

## **Attachment 4**

**Phase I Archaeological Survey  
Second Addendum  
October 2021  
Mannik & Smith Group**

**State Historic Preservation Office  
Correspondence  
November 19, 2021**



In reply, refer to  
2019-HUR-43954

November 19, 2021

Robert Chidester, Ph.D.  
Mannik & Smith Group  
1800 Indian Wood Circle  
Maumee, OH 43537  
[rchidester@manniksmithgroup.com](mailto:rchidester@manniksmithgroup.com)

**RE: Emerson Creek Wind Project, Groton and Oxford Townships, Erie County, and Lyme, Norwich, Ridgefield, and Sherman Townships, Huron County, Ohio – Second Addendum Report**

Dear Dr. Chidester:

This letter is in response to the correspondence received on October 27, 2021 regarding the proposed Emerson Creek Wind Project, Groton and Oxford Township, Erie County, and Lyme, Norwich, Ridgefield, and Sherman Townships, Huron County, Ohio. We appreciate the opportunity to comment on this project. The comments of the Ohio State Historic Preservation Office (SHPO) are made pursuant to Section 149.53 of the Ohio Revised Code and the Ohio Power Siting Board rules for siting this project (OAC 4906-4 & 4906-5). The comments of the Ohio SHPO are also submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 306108 [36 CFR 800]).

The following comments pertain to the *Second Addendum Report: Additional Phase I Archaeological Survey for the Emerson Creek Wind Project in Lyme and Norwich Townships, Huron County, Ohio* by Elizabeth L. Hickle et al (Mannik & Smith Group 2021).

The second addendum included 31.9 acres (12.9 ha) of survey. No previously identified archaeological sites are located within the second addendum areas. Two (2) new archaeological sites were identified, Ohio Archaeological Inventory (OAI)# 33HU0844 and 33HU0845. Neither site is recommended eligible for listing in the National Register of Historic Places (NRHP). Our office agrees with this recommendation. Our office appreciates the timely completion of the OAI site forms for these two archaeological sites.

On February 4, 2021, an Adverse Effect coordination letter was issued from our office regarding the history/architecture component of the Emerson Creek Wind Project. It was recommended that a Memorandum of Understanding (MOU) be development to address the adverse effect to the NRHP-eligible properties. Should it be determined that any archaeological sites are eligible for listing in the NRHP and the proposed project will have an adverse effect on those resources, those archaeological sites and mitigation measures should also be memorialized in that MOU.

It is our office's understanding the OAI Site Forms for the other phases of archaeological investigation are still underway for the Emerson Creek Wind Project and the completion goal of those forms is January 2022. Our office requests periodic updates on the status of these forms, including notification to myself and Brent Eberhard ([beberhard@ohiohistory.org](mailto:beberhard@ohiohistory.org)), Archaeology Survey Manager, when they are complete.

Our office looks forward to additional coordination for the Emerson Creek Wind Project and the development of the MOU to address the project's adverse effects on historic properties. If you have any questions, please contact me at (614) 298-2022, or by e-mail at [khorricks@ohiohistory.org](mailto:khorricks@ohiohistory.org). Thank you for your cooperation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Krista Horrocks".

Krista Horrocks, Project Reviews Manager  
Resource Protection and Review

RPR Serial No: 1090657

## Jennie Geiger

---

**From:** Robert Chidester <RChidester@manniksmithgroup.com>  
**Sent:** Friday, November 19, 2021 12:55 PM  
**To:** Jennie Geiger  
**Cc:** Nate Pedder  
**Subject:** FW: Emerson Creek Wind Project, Huron County, Ohio – Second Addendum Report (2019-HUR-43954, RPR Serial No: 1090657)  
**Attachments:** 2019HUR43954\_1090657\_Reviewletter\_FC.PDF

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**From:** Krista Horrocks <khorrocks@ohiohistory.org>  
**Sent:** Friday, November 19, 2021 1:20 PM  
**To:** Robert Chidester <RChidester@manniksmithgroup.com>  
**Subject:** Emerson Creek Wind Project, Huron County, Ohio – Second Addendum Report (2019-HUR-43954, RPR Serial No: 1090657)

**EXTERNAL EMAIL:** Open with EXTREME caution!

Dr. Chidester,

Please see attached for our coordination letter regarding the Emerson Creek Wind Project, Huron County, Ohio – Second Addendum Report (2019-HUR-43954, RPR Serial No: 1090657). Please feel free to contact me directly via phone or e-mail if you have any questions.

Thank you and have a wonderful day,  
Krista

**Krista Horrocks | Project Reviews Manager, State Historic Preservation Office**  
Ohio History Connection | 800 E. 17<sup>th</sup> Ave. Columbus, OH 43211-2474  
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*Did you know the Ohio SHPO now accepts electronic-only submissions for state and/or federal review under Section 106 and ORC 149.53? Please send your submissions to [section106@ohiohistory.org](mailto:section106@ohiohistory.org). We have also updated our [Survey Report Submission Standards](#).*

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# PHASE I ARCHAEOLOGICAL SURVEY

SECOND ADDENDUM REPORT  
EMERSON CREEK WIND PROJECT  
HURON COUNTY, OHIO

OCTOBER 2021

PREPARED FOR:  
**FIRELANDS WIND, LLC**  
310 4<sup>TH</sup> ST. NE, SUITE 300  
CHARLOTTESVILLE, VIRGINIA 22902

PREPARED BY:  
**THE MANNIK & SMITH GROUP, INC.**  
1800 INDIAN WOOD CIRCLE  
MAUMEE, OHIO 43537





**Second Addendum Report: Additional Phase I Archaeological Survey for the Emerson Creek Wind Project  
in Lyme and Norwich Townships, Huron County, Ohio**

*Submitted by:*

Dr. Robert C. Chidester, RPA  
Project Manager / Principal Investigator

*Prepared by:*

Elizabeth L. Hickle, B.S.  
Robert C. Chidester, Ph.D.  
Meagan Bell, B.A.  
Athena Zissis, M.A.  
Adam R. Darkow, B.A.  
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*Prepared for:*

Firelands Wind, LLC  
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Charlottesville, Virginia 22902

*Lead Agency:*

Ohio Power Siting Board

October 2021



## **EXECUTIVE SUMMARY**

From August – September 2021, MSG completed additional Phase I archaeological reconnaissance survey of approximately 31.9 ac (12.9 ha) for the proposed Emerson Creek Wind Project (Project) in Lyme and Norwich townships, Huron County, Ohio. The siting and construction of the proposed wind energy generation facilities will be permitted by the Ohio Power Siting Board under Chapter 4906 of the Ohio Revised Code. The survey strategy used was the same as was used for the original survey of approximately 3,139 ac (1,270 ha) and subsequent additional survey of 298 ac (121 ha) for the Project (Chidester, Hayfield et al. 2021; Chidester, Hickie et al. 2021).

For the purposes of the Phase I archaeological survey, a 106-m (350-ft) buffer around proposed turbine pads and a 30.5-m (100-ft) buffer around the centerline of proposed access roads and underground collection lines were surveyed. As a result of the additional survey efforts, MSG recorded two new archaeological sites in Huron County. The newly recorded sites have been designated as 33HU0844 and 33HU0845. 33HU0844 is a prehistoric lithic scatter in Lyme Township that may date to the Early Archaic period. 33HU0845 is a dense domestic refuse dump dating to the early 20<sup>th</sup> century in Norwich Township.

MSG evaluated both newly recorded sites against the criteria for listing on the National Register of Historic Places (NRHP) (36 CFR 60.4). Based on the results of the additional survey efforts, neither site appears to be eligible for listing on the NRHP. Therefore, further investigations of these two sites are recommended.

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## **1.0 INTRODUCTION**

In October 2019, Firelands Wind, LLC (Firelands Wind) contracted The Mannik & Smith Group, Inc. (MSG) to complete a Phase I archaeological survey of the proposed Emerson Creek Wind Project (Project) in Groton and Oxford townships, Erie County, and Lyme, Norwich, Ridgefield and Sherman townships, Huron County, Ohio (Figure 1.1). The siting and construction of the proposed wind energy generation facilities will be permitted by the Ohio Power Siting Board (OPSB) under Chapter 4906 of the Ohio Revised Code, which requires the OPSB to take cultural resources into consideration as part of the application filing requirements for wind energy generation projects.

MSG completed an initial survey of the Project from December 2019 – July 2020 (Chidester, Hayfield et al. 2021). As a result of this survey, MSG recorded 271 archaeological sites within the survey area (including 11 previously recorded sites). An additional 13 previously recorded archaeological sites mapped within the survey area could not be re-located by MSG. Following the submission of a technical report to the Ohio State Historic Preservation Office (SHPO) in January 2021, revisions to the Project design resulted in the addition of approximately 298 ac (121 ha) outside of the original 3,139 ac (1,270 ha) survey area that may be impacted by Project construction. MSG completed additional Phase I archaeological survey efforts from March – June 2021, using the same methodology as was used for the original survey (Chidester, Hickie et al. 2021). As a result of this second survey, MSG recorded another 20 new archaeological sites and additional information regarding 13 previously recorded sites.

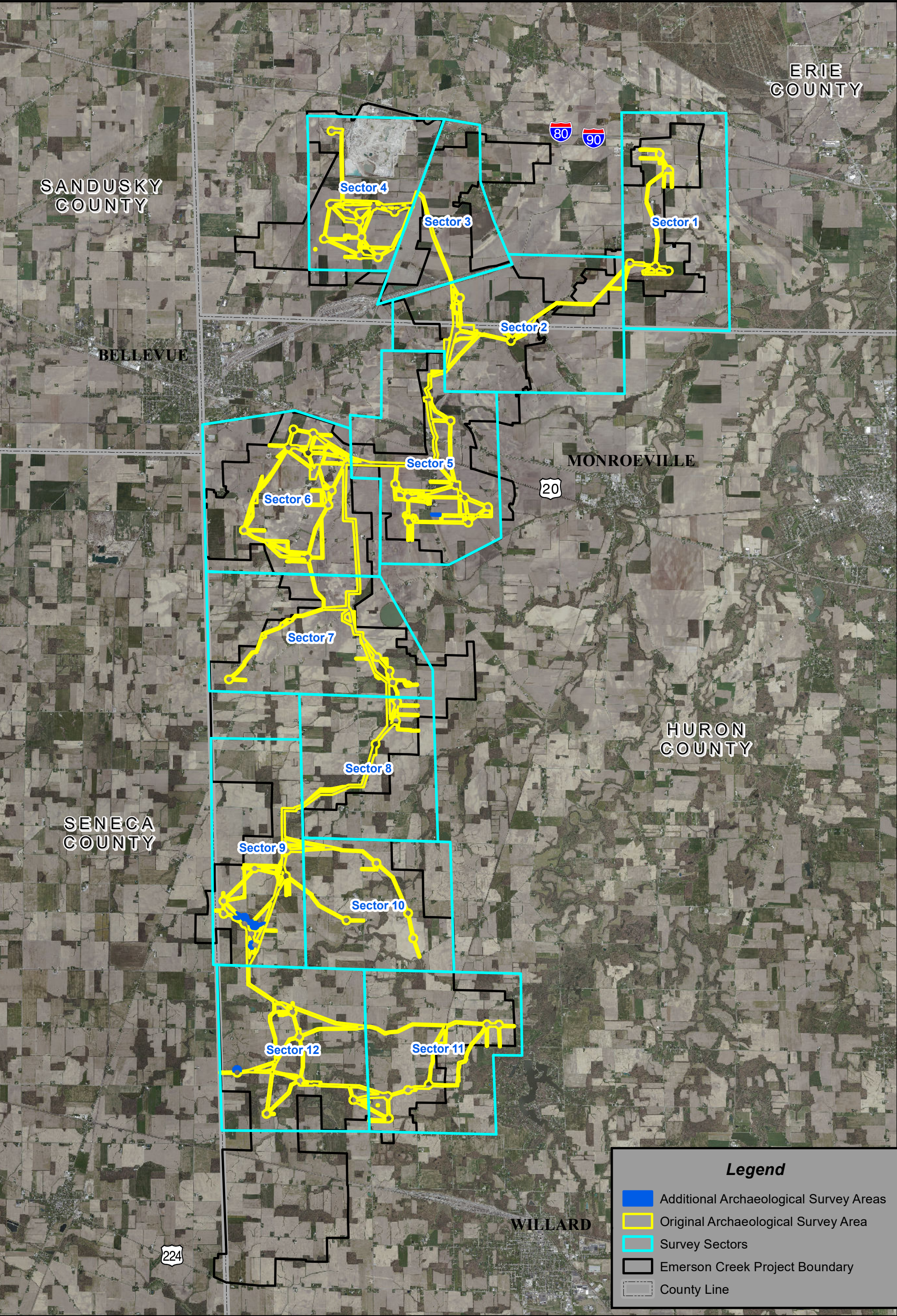
This report presents the results of another round of additional survey efforts for the Emerson Creek Wind Project, covering revised facility design in seven locations in Lyme and Norwich townships (Figure 1.2). The total acreage surveyed during this round equals 31.9 ac (12.9 ha), spread across seven survey areas. Section 2 presents the results of the survey efforts, while Section 3 provides a summary of the survey results and National Register of Historic Places (NRHP) eligibility evaluations. Appendices include a photograph log, an artifact catalog, and Ohio Archaeological Inventory (OAI) forms for each newly identified site recorded during the additional survey efforts. Since the background research, field and laboratory methodology, and approach to NRHP eligibility evaluation were all presented in the original survey report (Chidester, Hayfield et al. 2021), these sections will not be reproduced here.

Dr. Robert Chidester, RPA served as MSG's Project Manager and as the Principal Investigator for this survey. Elizabeth Hickie, B.S., served as the Field Director, and was assisted during fieldwork by and field technicians Nicole Davis, Austin Forgash, Brandon Jewett, M. Paul Randall, Andrew Stachowiak, and Alicia Whitcome. Julia Joblinski, B.A., served as the Laboratory Director, and was assisted in artifact processing and analysis by Chidester, Project Archaeologist Meagan Bell, B.A., and laboratory technicians Forgash, Randall, Stachowiak, and Whitcome. Bryan Agosti, M.A. served as the GIS coordinator for the project. Hickie and Chidester are the primary authors of this report. Project Archaeologist Kate Hayfield, B.S., coordinated the production of graphics and exhibits, which were prepared by Bell, Agosti, and Project Archaeologist Athena Zissis, M.A. Project Archaeologist Adam Darkow, B.A., prepared the Ohio Archaeological Inventory (OAI) forms. Karen Braxton was responsible for report formatting and production.









