076	-89.52243148
sf253	1 tertiary flake	40.95260106	-89.52239536
sf254	1 tertiary flake	40.95247778	-89.52203888
sf254	1 tertiary flake	40.95262722	-89.52195638
sf255	1 tertiary flake	40.95263262	-89.52172333
sf256	1 secondary flake	40.9529838	-89.52203161
sf257	1 secondary flake	40.95334947	-89.52183701
sf258	1 tertiary flake	40.95338457	-89.5218029
sf259	2 tertiary flakes	40.95339174	-89.52176618
sf260	1 point	40.95366914	-89.52024879
sf262	1 tertiary flake	40.95316993	-89.52167525
sf263	1 tertiary flake	40.95336156	-89.52176009
sf264	1 tertiary flake	40.95336241	-89.52158914

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ID	Artifacts	Latitude	Longitude
sf265	1 tertiary flake	40.95363958	-89.52160283
sf266	1 tertiary flake	40.95353867	-89.52128902
sf267	1 secondary flake	40.95356289	-89.52124301
sf268	1 tertiary flake	40.95373246	-89.52090442
sf269	1 tertiary flake	40.95351418	-89.5213983
sf270	1 tertiary flake	40.95324654	-89.52179653
sf271	1 tertiary flake	40.95034527	-89.52306386
sf272	1 blue glass	40.95145657	-89.52149604
sf273	"1 ironstone sherd, 1 stoneware, 1 amethyst bottle"	40.95162062	-89.52137667
sf274	1 tertiary flake	40.95031147	-89.5229528
sf275	2 tertiary flakes	40.95019684	-89.52262138
sf276	"1 primary flake, 2 tertiary flakes"	40.95075132	-89.52296895
sf277	"1 point fragment, 1 tertiary flake"	40.95133007	-89.5241619
sf278	1 point fragment	40.95132564	-89.52432695
sf279	1 tertiary flake	40.95137512	-89.52381621
sf280	1 tertiary flake	40.95144304	-89.5237325
sf281	1 tertiary flake	40.95238326	-89.52384006
sf282	1 tertiary flake	40.95267827	-89.52325574
sf283	bricks	40.95159207	-89.52164346
sf284	brick	40.95158544	-89.52123303
sf285	bricks	40.95103447	-89.52190462
sf286	1 tertiary flake	40.95035914	-89.52194232
sf287	1 tertiary flake	40.95086583	-89.52322686

Table 2: Results of shovel testing

ID	Artifacts	Latitude	Longitude
stp2	1 tertiary flake	40.95026807	-89.52471951
stp55	1 square nail, 1 whiteware, 1 clear vessel glass	40.95135977	-89.52142825
stp54	1 aqua glass	40.95127987	-89.52162316
stp53	1 whiteware	40.95118693	-89.52173608
stp29	1 tertiary flake	40.95074795	-89.52176926
stp33	1 tertiary flake	40.95028218	-89.52144072
stp55_10S	2 bricks (not collected)	40.95128898	-89.52138859

Table 3: Location of features

ID	Latitude	Longitude	Feature Type
feature1	40.95148667	-89.52148618	Cellar pit
feature2	40.95145196	-89.52145442	Brick vault cistern
feature3	40.95134446	-89.52143335	Pit