**Figure 1.2: Archaeological Survey Areas**  
**Emerson Creek Wind Project**  
**Erie & Huron Counties, Ohio**



## **2.0 SURVEY RESULTS**

The second round of additional Phase I archaeological survey was completed between August 17 and September 2, 2021. As a result of these efforts, MSG recorded two new archaeological sites. The results of the survey within individual survey sectors are described below, along with summary descriptions of each recorded archaeological site. Sites that appear to be potentially eligible for the NRHP are described in more detail. OAI forms have been completed for each site recorded during the survey. For the purpose of summary description, the following definitions apply to site descriptions used in this section of the report:

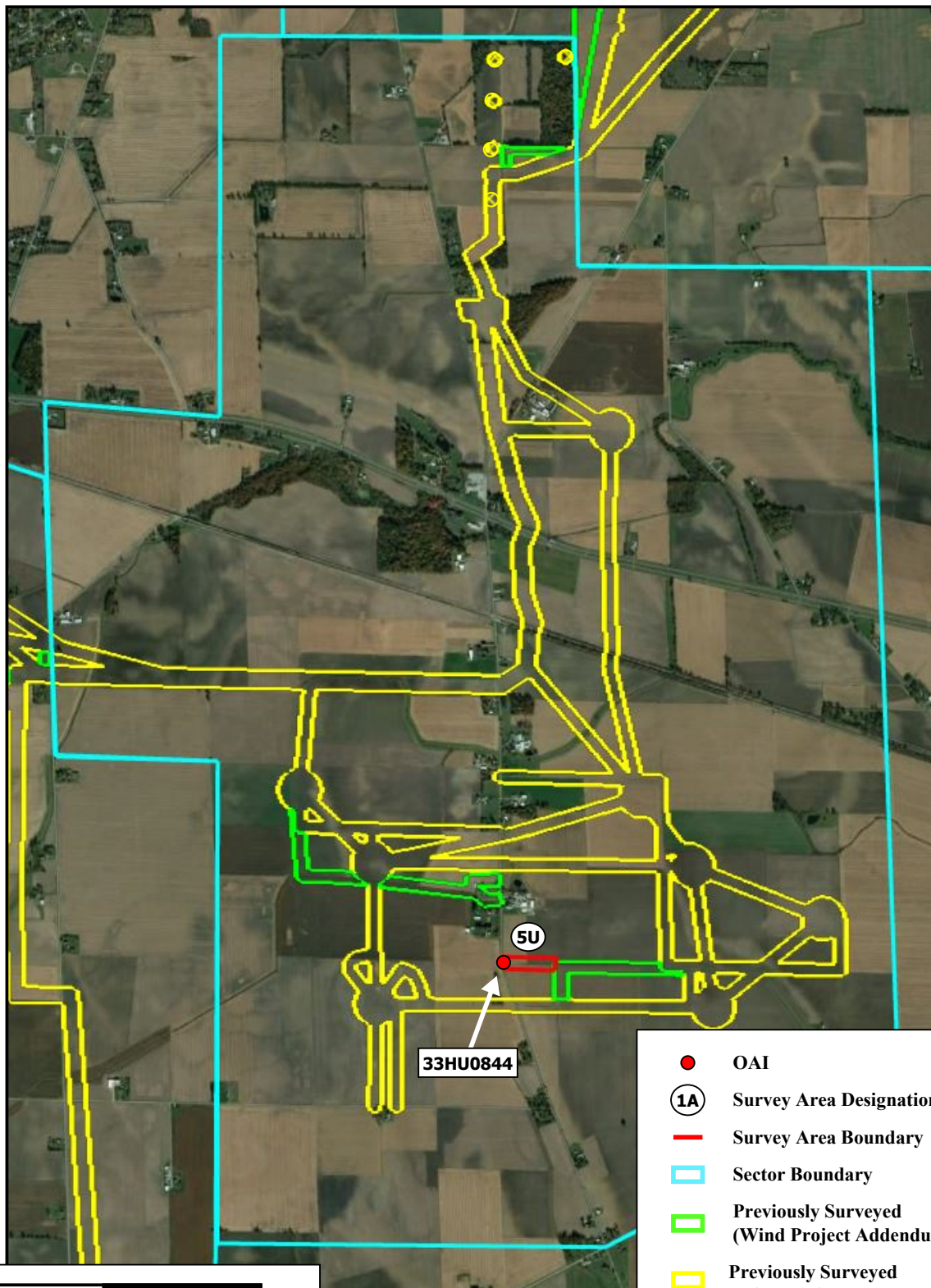
- An isolated find is a site consisting of a single artifact (either prehistoric or historic) with no accompanying cultural features.
- A small lithic scatter is a prehistoric site at which fewer than 20 artifacts were collected.
- A moderate lithic scatter is a prehistoric site at which between 20 and 100 artifacts were collected.
- A large lithic scatter is a prehistoric site at which more than 100 artifacts were collected.
- A small historic scatter is a historic site at which fewer than 50 artifacts were collected.
- A moderate historic scatter is a historic site at which between 50 and 200 artifacts were collected.
- A large historic scatter is a historic site at which more than 200 artifacts were collected.

### **2.1 Sector 5**

One additional survey area was examined in Sector 5. Archaeological site locations and alphanumeric Survey Area designations for Sector 5 are indicated on Figure 2.1, while survey methods and site sketch maps are depicted on Figure 2.2. One new archaeological site was recorded in Sector 5 during the additional survey for the Emerson Creek Wind generation facilities.

#### **2.1.1 33HU0844**

33HU0844 (Field Site ELH047) is small prehistoric lithic scatter located 5 m (16 ft) east of Sandhill Road and 665 m (2,182 ft) north of Opperman Road (Appendix A, Photo 3). This site consists of 15 artifacts, including eight expedient tools, five pieces of lithic debitage, one core fragment and one formal tool (a heavily re-worked projectile point). The expedient tools include scrapers, a spokeshave and a multi-tool. A majority of the artifacts are made of Pipe Creek chert (n=12), but Delaware, Flint Ridge – Moss Agate Variety and Upper Mercer cherts are also present. The projectile point, which is made of Pipe Creek chert, appears to have originally been a Kirk-type point (possibly a Kirk Serrated point) dating to the Early Archaic period that was re-worked multiple times. A shovel test pit (STP) excavated within the site exhibited a typical Ap/B stratigraphic soil profile, with the plow zone extending to a depth of 23 cm (9.1 in); the STP did not produce any artifacts (Appendix A, Photo 4). No evidence indicative of the presence of subsurface features (e.g., soil staining, fire-cracked rock) was observed at this site. 33HU0844 appears to represent a short-term Early Archaic occupation, possibly for the purposes of hunting and/or stone tool maintenance. It is unlikely that significant additional deposits are present at this site. Therefore, 33HU0844 does not appear to be eligible for listing on the NRHP. No further investigation of this site is recommended.

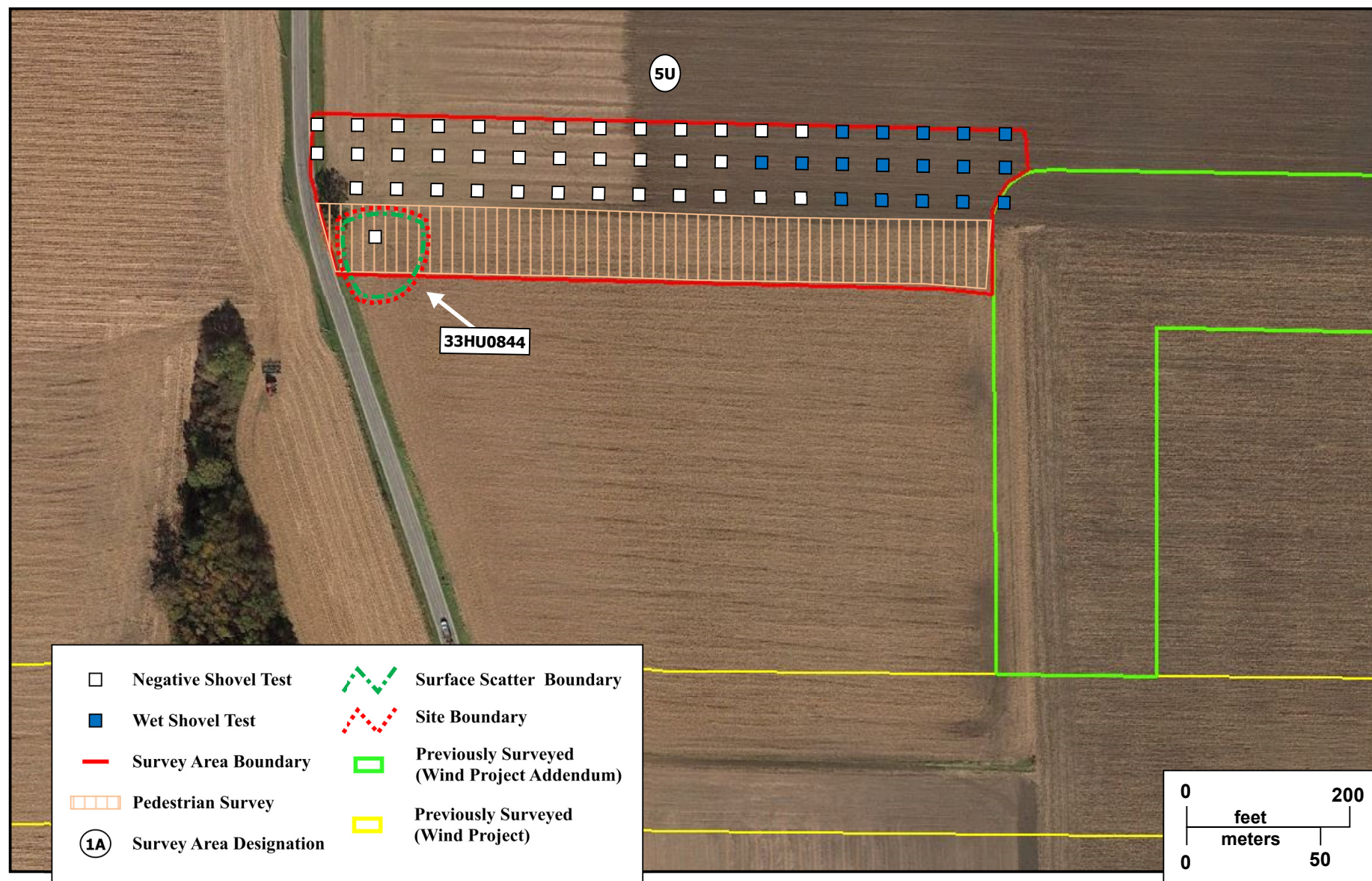


1 mile

- OAI
- 1A Survey Area Designation
- Survey Area Boundary
- Sector Boundary
- Previously Surveyed (Wind Project Addendum I)
- Previously Surveyed (Wind Project)
- Previously Surveyed (Transmission Line)







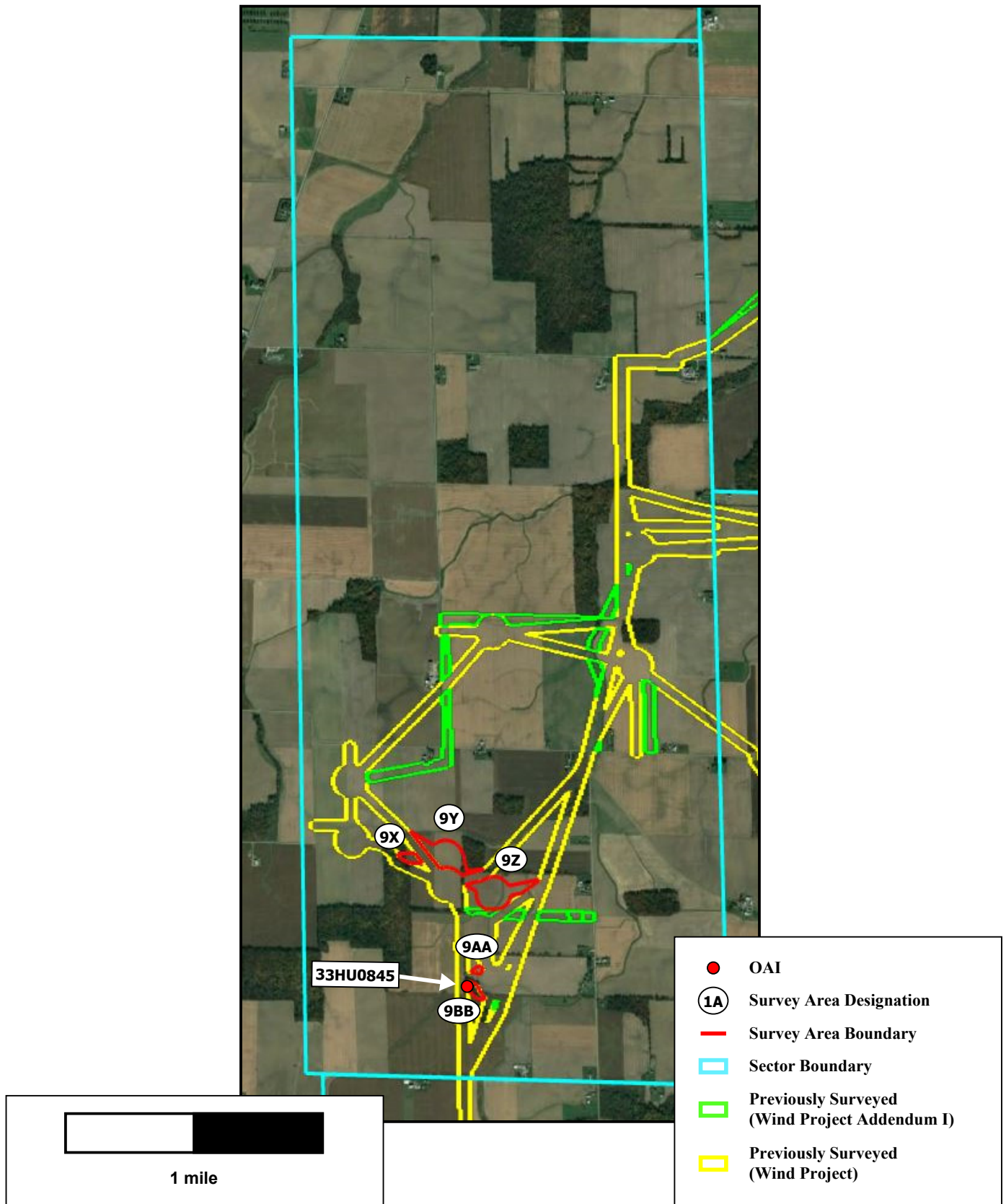
## 2.2 Sector 9

Five additional survey areas were examined in Sector 9. Archaeological site locations and alphanumeric Survey Area designations for Sector 9 are indicated on Figure 2.3, while survey methods and site sketch maps are depicted on Figures 2.4-2.5. One new archaeological site was recorded in Sector 9 during the additional survey for the Emerson Creek Wind generation facilities.