* * *

References

- Agency, United States Environmental Protection (2015): Level III and IV Ecoregions of the Continental United States. URL: <https://www.epa.gov/eco-research/level-iii-and-iv-ecoregions-continental-united-states>.
- Allen, D. (1861): *Map of Peoria Co., Illinois*. Philadelphia: Matthews, Crane, and Co. Publishers. URL: <https://www.loc.gov/item/2013593079/>.
- Andreas, A. (1873): *Atlas map of Peoria County, Illinois; Compiled, drawn, and published from personal examinations and surveys by A.T. Andreas*. Chicago. URL: <https://catalog.hathitrust.org/Record/100319188>.
- Carroll, Dorothy (1970): *Rock Weathering*. New York: Plenum Press.
- Ehlers, J, ed. (2004): *Quaternary Glaciations - Extent and Chronology: Part II: North America*. Amsterdam: Elsevier.
- Gibbon, G. (1998): *Archaeology of Prehistoric Native America: an Encyclopedia*. New York: Garland Publishing, Inc.
- Illinois General Assembly, 94th General Assembly (n.d.): Full Text of SJR0073. URL: <http://www.ilga.gov/legislation/fulltext.asp?DocName=%5C&SessionId=50%5C&GA=94%5C&DocTypeId=SJR%5C&DocNum=73%5C&GAID=8%5C&LegID=24935%5C&SpecSess=%5C&Session=>.
- Johnson, ed. (1880): *The History of Peoria County, Illinois*. Chicago: Johnson & Company. URL: <https://books.google.com/books?id=j4w6AQAAIAAJ>.
- McConaughy, M. (Sept. 1985): Two Early Mississippian Period Structures from the Rench Site (11P4), Peoria County, Illinois. *Midcontinental Journal of Archaeology* 10(2): 171–193. URL: <https://www.jstor.org/stable/20707948>.

- McCulloch, D, ed. (1902): *Preface - Historical Encyclopedia of Illinois and History of Peoria County*. Chicago: Peoria: Munsell Publishing Company. URL: <https://books.google.com/books?id=4wZJAQAAQAAJ>.
- Murphree, D, ed. (2012): *Native America: A State-by-State Historical Encyclopedia*. Vol. I. Santa Barbara: Greenwood. URL: <https://books.google.com/books?isbn=0313381275>.
- Wagner, M. (2013): The Marshall Site: A Native American Petroglyph Site in the Central Illinois River Valley. *Illinois Archaeology* 25: 141–161.

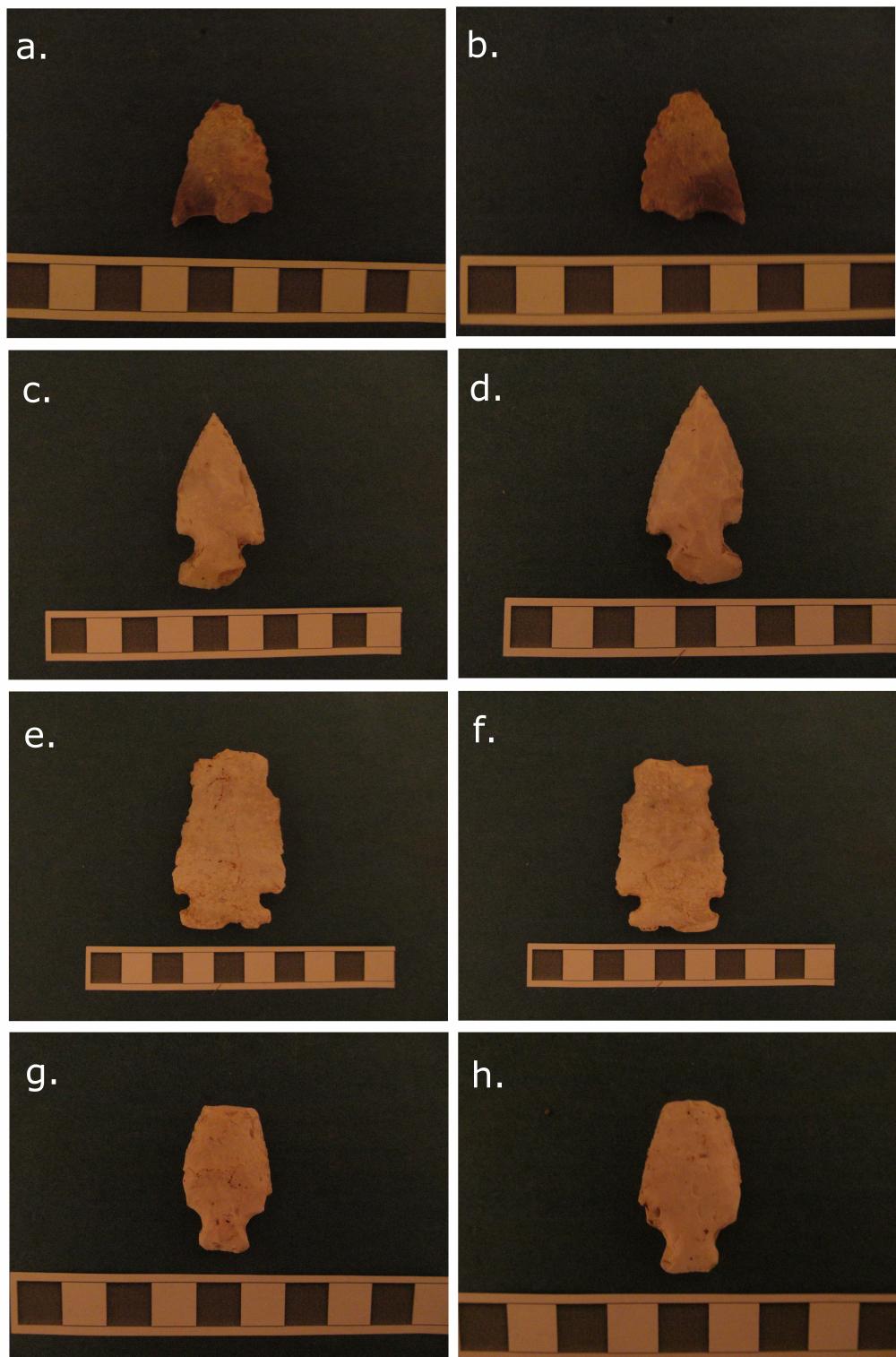


Figure 12: Diagnostic Projectile Point/Knives: a. Kirk Corner-Notched Point, Early Archaic (8000-6000 BCE) b. Kirk Corner-Notched Point, reversed c. Godar Point, Middle to Late Archaic (6000-1000 BCE) d. Godar Point, reversed e. Osceola