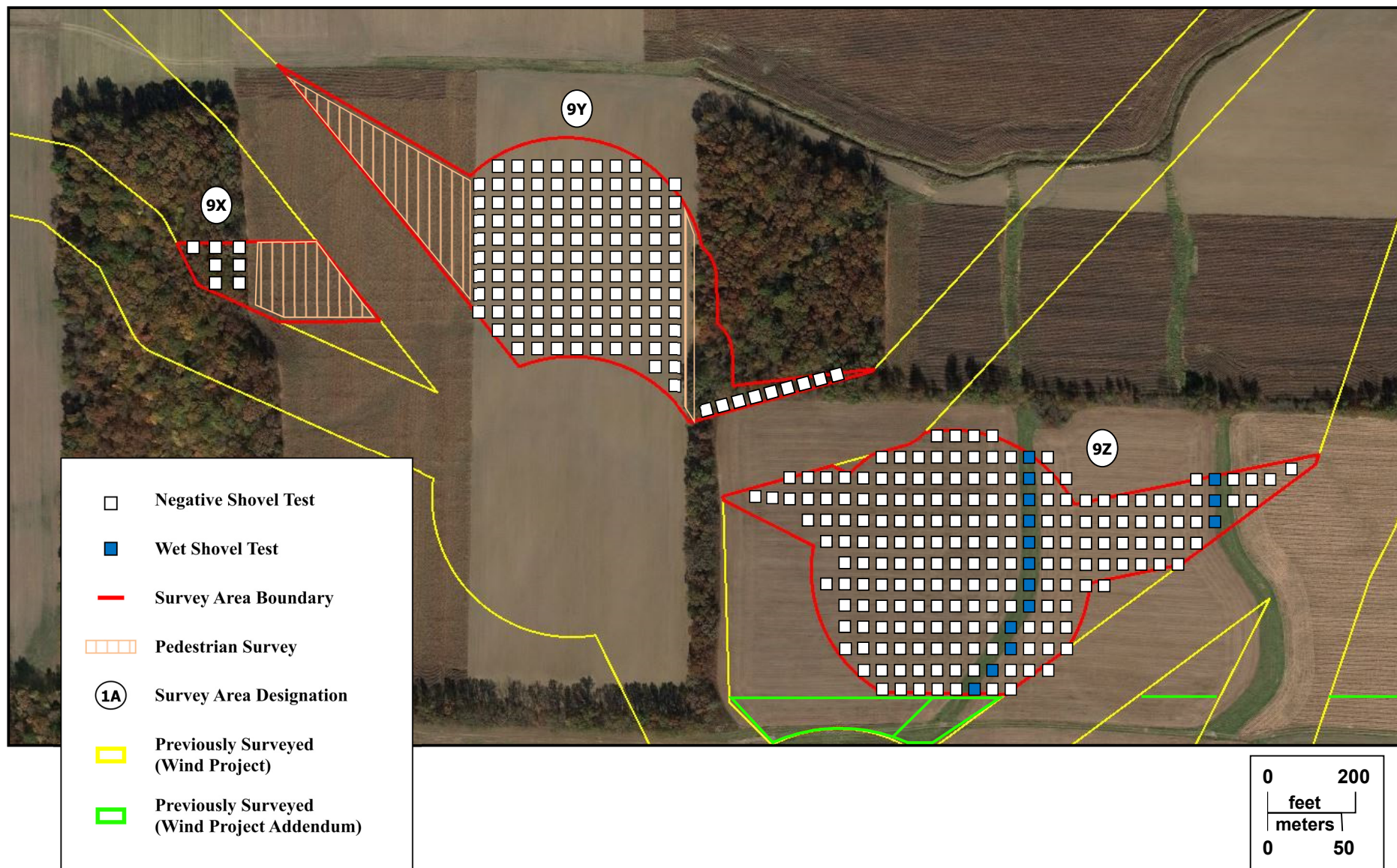
### 2.2.1 33HU0845

33HU0845 (Field Site ELH048) is large historic artifact scatter located in a wood lot approximately 562 m (1,844 ft) north of State Route 162 and 754 m (2,474 ft) west of Jennifer Road (Appendix A, Photo 15). Approximately 400 artifacts were observed on the surface of 33HU0845; 179 of these artifacts were collected as a sample. An additional 539 artifacts were recovered from a single shovel test pit excavated in the approximate center of the site. Material types include ceramic, glass, metal, plastic, and “other” artifacts (primarily leather footwear). A large portion of the artifacts recovered from 33HU0845 are temporally diagnostic of the period from roughly 1880-1940, including an embossed Consolidated Fruit Jar Co. aqua-tinted glass canning jar fragment (1872-1882); a solarized glass bottle fragment with tooled patent finish (ca. 1875-1914); a New Wharf Pottery Co. whiteware bowl sherd with maker’s mark (c. 1878-1894); utilitarian stoneware crock sherds (ca. 1880-1920); two lightning-type ceramic bottle stoppers (c. 1880-1920s); three Streater Bottle & Glass Co. beer bottle fragments embossed with “KUEBLER-STANG SANDUSKY, O” (1895-1898); 20 semi-automatic machine-made Ball Blue canning jar fragments (1896-1910); machine-made, solarized glass bottle / jar fragments (1905-1914); a McCormick’s Iron Glue bottle (1905-c. 1920); machine-made, aqua-tinted bottle fragments (1905-1930); press-molded, solarized J.B. Higbee Glass Co. pitcher fragments (1907-1918); machine-made, Ball Blue glass canning jar fragments (1909-1940); Lucky Tiger Remedy hair tonic bottle fragments (1910-1926); Puritan Drug Manufacturing Co. Aster Extract bottle fragments (1913-1936); numerous glass pharmaceutical and other bottles with maker’s marks dating from the 1910s-1930s; five W.T. Rawleigh’s pharmaceutical bottle fragments (1929-1940); and four Charles E. Hires Co. Root Beer Extract bottle fragments (1937-1940). Other notable artifacts include three pieces of horse saddle hardware and 75 pieces of leather footwear representing at least three different boots.

No structures are shown in the location of 33HU0845 on any of the historic maps consulted for this project (Lake et al. 1873; Mesnard and Perrin 1891; USGS 2019). In 1873, the site was located on a 49.75-acre parcel owned by H. Hasman; in 1891, the parcel was owned by Emma Meyers. In both years, as well as on the 1915 15’ Siam, OH topographic quadrangle, a structure (presumably a farmhouse) is shown adjacent to Jennifer Road on this parcel. A shovel test pit excavated in the approximate center of the site revealed a soil profile with the A horizon extending to a depth of 20 cm (7.9 in) (Appendix A, Photos 16-18). Nearly all of the 539 artifacts recovered from the STP came from the A horizon, but seven artifacts were recovered from the B horizon. Although the artifact assemblage spans a period of over half a century, the vast majority of artifacts appear to represent a smaller period from roughly 1910-1930. 33HU0845 likely represents concentrated farmstead refuse disposal in a convenient woodlot by the inhabitants of the Meyers farmstead. In fact, given the density of the deposit within a relatively small site area, it may even represent a single intensive dumping episode, as for instance often happened when an older household member died or farmsteads changed hands from one family to another (see Rotman 2005).

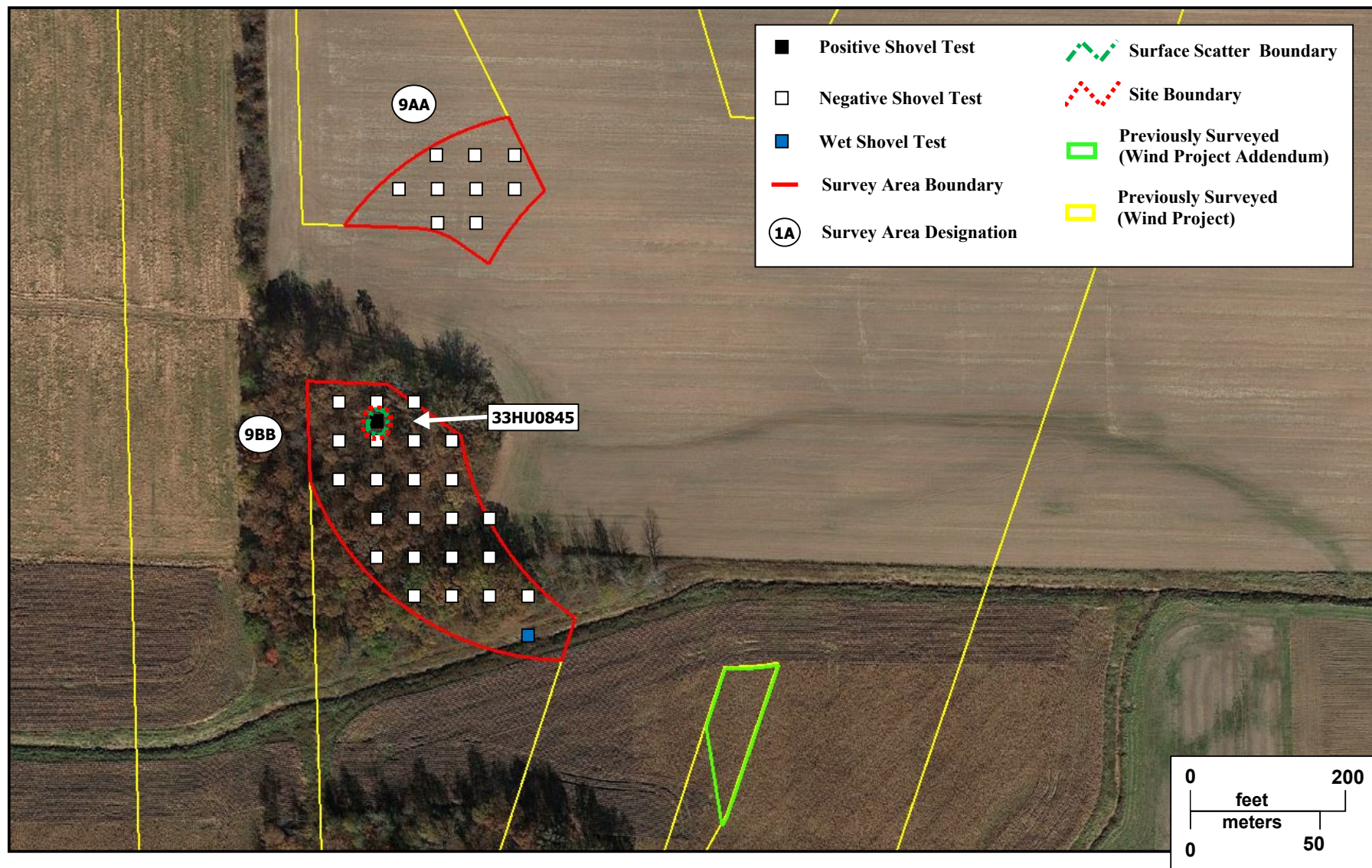






**Figure 2.4**  
**Survey Areas 9X, 9Y and 9Z**  
**Survey Methods and Results**  
**Emerson Creek Wind Project**  
**Huron County, Ohio**





**Figure 2.5**  
**Survey Areas 9AA and 9BB**  
**Survey Methods and Results**  
**Emerson Creek Wind Project**  
**Huron County, Ohio**

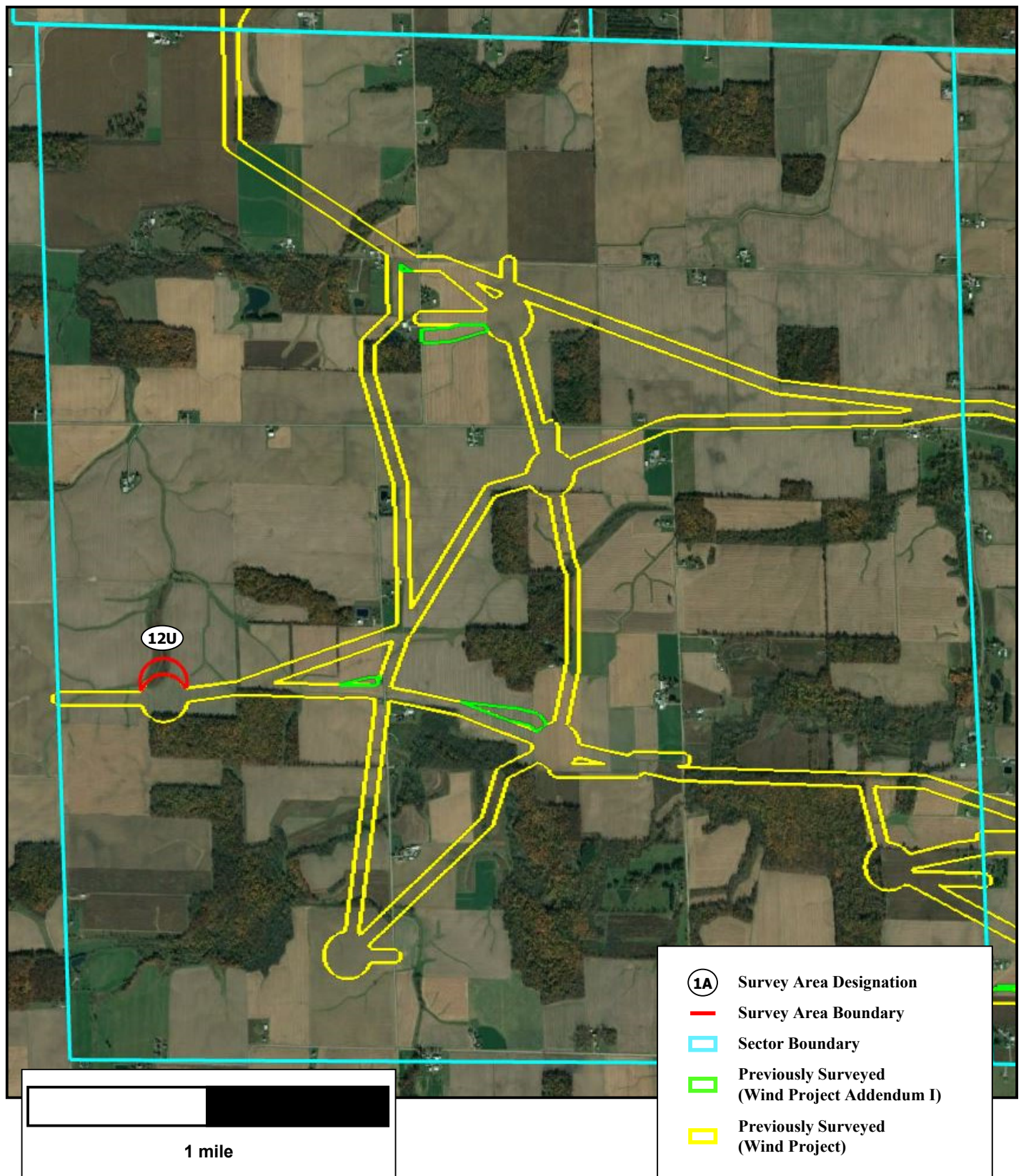


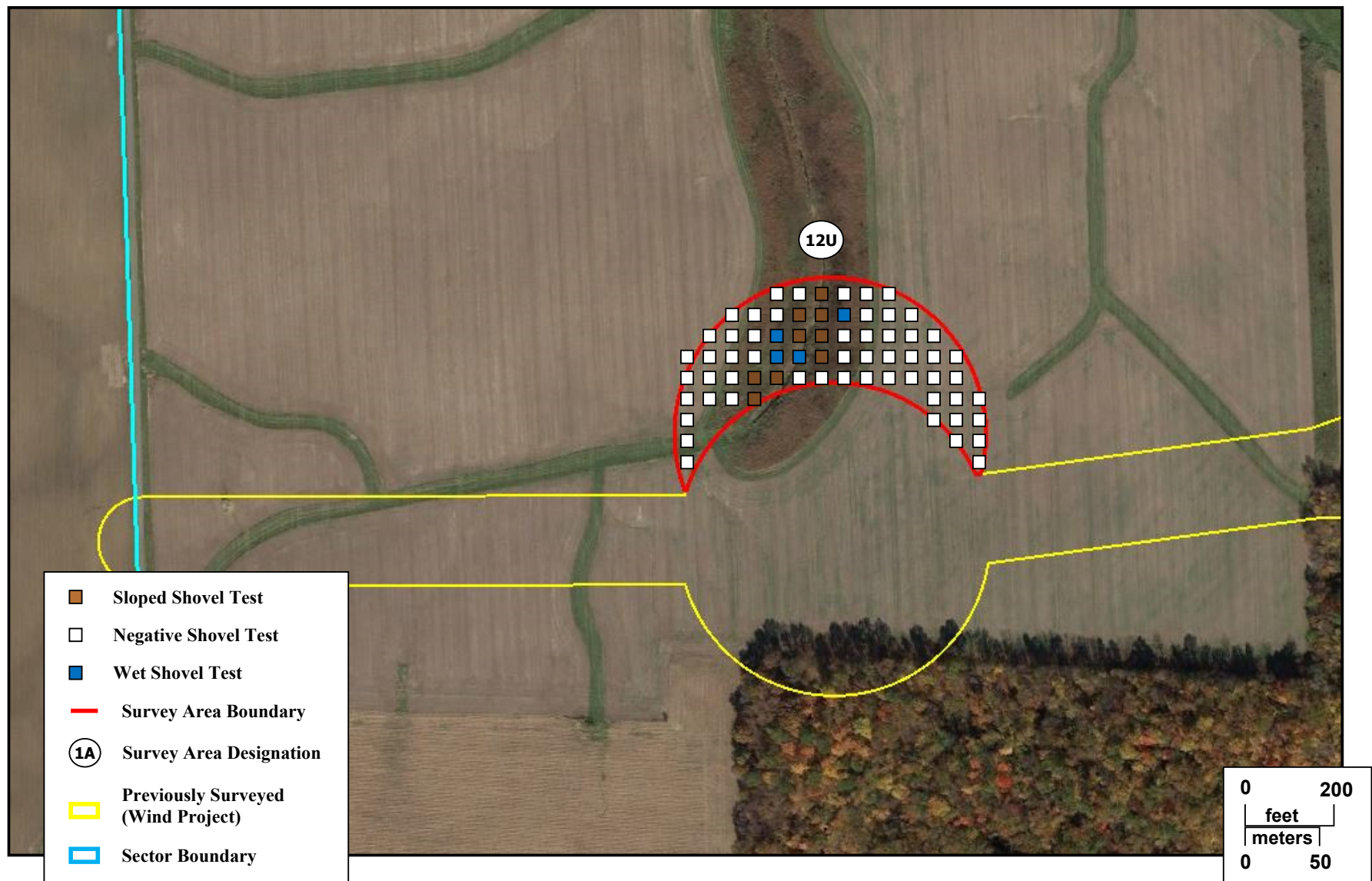
While other archaeological resources associated with the historic Hasman / Meyers farmstead may exist outside of the Project Area, refuse dumps in and of themselves rarely meet the criteria for NRHP eligibility. While additional investigation of 33HU0845 would undoubtedly result in the recovery of hundreds or perhaps even thousands of additional artifacts, the data represented by these artifacts would be redundant with the data already collected. Therefore, this site does not meet Criterion D for NRHP eligibility. Furthermore, it does not appear to be associated with important persons or events in local or regional history, and it does not provide new or important information regarding architecture or the use of space on Huron County farmsteads. Therefore, 33HU0845 does not appear to be eligible for the NRHP, and no further investigation is recommended.

## **2.3 Sector 12**

One additional survey area was examined in Sector 12. Alphanumeric Survey Area designations for Sector 12 are indicated on Figure 2.6, while survey methods are depicted on Figures 2.7. No additional archaeological sites were identified in Sector 12.







**Figure 2.7**  
**Survey Area 12U**  
**Survey Methods and Results**  
**Emerson Creek Wind Project**  
**Huron County, Ohio**



### **3.0 SUMMARY AND RECOMMENDATIONS**

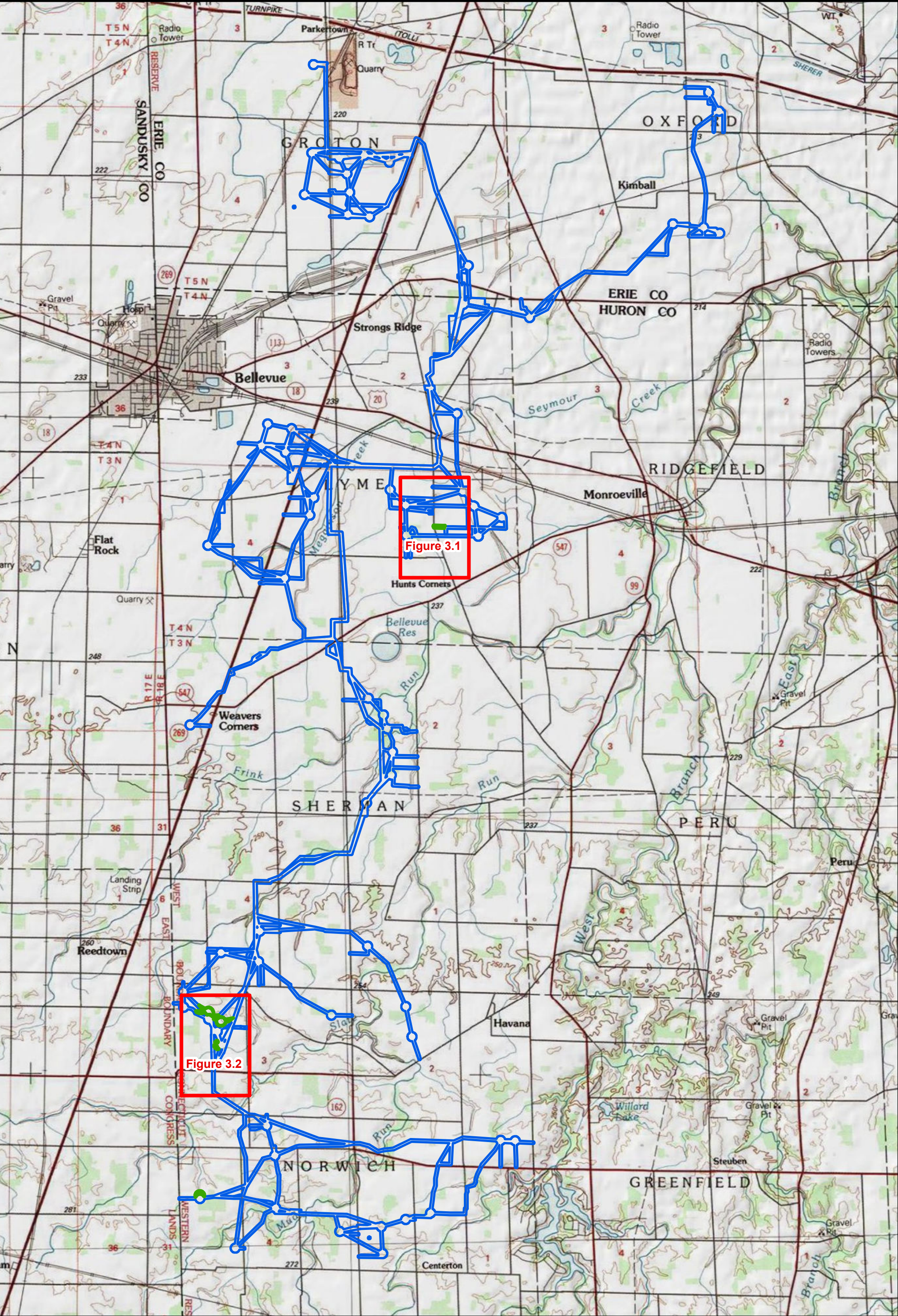
From August 17 – September 2, 2021, MSG completed additional Phase I archaeological reconnaissance survey of approximately 31.9 ac (12.9 ha) for the proposed Emerson Creek Wind Project in Lyme and Norwich townships, Huron County, Ohio. The survey strategy used was the same as was used for the original survey of approximately 3,139 ac (1,270 ha) for the Project (Chidester, Hayfield et al. 2021) as well as a first round of additional survey completed earlier in 2021 (Chidester, Hickie et al. 2021). Background research completed by EDR and MSG (Chidester and Agosti 2019; Lawson et al. 2019) indicated that the archaeological site types most likely to be present in the survey areas include short-term, single- or multi-component prehistoric sites related to subsistence resource procurement or tool manufacture and/or maintenance from all prehistoric cultural periods, as well as 19<sup>th</sup>- and 20<sup>th</sup>-century sites associated with Euro-American farmsteads. An archaeological predictive model prepared by MSG indicated that the environmental factors most associated with prehistoric archaeological site location include proximity to permanent water sources, proximity to previously recorded archaeological sites, and elevation above mean sea level; while the environmental factors most associated with historic archaeological site locations include proximity to roads, proximity to above-ground historic sites and structures, and proximity to permanent water sources.