Point, Late Archaic to Early Woodland (3000 BCE-1 CE) f. Osceola Point, reversed g. Apple Blossom Point, Late Archaic to Early Woodland (3000 BCE-1 CE) h. Apple Blossom Point, reversed
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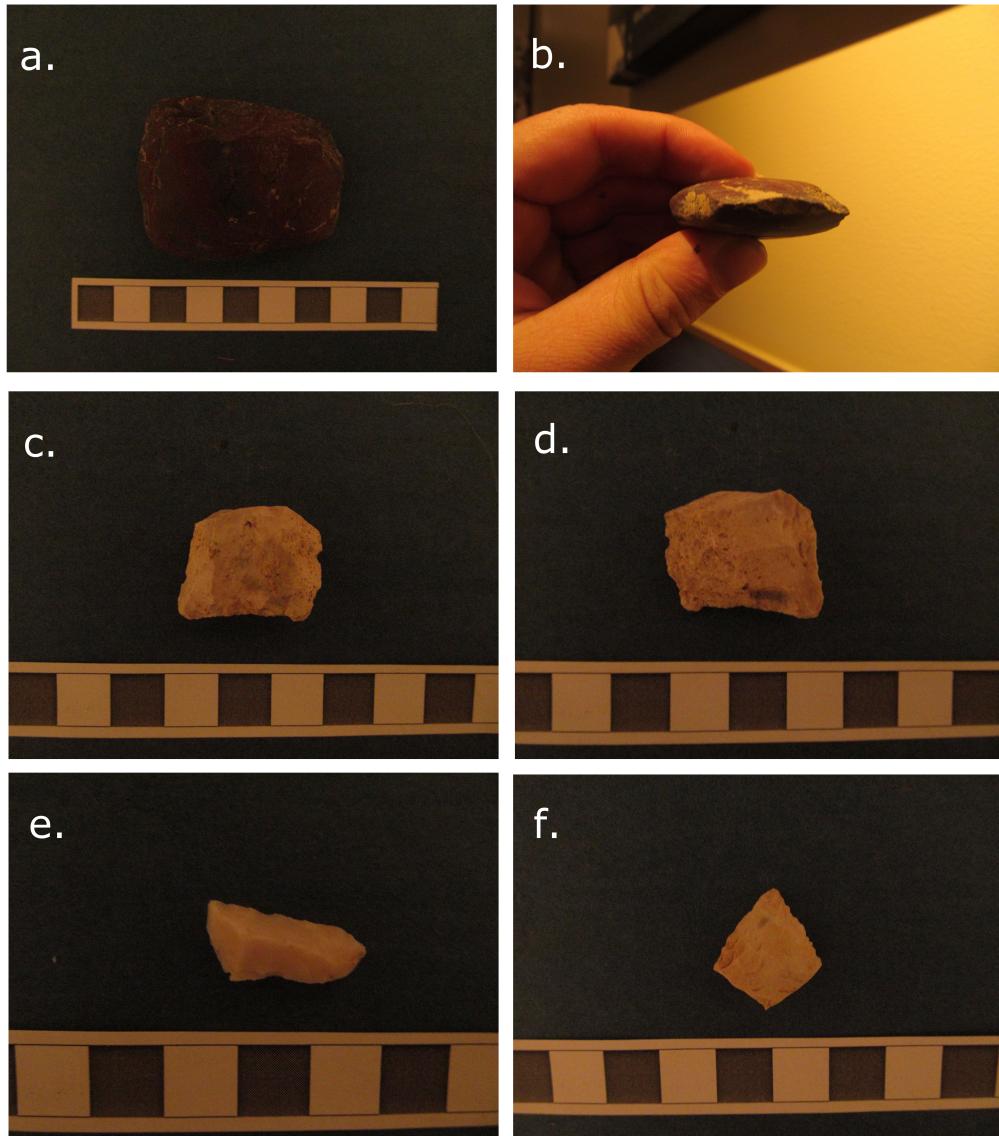