For the purposes of the current round of additional Phase I archaeological survey, a 106-m (350-ft) buffer around proposed turbine pads and a 30.5-m (100-ft) buffer around the centerline of proposed access roads and underground collection lines were surveyed. As a result of the additional survey efforts, MSG recorded two new archaeological sites:

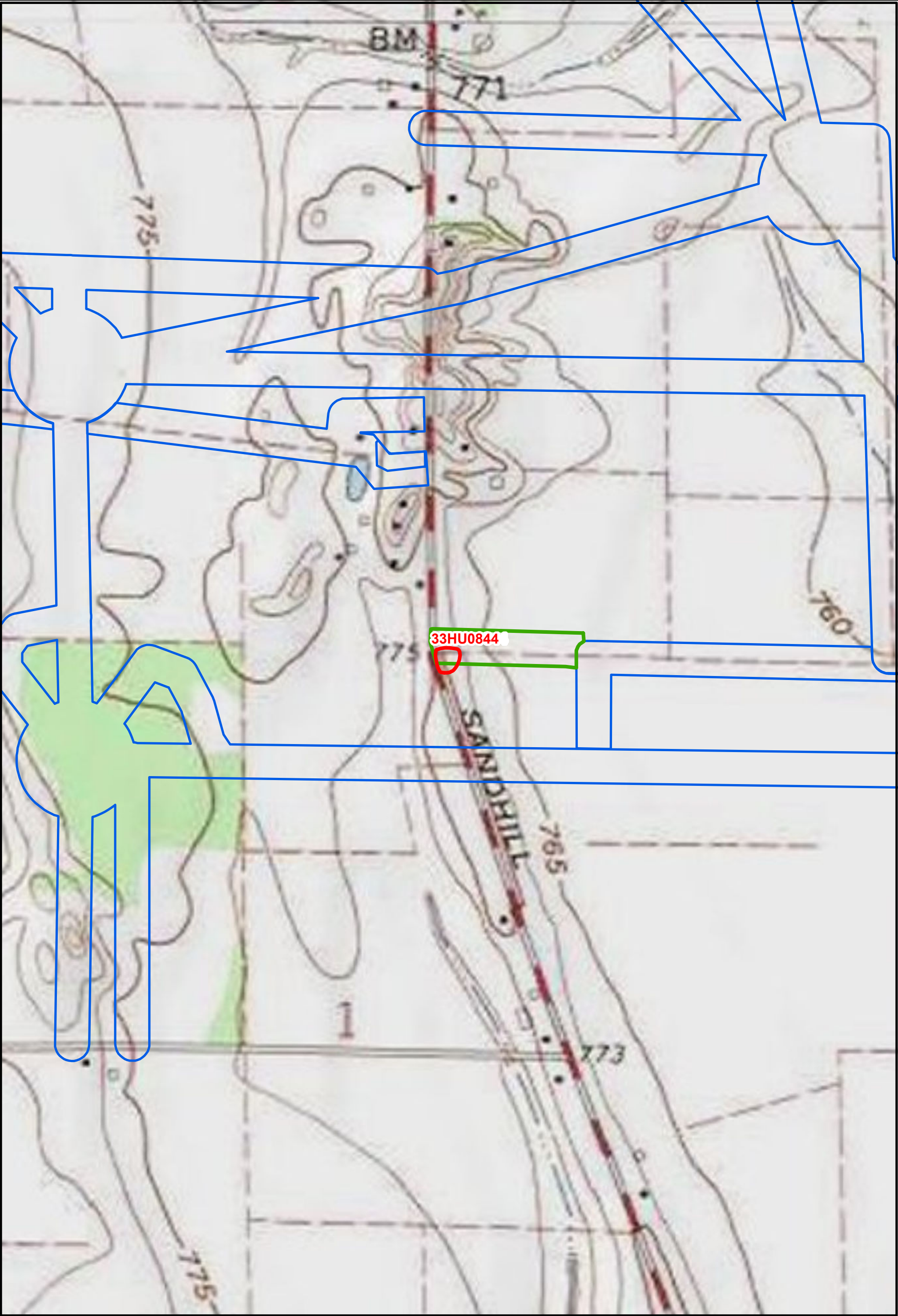
- 33HU0844 is a prehistoric lithic scatter in Lyme Township that may date to the Early Archaic period. This site appears to be a short-term occupation locale, possibly used for the purposes of hunting and/or stone tool maintenance. No evidence for the presence of subsurface features was observed at this site. It does not appear to be eligible for listing on the NRHP.
- 33HU0845 is a dense domestic refuse dump dating to the early 20<sup>th</sup> century in Norwich Township. It may represent either intensive, short-term use of this particular locale for refuse disposal, or possibly a single dumping event associated with the death of an older family member, the sale of the farm from one family to another, or a similar event. While thousands of artifacts likely remain at the site, further investigation would only yield data redundant with that already collected from the site. Therefore, 33HU0845 does not appear to be eligible for the NRHP.

The formal boundaries of both sites documented in this report are shown on Figures 3.0-3.2. Since neither site appears to be eligible for the NRHP, no further investigations are recommended.

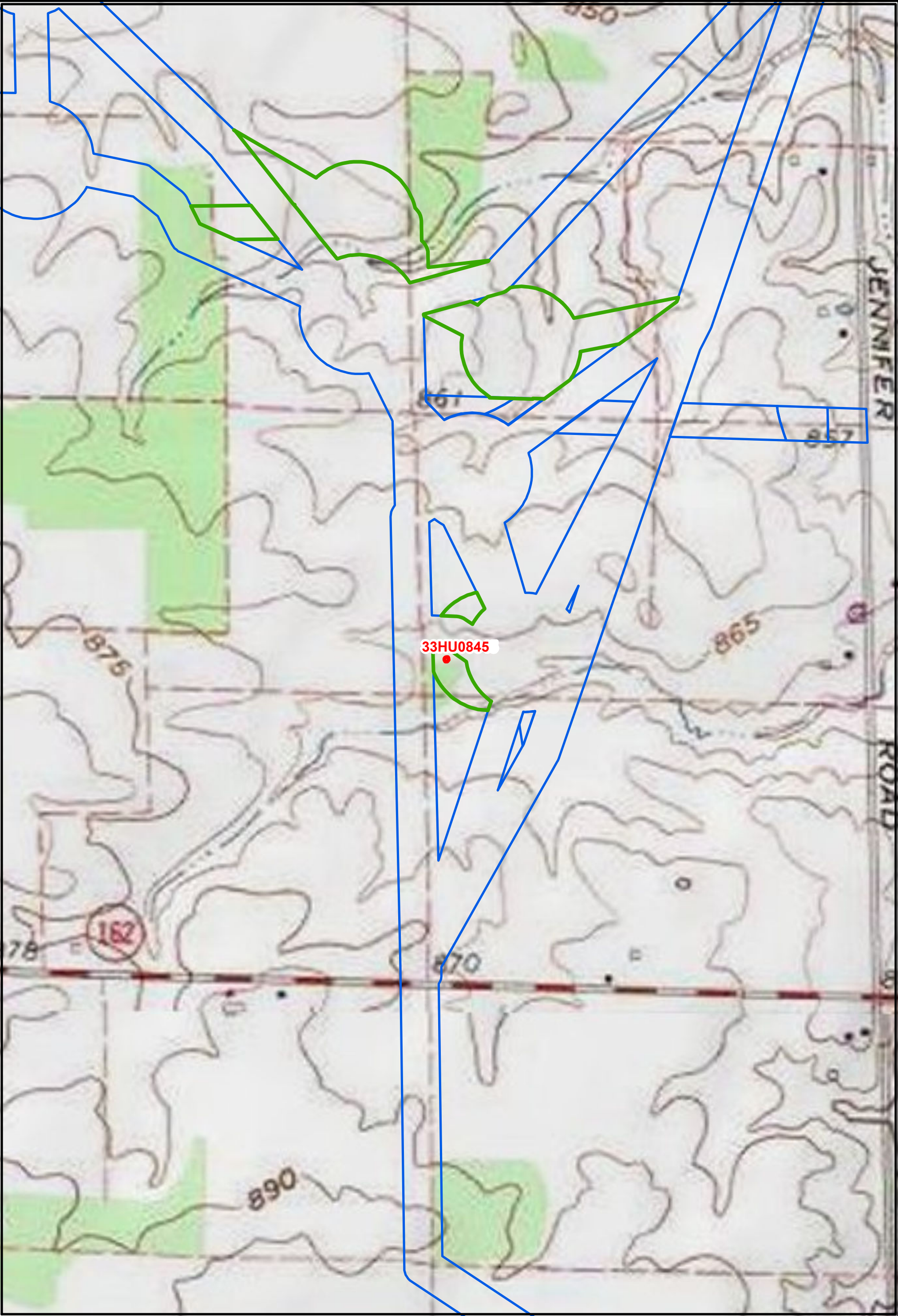












**Figure 3.2: OAI Site Locations  
Emerson Creek Wind Project  
Erie & Huron Counties, Ohio**

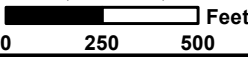
**Legend**

 OAI


 Additional Archaeological Survey Areas

 Original Archaeological Survey Area

**Notes**  
USGS Quadrangles, 7.5' Series Topographic  
Bellevue, OH 1979, Kimball, OH 1969  
Centerton, & Flat Rock, OH 1970  
Monroeville & Williard, Huron Co., OH 1972



0 250 500 Feet





#### 4.0 REFERENCES CITED

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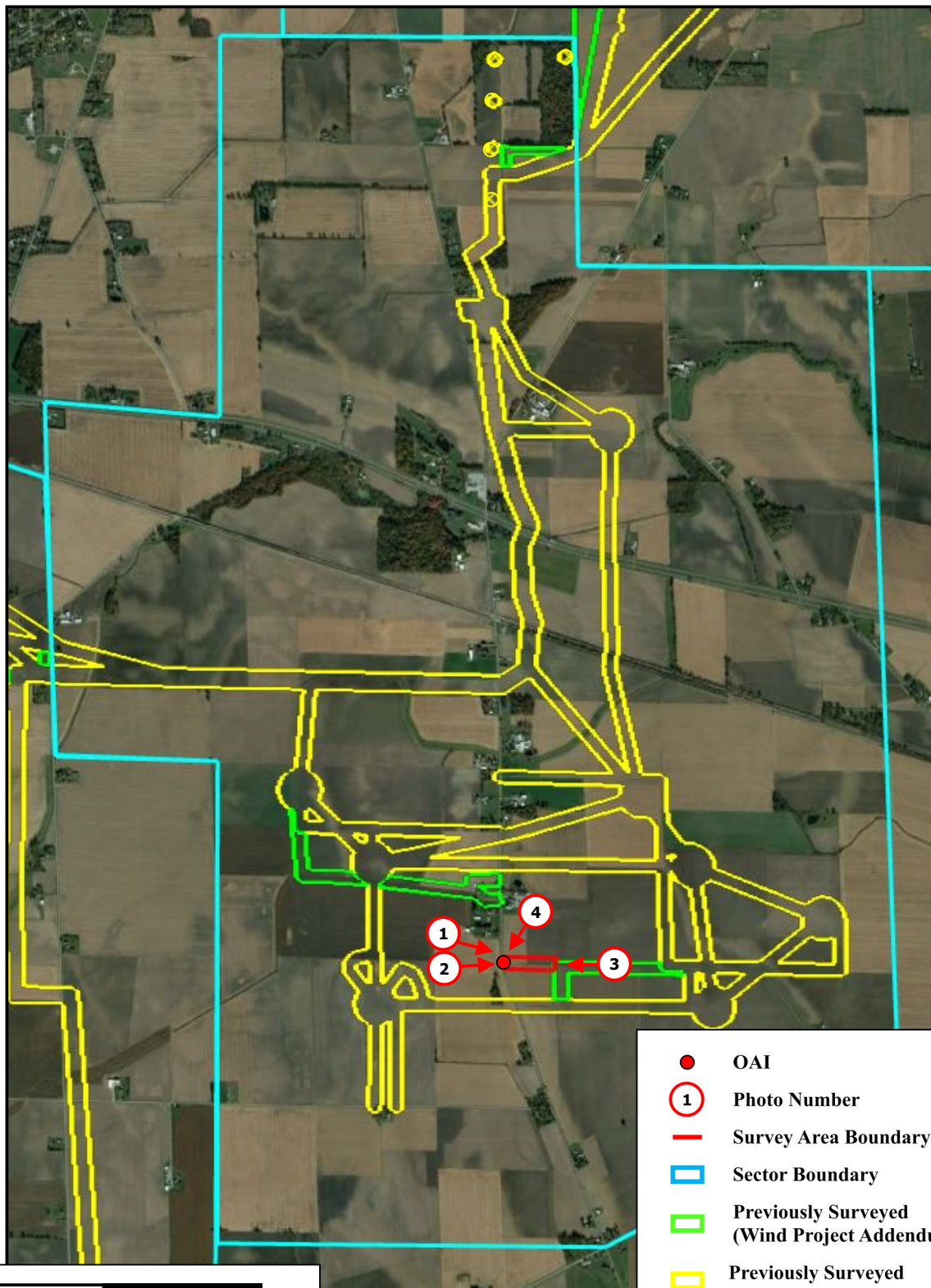
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## APPENDIX A PHOTOLOG





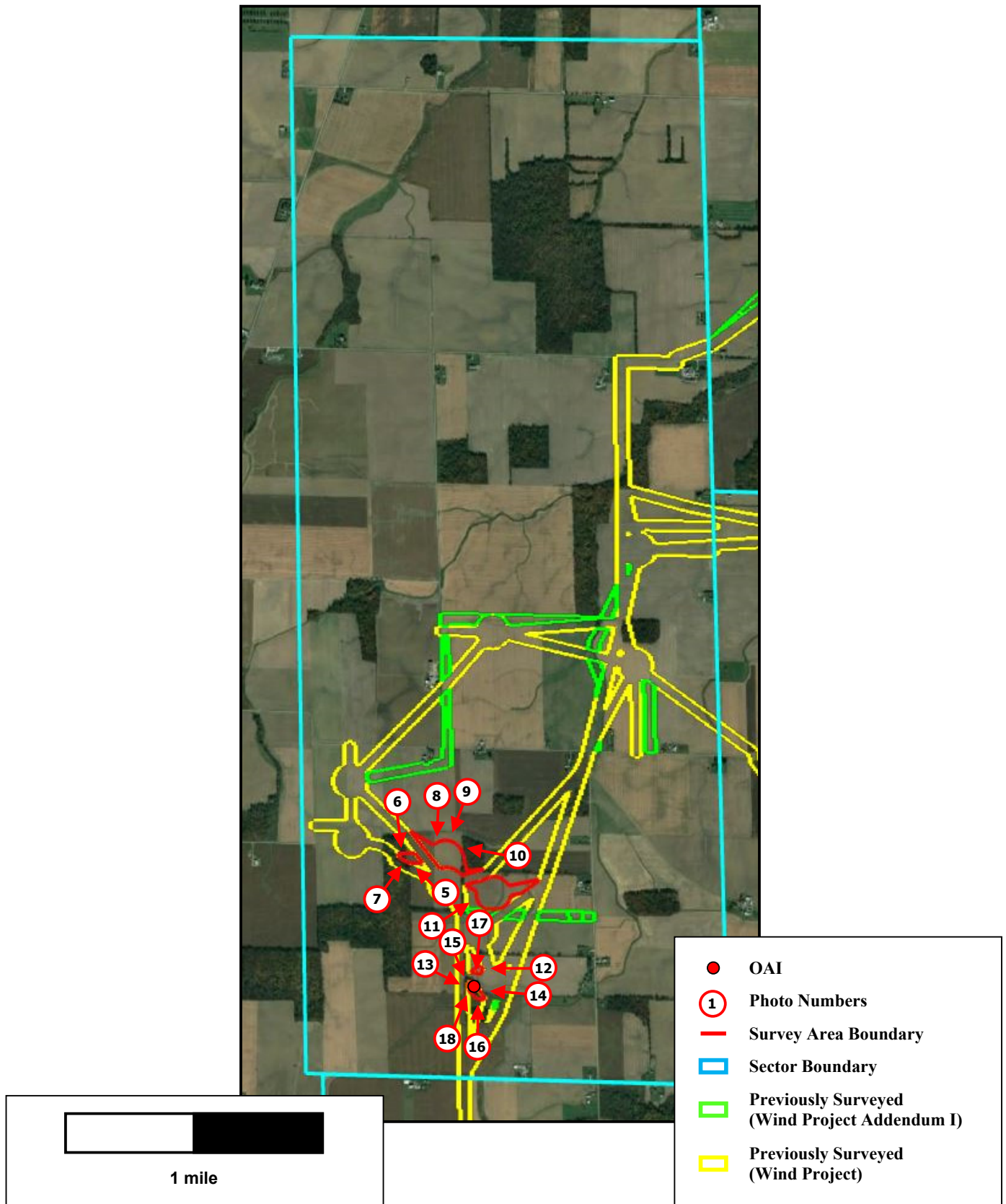
- OAI
- ① Photo Number
- Survey Area Boundary
- ▭ Sector Boundary
- ▭ Previously Surveyed (Wind Project Addendum I)
- ▭ Previously Surveyed (Wind Project)
- ▭ Previously Surveyed (Transmission Line)



1 mile

**Figure A1**  
**Sector 5**  
**Photo Key**









1 mile

- 1 Photo Number
- Survey Area Boundary
- Sector Boundary
- Previously Surveyed (Wind Project Addendum I)
- Previously Surveyed (Wind Project)

**Figure A3**  
**Sector 12**  
**Photo Key**







Photo 1: Survey Area 5U: Overview, facing east.



Photo 2: Survey Area 5U: Ground surface visibility, facing east.



Photo 3: Survey Area 5U: Overview of 33HU0844 (ELH047), facing west.



Photo 4: Survey Area 5U: 33HU0844 (ELH047), STP 1, facing east.





Photo 5: Survey Area 9X: Overview, facing west.



Photo 6: Survey Area 9X: Ground surface visibility, facing south.



Photo 7: Survey Area 9X: Overview of woods, facing west.



Photo 8: Survey Area 9Y: Overview, facing east.





Photo 9: Survey Area 9Y: Ground surface visibility, facing southeast.



Photo 10: Survey area 9Y: Overview of woods, facing northeast.



Photo 11: Survey Area 9Z: Overview, facing east.



Photo 12: Survey Area 9AA: Overview, facing west.





Photo 13: Survey Area 9BB: Overview, facing southeast.



Photo 14: Survey Area 9BB: Historic farm equipment, facing southeast.



Photo 15: Survey Area 9BB: Overview of 33HU0845 (ELH048), facing south.



Photo 16: Survey Area 9BB: 33HU0845 (ELH048), STP 1, facing north.





Photo 17: Survey Area 9BB: 33HU0845 (ELH048), STP 1, facing south.



Photo 18: Survey Area 9BB: 33HU0845 (ELH048), STP 1, profile of north wall, facing north.



Photo 19: Survey Area 12U: Overview, facing west.

## APPENDIX B ARTIFACT CATALOG





Table B1  
Prehistoric Artifact Catalog

| PROVENIENCE |          |             |              |              |                   | DESCRIPTION   |                                  |                     |                         |  | TOOLS AND DEBITAGE |              |          |         | FCR   |      | GENERAL    |       |                                    |              |  |
|-------------|----------|-------------|--------------|--------------|-------------------|---------------|----------------------------------|---------------------|-------------------------|--|--------------------|--------------|----------|---------|-------|------|------------|-------|------------------------------------|--------------|--|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit # | Material Type | Material Sub-Type                | Functional Category | Functional Sub-Category | Description  | Heat Treated       | Heat Damaged | Utilized | Retouch | Shape | Size | Weight (g) | Count | Temporal Period                    | Reference    | Notes  |
| 3193        | 3193.01  | 5U          | 33HU0844     | ELH047       | FS #1             | Lithic        | Pipe Creek                       | Tool                | Expedient Tool          | Bifacial Multi-tool (Spokeshave / Scraper / Burin) | No                 | No           | Yes      | Yes     |       |      | 3.41       | 1     |                                    |              | Appears to be a broken projectile point that was turned into a multitool. Unidentified point type due to its breakage and retouch.   |
| 3194        | 3194.01  | 5U          | 33HU0844     | ELH047       | FS #2             | Lithic        | Pipe Creek                       | Tool                | Expedient Tool          | Utilized Flake - Spokeshave                        | No                 | No           | Yes      | Yes     |       |      | 1.11       | 1     |                                    |              |  |
| 3195        | 3195.01  | 5U          | 33HU0844     | ELH047       | FS #3             | Lithic        | Pipe Creek                       | Debitage            | Complex Flake           |  | No                 | No           | No       | No      |       |      | 0.28       | 1     |                                    |              |  |
| 3196        | 3196.01  | 5U          | 33HU0844     | ELH047       | FS #4             | Lithic        | Pipe Creek                       | Tool                | Expedient Tool          | Utilized Flake - Spokeshave                        | Yes                | No           | Yes      | Yes     |       |      | 1.83       | 1     |                                    |              |  |
| 3197        | 3197.01  | 5U          | 33HU0844     | ELH047       | FS #5             | Lithic        | Pipe Creek                       | Debitage            | Shatter                 |  | Yes                | No           | No       | No      |       |      | < 0.1      | 1     |                                    |              |  |
| 3198        | 3198.01  | 5U          | 33HU0844     | ELH047       | FS #6             | Lithic        | Pipe Creek                       | Tool                | Expedient Tool          | Utilized Flake                                     | Yes                | No           | Yes      | Yes     |       |      | 0.46       | 1     |                                    |              |  |
| 3199        | 3199.01  | 5U          | 33HU0844     | ELH047       | FS #7             | Lithic        | Pipe Creek                       | Debitage            | Complex Flake           |  | Yes                | No           | No       | No      |       |      | < 0.1      | 1     |                                    |              |  |
| 3200        | 3200.01  | 5U          | 33HU0844     | ELH047       | FS #8             | Lithic        | Upper Mercer                     | Tool                | Expedient Tool          | Utilized Flake - Scraper                           | Yes                | No           | Yes      | Yes     |       |      | 1.18       | 1     |                                    |              | Flake tool; resharpened on lateral and distal edges.   |
| 3201        | 3201.01  | 5U          | 33HU0844     | ELH047       | FS #9             | Lithic        | Pipe Creek                       | Debitage            | Shatter                 |  | No                 | No           | No       | No      |       |      | 0.34       | 1     |                                    |              |  |
| 3201        | 3201.02  | 5U          | 33HU0844     | ELH047       | FS #9             | Lithic        | Pipe Creek                       | Tool                | Expedient Tool          | Utilized Flake - Spokeshave                        | No                 | No           | Yes      | Yes     |       |      | 4.73       | 1     |                                    |              |  |
| 3201        | 3201.03  | 5U          | 33HU0844     | ELH047       | FS #9             | Lithic        | Delaware                         | Tool                | Expedient Tool          | Utilized Flake - Scraper                           | No                 | No           | Yes      | Yes     |       |      | 0.92       | 1     |                                    |              |  |
| 3202        | 3202.01  | 5U          | 33HU0844     | ELH047       | FS #10            | Lithic        | Pipe Creek                       | Debitage            | Shatter                 |  | Yes                | No           | No       | No      |       |      | 0.33       | 1     |                                    |              |  |
| 3203        | 3203.01  | 5U          | 33HU0844     | ELH047       | FS #11            | Lithic        | Pipe Creek                       | Tool                | Formal Tool             | Projectile Point                                   | No                 | No           | Yes      | Yes     |       |      | 2.58       | 1     | Early Archaic (ca. 8900 - 8000 BP) | Justice 1987 | Retouch and serration on both blades. Lanceolate base morphology is consistent with a Kirk-type point. Likely a Kirk Serrated point that was heavily re-touched for continued use. |
| 3204        | 3204.01  | 5U          | 33HU0844     | ELH047       | FS #12            | Lithic        | Pipe Creek                       | Tool                | Core                    | Core fragment                                      | No                 | No           | No       | No      |       |      | 25.9       | 1     |                                    |              |  |
| 3205        | 3205.01  | 5U          | 33HU0844     | ELH047       | FS #13            | Lithic        | Flint Ridge - Moss Agate Variety | Tool                | Expedient Tool          | Utilized Flake                                     | No                 | No           | Yes      | Yes     |       |      | 0.39       | 1     |                                    |              |  |
|             |          |             |              |              |                   |               |                                  |                     |                         |  |                    |              |          |         |       |      | Total      | 15    |                                    |              |  |

Table B2  
Historic Artifact Catalog

| PROVENIENCE |          |             |              |              |                    | DESCRIPTION   |                     |   |                  |                             |       |            | MISCELLANEOUS          |   |   |
|-------------|----------|-------------|--------------|--------------|--------------------|---------------|---------------------|---|------------------|-----------------------------|-------|------------|------------------------|---|---|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit #  | Material Type | Material Sub-type   | Description                                     | Functional Group | Functional Sub-group        | Count | Weight (g) | Approximate Date Range | Reference   | Notes   |
| 3206        | 3206.01  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Ceramic       | Stoneware           | Utilitarian Crock sherds                        | Kitchen          | Food Storage                | 5     |            | ca. 1890-1920          | Cheek 2016  | Bristol Glaze exterior and Albany Slip interior. Large crock sherds with handles. One rim sherd has a 36-in diameter. MNV = 2.  |
| 3206        | 3206.02  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Ceramic       | Stoneware           | Utilitarian Crock sherds                        | Kitchen          | Food Storage                | 2     |            | 20th century           | Cheek 2016  | Bristol Glaze on exterior and interior. Large crock sherds with handles. One rim sherd has a 26-in diameter and the other has a 17-in diameter. MNV = 2.  |
| 3206        | 3206.03  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Ceramic       | Refined Earthenware | Whiteware Bowl / Cup sherd                      | Kitchen          | Food Service                | 1     |            | 1820-1869              | MAC Lab 2015; Miller et al. 2000                  | Brown transfer print. Rim sherd has a 9-in diameter.  |
| 3206        | 3206.04  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Ceramic       | Porcelain           | Tableware sherd                                 | Kitchen          | Food Service                | 2     |            |                        |   | Press-molded with classical motifs. MNV = 1.  |
| 3206        | 3206.05  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Other         | Composite           | Lightning-type Ceramic Bottle Stoppers          | Kitchen          | Food Service / Food Storage | 2     |            | c. 1880-1920s          | Lindsey 2021b                                     | Ceramic stoppers with a portion of the ferrous wire bail still attached.  |
| 3206        | 3206.06  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Aqua-tinted         | Hemingray Threaded Glass Insulator              | Miscellaneous    | Utility Infrastructure      | 3     |            | 1871-                  |   | Consolidated Design 124.3 USA. Crown embossed with patent date: "Patented December 19 1871." MNV = 1.   |
| 3206        | 3206.07  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Solarized           | Canning Jar fragments                           | Kitchen          | Food Storage                | 4     |            | 1905-1914              | Lockhart 2006; Miller and Sullivan 1984           | Cap & Spring closure type. Machine-made. MNV = 1.   |
| 3206        | 3206.08  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Solarized           | Bottle / Jar fragment                           | Indeterminate    | Storage                     | 1     |            | 1905-1914              | Lockhart 2006; Miller and Sullivan 1984           | Machine-made. Body fragment embossed with "...ALE".   |
| 3206        | 3206.09  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Light Green-tinted  | Star Bottling Works Soda Bottle fragment        | Kitchen          | Food Service / Food Storage | 1     |            | Early 20th Century     | Ohio Bottle Club 2007; Sandusky Star Journal 1919 | Body fragment embossed with a star logo. The bottle likely had a "Hutchinson spring stopper" closure according to the entries found in the Ohio Bottle Club 2007 catalog. Bottled in Sandusky, OH. Machine-made.  |
| 3206        | 3206.10  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Aqua-tinted         | W.T. Rawleigh's Pharmaceutical Bottle fragments | Personal         | Health & Hygiene            | 5     |            | 1929-1940              | Lockhart 2020                                     | Machine-made. Style 3 side panel. Style 4, variation B base, side, and finish. Style 4, variation D base. Variation D base was manufactured by Pierce Glass Co. MNV = 3.  |
| 3206        | 3206.11  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Aqua-tinted         | Bottle fragment                                 | Indeterminate    | Storage                     | 1     |            | ca. 1875-1920          | Lindsey 2021b                                     | Tooled blob finish.   |
| 3206        | 3206.12  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Aqua-tinted         | Bottle fragments                                | Indeterminate    | Storage                     | 6     |            | 1905-1930              | Lindsey 2021a; Miller and Sullivan 1984           | Machine-made. All fragments are from paneled bottles. One patent finish fragment.   |
| 3206        | 3206.13  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Aqua-tinted         | Canning Jar fragments                           | Kitchen          | Food Storage                | 6     |            | 1909-1940              | Lindsey 2021d; Lockhart et al. 2021               | Machine-made. MNV = 3. One base fragment is embossed, "961[9?]" or "[6?]196". Another base fragment is embossed with a "J". A third base fragment has an unknown maker's mark that looks like a "T" with an additional, longer crossbar below the top crossbar. A similar maker's mark has been documented on an amber bottle base, but this mark has not been dated or identified. |
| 3206        | 3206.14  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Ball Blue           | Canning Jar fragments                           | Kitchen          | Food Storage                | 18    |            | 1909-1940              | Lindsey 2021a                                     | Machine-made. MNV = 5.  |