Figure 13: Non-Diagnostic Tools of Tool Fragments

- a. Celt
- b. Celt, with cutting edge shown
- c. Biface fragment
- d. Biface fragment, reversed
- e. Drill tip
- f. Broken point tip

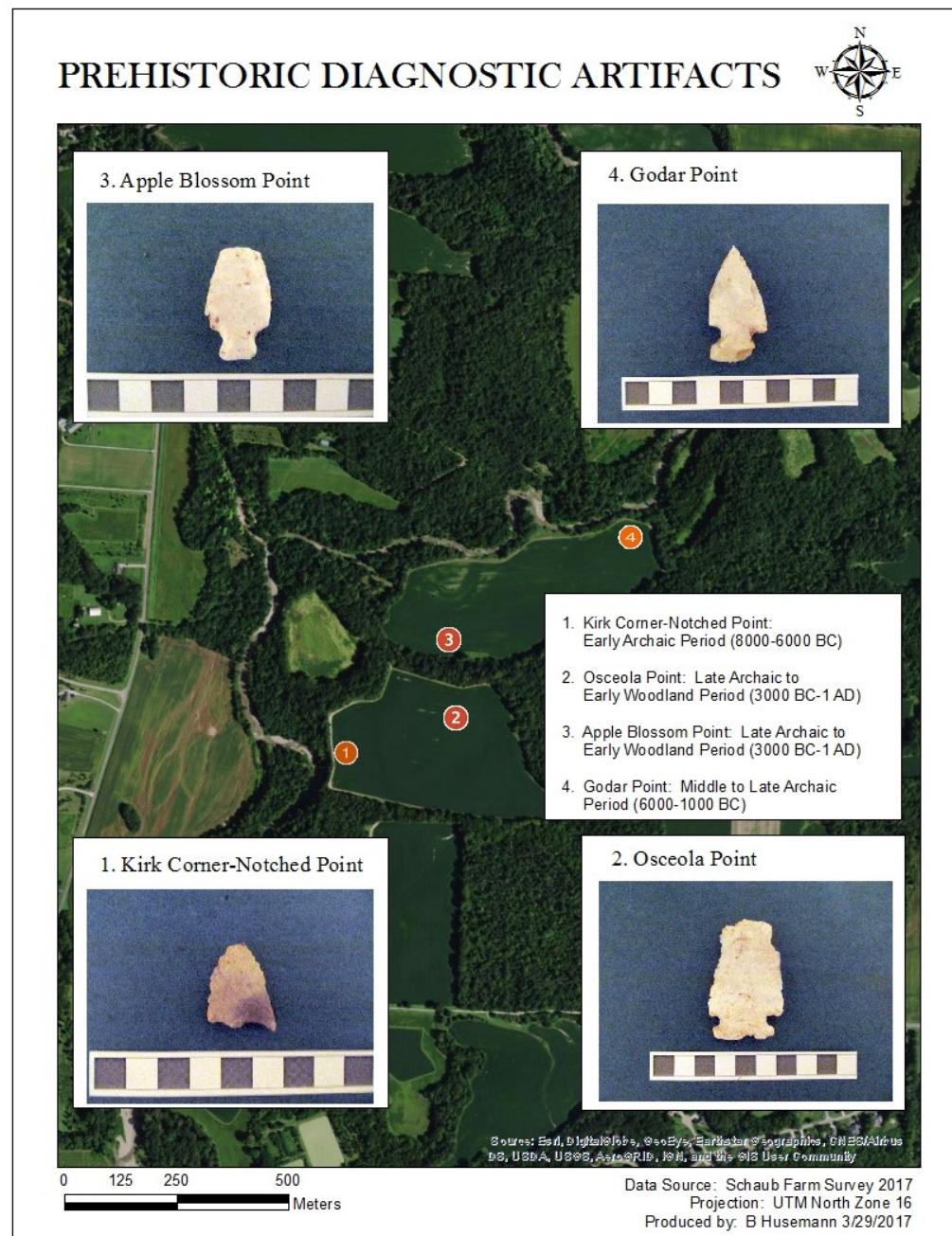


Figure 14: Map of projectile point/knife locations

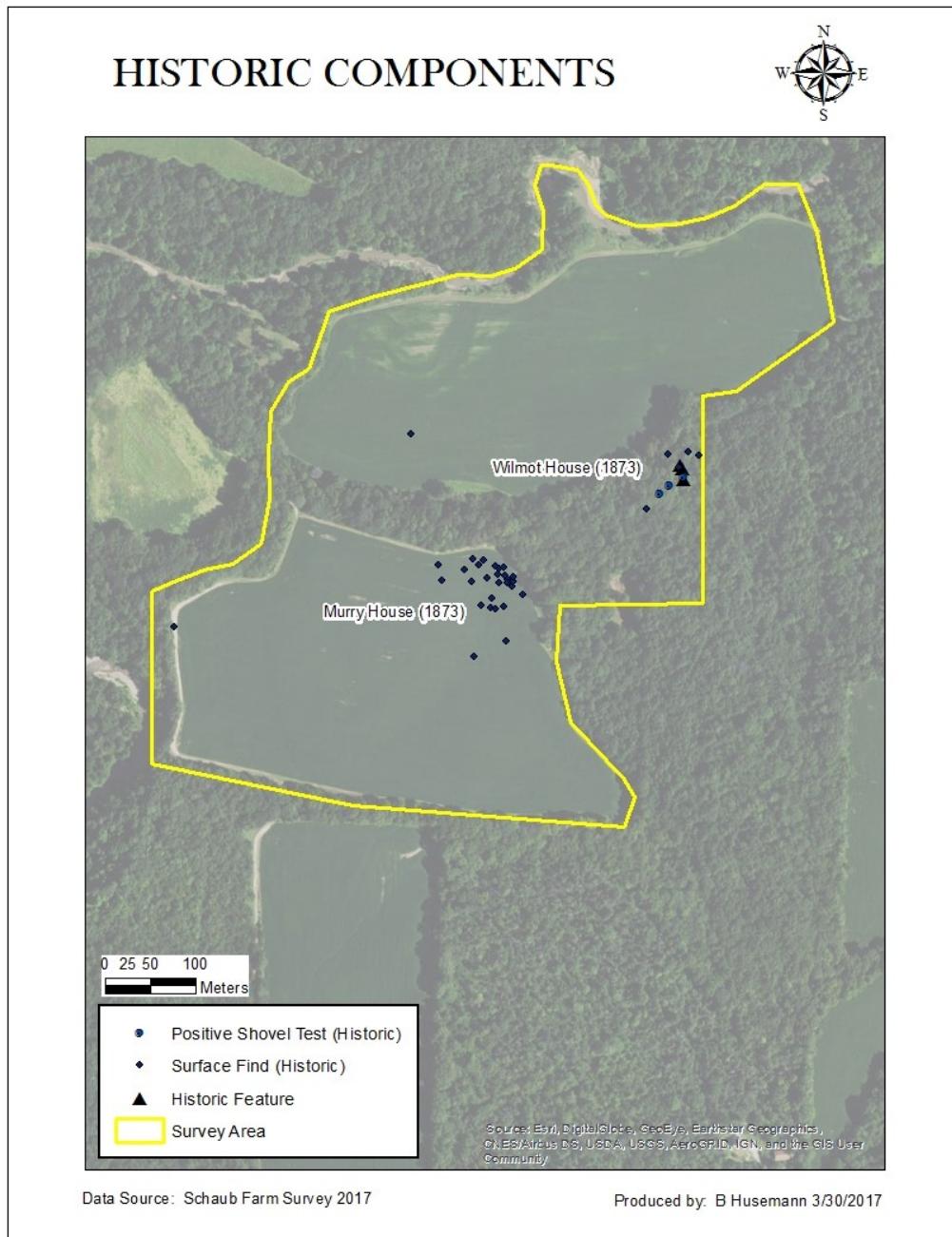


Figure 15: Map of historic components

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Figure 16: *Cellar pit, Wilmot house, viewshed facing southeast, with cistern in background*