Table B2  
Historic Artifact Catalog

| PROVENIENCE |          |             |              |              |                    | DESCRIPTION   |                   |  |                  |                             |       |            | MISCELLANEOUS          |   |  |
|-------------|----------|-------------|--------------|--------------|--------------------|---------------|-------------------|--|------------------|-----------------------------|-------|------------|------------------------|---|--|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit #  | Material Type | Material Sub-type | Description                              | Functional Group | Functional Sub-group        | Count | Weight (g) | Approximate Date Range | Reference                               | Notes  |
| 3206        | 3206.15  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Aqua-tinted       | Canning Jar fragment                     | Kitchen          | Food Storage                | 1     |            | ca. 1856-1890s         | Lindsey 2021b                           | Applied groove ring wax seal finish.   |
| 3206        | 3206.16  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Solarized         | Bottle fragment                          | Indeterminate    | Storage                     | 1     |            | ca. 1875-1914          | Lindsey 2021b; Lockhart 2006            | Tooled patent finish.  |
| 3206        | 3206.17  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Smoked            | Canning Jar fragments                    | Kitchen          | Food Storage                | 3     |            | 1905-                  | Miller and Sullivan 1984                | Yellowish-gray smoked glass. Machine-made. Embossed with "[PE]RFEC[T] MA[SON]". MNV = 1.   |
| 3206        | 3206.18  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Brown / Amber     | Pharmaceutical Bottle fragments          | Personal         | Health & Hygiene            | 2     |            | 1919-1929              | Lockhart et al. 2010                    | Machine-made with a reinforced extract finish. Manufactured by the Owens Bottle Co. Base is embossed with "8 (Square-O mark) (illegible number). Visible Owens scar. MNV = 1.                          |
| 3206        | 3206.19  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Brown / Amber     | Bottle fragment                          | Indeterminate    | Storage                     | 1     |            | 1932                   | Lockhart and Hoenig 2018                | Machine-made. Manufactured by Owens-Illinois Glass Co. Base is embossed with "14 (Diamond-OI mark) 2".   |
| 3206        | 3206.20  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Brown / Amber     | Pharmaceutical Bottle fragment           | Personal         | Health & Hygiene            | 1     |            | ca. 1875 - 1920        | Lindsey 2021b                           | Tooled prescription finish.  |
| 3206        | 3206.21  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Brown / Amber     | Pharmaceutical Bottle fragments          | Personal         | Health & Hygiene            | 3     |            | 1905-                  | Lindsey 2021b; Miller and Sullivan 1984 | Machine-made finishes and a rectangular base fragment. One reinforced extract finish and one patent finish. MNV = 2.   |
| 3206        | 3206.22  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Brown / Amber     | Beverage Bottle fragment                 | Kitchen          | Food Service / Food Storage | 1     |            | 1905-                  | Lindsey 2021b; Miller and Sullivan 1984 | Machine-made crown finish.   |
| 3206        | 3206.23  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Tumbler fragments                        | Kitchen          | Food Service                | 2     |            | 1905-                  | Miller and Sullivan 1984                | Machine-made. MNV = 2.   |
| 3206        | 3206.24  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Pharmaceutical Bottle fragments          | Personal         | Health & Hygiene            | 4     |            | 1915-1929              | Lockhart and Hoenig 2018                | Machine-made panelled bottle with a reinforced extract finish. Manufactured by the Illinois Glass Co. Base is embossed with "(Diamond-I mark) 12". MNV = 1.  |
| 3206        | 3206.25  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Pharmaceutical Bottle fragments          | Personal         | Health & Hygiene            | 3     |            | 1929 / 1939 / 1949     | Lockhart and Hoenig 2018                | Machine-made panelled bottle. Manufactured by the Owens-Illinois Glass Co. Base is embossed with "(illegible mark) 6 (Diamond-OI mark) 9." MNV = 1.  |
| 3206        | 3206.26  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Hires Household Extract Bottle fragments | Kitchen          | Food Storage                | 4     |            | 1937-1940              | NMAH n.d.                               | Machine-made square bottle with a patent finish. Manufactured by Charles E. Hires Co., Philadelphia, PA. Contained root beer extract."136" is embossed on the base. MNV = 1.                           |
| 3206        | 3206.27  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Aster Bottle fragments                   | Personal         | Health & Hygiene            | 3     |            | 1913-1936              | Ohio Secretary of State 2021            | Machine-made aster extract bottle with a reinforced extract finish. Manufactured by the Puritan Drug Manufacturing Co. Columbus, OH. MNV = 1.  |
| 3206        | 3206.28  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | French's Mustard Jar fragments           | Kitchen          | Food Storage                | 2     |            | 1915-                  |   | Machine-made jar with a continuous external thread finish. Embossed with "FRENCH'S". MNV = 1. Fits with object number 3207.19, which is the base of a French's mustard jar patented February 23, 1915. |

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| PROVENIENCE |          |             |              |              |                    | DESCRIPTION   |                   |  |                  |                             |       |            | MISCELLANEOUS          |  |   |
|-------------|----------|-------------|--------------|--------------|--------------------|---------------|-------------------|--|------------------|-----------------------------|-------|------------|------------------------|--|---|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit #  | Material Type | Material Sub-type | Description                                    | Functional Group | Functional Sub-group        | Count | Weight (g) | Approximate Date Range | Reference                                | Notes   |
| 3206        | 3206.29  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Bottle fragments                               | Indeterminate    | Storage                     | 3     |            | 1923 - ca. 1982        | Lockhart et al. 2016                     | Machine-made bottle with a capseat finish. Manufactured by the Hazel-Atlas Glass Co. The base is embossed with a dot above the HA-Monogram mark above "18". MNV = 1.  |
| 3206        | 3206.30  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Pharmaceutical Bottle fragments                | Personal         | Health & Hygiene            | 2     |            | 1918-1930s             | Lockhart et al. 2017                     | Machine-made bottle embossed with graduated measurements. Manufactured by the Knox Glass Bottle Co. The base is embossed with a cursive "Knoxall". MNV = 1.   |
| 3206        | 3206.31  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Pharmaceutical Bottle fragments                | Personal         | Health & Hygiene            | 2     |            | 1940                   | Lockhart and Hoenig 2018                 | Machine-made bottle embossed with graduated measurements. Manufactured by the Owens-Illinois Glass Co. The base is embossed with "OWENS" above "2 (Diamond-OI mark) (dot) 0 (dot)".   |
| 3206        | 3206.32  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Lucky Tiger Remedy Hair Tonic Bottle fragments | Personal         | Health & Hygiene            | 6     |            | 1910-1926              | Lockhart et al. 2019                     | Machine-made bottle fragments embossed with "TIGER / SCALP / [D]ANDRUFF", "LUCKY / REME[DY] / [KANSAS], and "FOR [E]CZEMA". One bottle is manufactured by the Tygart Valley Glass Co. This base fragment is embossed with "871 (TV-monogram) 4". MNV = 3. |
| 3206        | 3206.33  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Pharmaceutical Bottle fragment                 | Personal         | Health & Hygiene            | 1     |            | 1925                   | Lockhart et al. 2010                     | Machine-made panelled bottle fragment. Manufactured by the Owens Bottle Co. The base is embossed with "6 (Square-O mark) 5".  |
| 3206        | 3206.34  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Pharmaceutical Bottle fragments                | Personal         | Health & Hygiene            | 24    |            | 1905-                  | Lindsey 2021b; Miller and Sullivan 1984  | Machine-made panelled bottles with patent, sprinkler, and reinforced extract finishes. Some fragments are embossed with graduated measurements. MNV = 11.   |
| 3206        | 3206.35  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Bottle fragments                               | Indeterminate    | Storage                     | 4     |            | 1914-                  | Bender 2016                              | Machine-made bottle with a Kork-n-Seal finish. No maker's mark. The base is embossed with a singular "5" with a dot above it, and exhibits an Owens scar. Heel is embossed, "5369". Possibly a small condiment bottle. MNV = 1.                           |
| 3206        | 3206.36  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Bottle fragments                               | Indeterminate    | Storage                     | 2     |            | 1905-                  | Miller and Sullivan 1984                 | Machine-made bottle fragments with continuous external thread finishes. MNV = 2.  |
| 3206        | 3206.37  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Beverage Bottle fragments                      | Kitchen          | Food Service / Food Storage | 3     |            | 1905-                  | Lindsey 2021b; Miller and Sullivan 1984  | Machine-made crown finish fragment. Two body fragments that are possibly from a Coca-Cola bottle. MNV = 2.  |
| 3206        | 3206.38  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Solarized         | J.B. Higbee Glass Co. Pitcher fragments        | Domestic         | Decorative Tableware        | 7     |            | 1907-1918              | Bridgeville Area Historical Society 2016 | Press-molded pitcher with handle and spout. The inside of the base is embossed with the J.B. Higbee bee maker's mark with "H.I.G." on the bee's wings. MNV = 1.   |
| 3206        | 3206.39  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Solarized         | Pitcher fragments                              | Domestic         | Decorative Tableware        | 9     |            | 1905-1914              | Lockhart 2006; Miller and Sullivan 1984  | Press-molded pitcher with handle and spout. MNV = 1.  |
| 3206        | 3206.40  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless         | Packer's Tumbler fragment                      | Kitchen          | Food Service / Food Storage | 1     |            | 1905-                  | Miller and Sullivan 1984                 | Machine-made. Rim fragment.   |



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| PROVENIENCE |          |             |              |              |                    | DESCRIPTION   |                     |  |                  |                                 |       |            | MISCELLANEOUS          |                          |  |
|-------------|----------|-------------|--------------|--------------|--------------------|---------------|---------------------|--|------------------|---------------------------------|-------|------------|------------------------|--------------------------|--|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit #  | Material Type | Material Sub-type   | Description                                | Functional Group | Functional Sub-group            | Count | Weight (g) | Approximate Date Range | Reference                | Notes  |
| 3206        | 3206.41  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Milk Glass          | White Crown Canning Jar Lid Liner fragment | Kitchen          | Food Storage                    | 1     |            | c. 1910                | Ostrom n.d.              | Fragment embossed with "WHITE C[ROWN] CAP PAT-11-22-[10]. Manufactured by the White Crown Fruit Jar Company of Louisville, KY. Patented in 1910.   |
| 3206        | 3206.42  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Milk Glass          | Canning Jar Lid Liner fragments            | Kitchen          | Food Storage                    | 11    |            | 1869-                  | Miller et al. 2000       | Some fragments embossed with "GENUINE BOYD'S CAP FOR MASON JARS." One liner has an intact zinc lid. MNV = 9.   |
| 3206        | 3206.43  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Milk Glass          | Jar fragments                              | Indeterminate    | Storage                         | 2     |            | 1905-                  | Miller and Sullivan 1984 | Machine-made. MNV = 1.   |
| 3206        | 3206.44  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Metal         | Cuprous             | Coffee Pot fragment                        | Kitchen          | Food Preparation / Food Service | 1     |            |                        |                          | Most likely tin alloy. Missing spout. Flattened.   |
| 3206        | 3206.45  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Metal         | Aluminum            | Measuring Cup                              | Kitchen          | Food Preparation                | 1     |            |                        |                          | Engraved with graduated measurements. Engraved on base with "Werth's(?) Aluminum Ware" and "For household use only". Flattened.  |
| 3206        | 3206.46  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Metal         | Ferrous             | Pipe                                       | Architecture     | Utilities                       | 1     |            |                        |                          |  |
| 3206        | 3206.47  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Metal         | Ferrous             | Unidentified Hardware fragments            | Miscellaneous    | Miscellaneous Hardware          | 2     |            |                        |                          | Possible pipe fittings or brackets.  |
| 3206        | 3206.48  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Metal         | Ferrous             | Clamp                                      | Miscellaneous    | Miscellaneous Tools             | 1     |            |                        |                          | Unidentified clamping mechanism with one handle, three gears, a turn key, and two clamps. Could be mounted to a workstation. Possibly cast iron.   |
| 3206        | 3206.49  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Metal         | Ferrous             | Enameled Metal fragments                   | Indeterminate    | Indeterminate                   | 2     |            |                        |                          | Possibly enameled pot fragments. MNV = 2.  |
| 3206        | 3206.50  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Other         | Composite           | Dry-Cell Battery Carbon Electrodes         | Miscellaneous    | Power Generation                | 2     |            | 1876-                  | McComsey 2002            |  |
| 3206        | 3206.51  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Glass         | Colorless           | Bottle / Jar fragment                      | Indeterminate    | Storage                         | 1     |            | 1923 - ca. 1982        | Lockhart et al. 2016     | Machine-made bottle fragment. Manufactured by the Hazel-Atlas Glass Co. The base is embossed with the HA-Monogram mark above "P-K-805."  |
| 3206        | 3206.52  | 9BB         | 33HU0845     | ELH048       | Surface Collection | Other         | Composite           | Bottle fragments                           | Indeterminate    | Storage                         | 2     |            | 1920s-                 | Bender 2016              | Machine-made bottle fragments with continuous external thread finishes and intact aluminum caps. MNV = 2.  |
| 3207        | 3207.01  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1     | Ceramic       | Stoneware           | Utilitarian Crock sherds                   | Kitchen          | Food Storage                    | 18    |            | ca. 1890-1920          | Cheek 2016               | Bristol Glaze exterior and Albany Slip interior. Large crock sherds. Two vessels present; one vessel has a 26-in diameter and the other has a 36-in diameter. MNV = 2. These sherds are from the same vessels as object 3206.01. |
| 3207        | 3207.02  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1     | Ceramic       | Stoneware           | Utilitarian Crock sherd                    | Kitchen          | Food Storage                    | 1     |            | 20th century           | Cheek 2016               | Bristol Glaze on exterior and interior.  |
| 3207        | 3207.03  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1     | Ceramic       | Stoneware           | Utilitarian Crock sherd                    | Kitchen          | Food Storage                    | 1     |            | 1880s-1890s            | Cheek 2016               | Albany Slip on exterior and interior.  |
| 3207        | 3207.04  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1     | Ceramic       | Refined Earthenware | New Wharf Pottery Co. Whiteware Bowl sherd | Kitchen          | Food Service                    | 1     |            | c. 1878-1894           | Birks n.d.               | Bowl base has a 6-in diameter. Maker's mark is in brown print on the base in a rectangle: "N.W.P.Co ENGL[AND]". Printed beneath the mark is "Rd No 1630...". This is above a backwards "1".                                      |