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Figure 17: Interior of brick vault cistern, Wilmot house, with collapsed agricultural machinery
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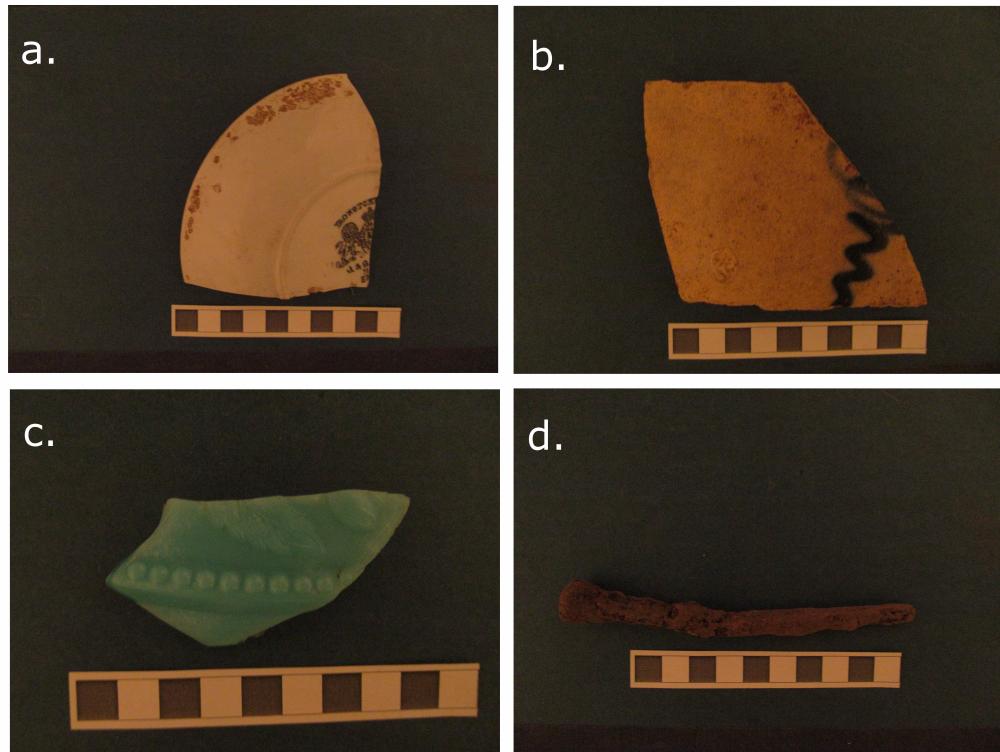


Figure 18: Historic artifacts from Wilmot house:

- a. J. & G. Meakin Ironstone Dishware, 1890-1907*
- b. Decorated salt-glazed stoneware with maker's mark*
- c. Decorated vessel glass*
- d. Square-cut nail*

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Figure 19: Cliff overlooking Senachwine Creek, viewshed facing south

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