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| PROVENIENCE |          |             |              |              |                   | DESCRIPTION   |                     |   |                  |                             |       |            | MISCELLANEOUS          |  |  |
|-------------|----------|-------------|--------------|--------------|-------------------|---------------|---------------------|---|------------------|-----------------------------|-------|------------|------------------------|--|--|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit # | Material Type | Material Sub-type   | Description                                   | Functional Group | Functional Sub-group        | Count | Weight (g) | Approximate Date Range | Reference  | Notes  |
| 3207        | 3207.05  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Ceramic       | Refined Earthenware | Whiteware Bowl / Cup sherds                   | Kitchen          | Food Service                | 3     |            | 1820-1869              | MAC Lab 2015; Miller et al. 2000                       | Brown transfer print. MNV = 2.   |
| 3207        | 3207.06  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Ceramic       | Refined Earthenware | Whiteware Tableware sherds                    | Kitchen          | Food Service                | 7     |            | 1820-                  | Miller et al. 2000                                     | Undecorated. MNV = 1.  |
| 3207        | 3207.07  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Ceramic       | Porcelain           | Tableware sherds                              | Kitchen          | Food Service                | 2     |            | 1890-                  | Miller et al. 2000                                     | Floral decal. MNV =1.  |
| 3207        | 3207.08  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Brown / Amber       | Beverage Bottle fragments                     | Kitchen          | Food Service / Food Storage | 11    |            | 1930 / 1940            | Lockhart and Hoenig 2018                               | Machine-made bottle with a crown finish and graduated 1/2 cup measurements. Manufactured by the Owens-Illinois Glass Co. Base is embossed with "14 (Diamond-OI mark) 0" above "=A". MNV = 1.   |
| 3207        | 3207.09  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Brown / Amber       | Bottle fragments                              | Indeterminate    | Storage                     | 13    |            | 1905-                  | Miller and Sullivan 1984                               | Machine-made. MNV = 1.   |
| 3207        | 3207.10  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted         | Canning Jar fragment                          | Kitchen          | Food Storage                | 1     |            | 1872-1882              | Lockhart et al. 2014                                   | Body fragment. Manufactured by the Consolidated Fruit Jar Co. Embossed with the CFJCo monogram.  |
| 3207        | 3207.11  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Ball Blue           | Canning Jar fragments                         | Kitchen          | Food Storage                | 20    |            | 1896-1910              | Lockhart et al. 2013                                   | The body fragment is embossed with a slanted, cursive "Ball" with a downstroked 'a', a curl after the last 'l', and an underline. "MASON" is embossed under the logo. Visible bubbles in the glass. MNV = 1.                         |
| 3207        | 3207.12  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted         | Canning Jar fragments                         | Kitchen          | Food Storage                | 27    |            | Pre-1940               | Lindsey 2021c  | MNV = 2.   |
| 3207        | 3207.13  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted         | Pharmaceutical Bottle fragments               | Personal         | Health & Hygiene            | 5     |            | 1905-1930              | Lindsey 2021b; Miller and Sullivan 1984                | Machine-made rectangular and paneled bottle fragments. MNV = 3.  |
| 3207        | 3207.14  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted         | Bottle fragment                               | Indeterminate    | Storage                     | 1     |            | 1905-1930              | Lindsey 2021b; Miller and Sullivan 1984                | Machine-made double ring finish.   |
| 3207        | 3207.15  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted         | Window fragments                              | Architecture     | Fixtures                    | 15    |            |                        |  | 1.3mm, 1.5mm (3), 1.6mm, 1.7mm (6), 1.8mm (2), 1.9mm (2) thick.  |
| 3207        | 3207.16  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Solarized           | Canning Jar fragments                         | Kitchen          | Food Storage                | 2     |            | 1905-1914              | Lindsey 2021b; Lockhart 2006; Miller and Sullivan 1984 | Cap & Spring closure type. Machine-made. MNV = 1. Same jar as object 3206.07.  |
| 3207        | 3207.17  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Solarized           | Bottle / Jar fragments                        | Indeterminate    | Storage                     | 2     |            | 1870-1914              | Lockhart 2006  | One fragment is embossed with "REGISTERED FULL 1/2 PI[NT]". No visible mold seams. MNV = 1.  |
| 3207        | 3207.18  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Solarized           | Decorative Tumbler fragment                   | Kitchen          | Food Service                | 1     |            | 1870-1914              | Lockhart 2006  | Press-molded.  |
| 3207        | 3207.19  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless           | French's Mustard Jar fragments                | Kitchen          | Food Storage                | 6     |            | 1915-                  |  | Machine-made base fragment and panelled body fragments. Base is embossed with "PAT D FEB.23-15" and a "4" in the center. MNV = 1. Fits with object number 3206.28 which are the body and finish fragments of a French's mustard jar. |
| 3207        | 3207.20  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless           | Lucky Tiger Remedy Hair Tonic Bottle fragment | Personal         | Health & Hygiene            | 1     |            | 1910-1926              | Lockhart et al. 2019                                   | Body fragment embossed with "[LU]CKY". From the same bottle as object 3206.32.   |



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| PROVENIENCE |          |             |              |              |                   | DESCRIPTION   |                   |  |                  |                             |       |            | MISCELLANEOUS          |  |  |
|-------------|----------|-------------|--------------|--------------|-------------------|---------------|-------------------|--|------------------|-----------------------------|-------|------------|------------------------|--|--|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit # | Material Type | Material Sub-type | Description                                | Functional Group | Functional Sub-group        | Count | Weight (g) | Approximate Date Range | Reference                                      | Notes  |
| 3207        | 3207.21  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Pharmaceutical Bottle fragment             | Personal         | Health & Hygiene            | 1     |            | 1920                   | Lockhart et al. 2010                           | Machine-made rectangular and paneled bottle fragment. Manufactured by the Owens Bottle Co. The base is embossed with "(Square-O mark) 60". Visible Owens scar.                                 |
| 3207        | 3207.22  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Pharmaceutical Bottle fragments            | Personal         | Health & Hygiene            | 4     |            | 1932-1968              | Lockhart et al. 2017                           | Machine-made rectangular bottle with a continuous threaded finish and embossed with graduated measurements. Manufactured by Knox Glass Bottle Co. Base is embossed with "(K-in-a-Keystone) 2". |
| 3207        | 3207.23  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | McCormick's Iron Glue Bottle               | Domestic         | Domestic Labor Supplies     | 1     |            | 1905 - c. 1920         | Drew University n.d.; Miller and Sullivan 1984 | Machine-made oval bottle. Base is embossed with "IRON GLUE McC & Co".  |
| 3207        | 3207.24  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Maple Syrup Jug                            | Kitchen          | Food Service / Food Storage | 1     |            | 1905-                  | Miller and Sullivan 1984                       | Machine-made. Base is embossed with "7-K-808".   |
| 3207        | 3207.25  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Pharmaceutical Bottle fragments            | Personal         | Health & Hygiene            | 81    |            | 1905-                  | Miller and Sullivan 1984                       | Machine-made paneled bottle fragments with reinforced extract and external thread finishes. Some fragments are embossed with graduated measurements. One finish has an aluminum cap. MNV = 11. |
| 3207        | 3207.26  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Packer's Tumbler fragments                 | Kitchen          | Food Service / Food Storage | 2     |            | 1905-                  | Miller and Sullivan 1984                       | Machine-made. Vertical columns press-molded into interior of vessel. MNV = 1.  |
| 3207        | 3207.27  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Bottle fragments                           | Indeterminate    | Storage                     | 12    |            |                        |  | Machine-made. MNV = 4.   |
| 3207        | 3207.28  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Smoked            | Canning Jar fragments                      | Kitchen          | Food Storage                | 11    |            | 1905-                  | Miller and Sullivan 1984                       | Yellowish-gray smoked glass. Machine-made. MNV = 1. Same object as 3206.17.  |
| 3207        | 3207.29  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Colorless         | Jar fragment                               | Indeterminate    | Storage                     | 1     |            |                        |  | Unmarked. Too fragmented to identify finish.   |
| 3207        | 3207.30  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Solarized         | Pitcher fragments                          | Domestic         | Decorative Tableware        | 2     |            | 1905-1914              | Lockhart 2006; Miller and Sullivan 1984        | Press-molded pitcher fragments. MNV = 1. Same object as 3206.39.   |
| 3207        | 3207.31  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Milk Glass        | White Crown Canning Jar Lid Liner fragment | Kitchen          | Food Storage                | 1     |            | c. 1910                | Ostrom n.d.                                    | Fragment embossed with "[WHITE C]ROWN 10." Manufactured by the White Crown Fruit Jar Company of Louisville, KY. Patented in 1910. Same object as 3206.41.                                      |
| 3207        | 3207.32  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Milk Glass        | Canning Jar Lid Liner fragments            | Kitchen          | Food Storage                | 6     |            | 1869-                  | Miller et al. 2000                             | Some fragments embossed with "GENUINE BOYD'S CAP FOR MASON JARS." MNV = 4.   |
| 3207        | 3207.33  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Other         | Composite         | Dry-Cell Battery Carbon Electrodes         | Miscellaneous    | Power Generation            | 2     |            | 1876-                  | McComsey 2002                                  |  |
| 3207        | 3207.34  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted       | Kuebler-Stang Beer Bottle fragments        | Kitchen          | Food Service / Food Storage | 3     |            | 1895-1898              | Augen 2005                                     | Base and body fragments. Base is embossed with "THE KUEBLER-STANG SANDUSKY, O". Manufactured by the Streator Bottle & Glass Co. Heel is embossed with "SB&G Co." MNV = 1.                      |
| 3207        | 3207.35  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Glass         | Aqua-tinted       | Bottle fragments                           | Indeterminate    | Storage                     | 20    |            | Pre-1930               | Lindsey 2021a                                  | Possibly fragments of the Kuebler-Stang bottle and fragments of a similar bottle. MNV = 2.   |

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| PROVENIENCE |          |             |              |              |                   | DESCRIPTION   |                   |                                 |                  |                        |            |            | MISCELLANEOUS          |                      |  |
|-------------|----------|-------------|--------------|--------------|-------------------|---------------|-------------------|---------------------------------|------------------|------------------------|------------|------------|------------------------|----------------------|--|
| Bag #       | Object # | Survey Area | State Site # | Field Site # | FS / STP / Unit # | Material Type | Material Sub-type | Description                     | Functional Group | Functional Sub-group   | Count      | Weight (g) | Approximate Date Range | Reference            | Notes  |
| 3207        | 3207.36  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Other         | Composite         | Boot fragments                  | Personal         | Clothing               | 73         |            | 1890-                  | Bigelow 1970         | Leather work boot fragments with rubber soles in the Oxford style. Evidence of one men's boot and two women's boots. The Oxford style reached peak popularity in the 1920s. MNV = 3. |
| 3207        | 3207.37  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Cuprous           | Canning Jar Lid fragments       | Kitchen          | Food Storage           | 4          |            | 1869 - c. 1945         | Lindsey 2021b        | Zinc alloy. MNV = 2.   |
| 3207        | 3207.38  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Crown Bottle Cap                | Kitchen          | Food Storage           | 1          |            | 1892-                  | Miller et al. 2000   |  |
| 3207        | 3207.39  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Enameled Metal fragment         | Indeterminate    | Indeterminate Metal    | 1          |            |                        |                      | Possibly enameled pot fragment. Same design as 3206.49.  |
| 3207        | 3207.40  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Hinge and Bolts                 | Architecture     | Fixtures               | 1          |            |                        |                      | A hinge fragment with two bolts intact.  |
| 3207        | 3207.41  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Horse Saddle Hardware           | Agriculture      | Livestock              | 3          |            |                        |                      | Two stirrups and one hinge with a chain link attached.   |
| 3207        | 3207.42  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Cuprous           | Unidentified Pin                | Miscellaneous    | Miscellaneous Hardware | 1          |            |                        |                      | Possible stabilizing pin for unknown object.   |
| 3207        | 3207.43  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Unidentified Hardware fragments | Miscellaneous    | Miscellaneous Hardware | 9          |            |                        |                      | Possible pipe fitting, gear with handle, folded metal sheets, and other unidentified hardware fragments. MNV = 5.  |
| 3207        | 3207.44  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Can fragments                   | Indeterminate    | Storage                | 79         |            |                        |                      |  |
| 3207        | 3207.45  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Square Nail fragments           | Architecture     | Architectural Hardware | 8          |            | 1805-1890              | Wells 1998           |  |
| 3207        | 3207.46  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Wire Nail fragments             | Architecture     | Architectural Hardware | 5          |            | 1885-                  | Wells 1998           |  |
| 3207        | 3207.47  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Metal         | Ferrous           | Unidentified Nail fragments     | Architecture     | Architectural Hardware | 22         |            |                        |                      | Too corroded to distinguish type.  |
| 3207        | 3207.48  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 1    | Other         | Mineral           | Unspent Coal fragments          | Miscellaneous    | Fuel                   | 39         | 272.1      |                        |                      |  |
| 3208        | 3208.01  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 2    | Ceramic       | Porcelain         | Bowl sherd                      | Kitchen          | Food Service           | 1          |            |                        |                      | Undecorated.   |
| 3208        | 3208.02  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 2    | Glass         | Ball Blue         | Canning Jar fragment            | Kitchen          | Food Storage           | 1          |            | 1909-1940              | Lindsey 2021a, 2021c |  |
| 3208        | 3208.03  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 2    | Glass         | Colorless         | Pharmaceutical Bottle fragment  | Personal         | Health & Hygiene       | 1          |            |                        |                      | Paneled bottle fragment embossed with "TK". No visible mold seams.   |
| 3208        | 3208.04  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 2    | Glass         | Milk Glass        | Canning Jar Lid Liner fragment  | Kitchen          | Food Storage           | 1          |            | 1869-                  | Miller et al. 2000   |  |
| 3208        | 3208.05  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 2    | Other         | Textile           | Boot fragments                  | Personal         | Clothing               | 2          |            | 1890-                  | Bigelow 1970         | Leather fragments from the boots in 3207.36.   |
| 3208        | 3208.06  | 9BB         | 33HU0845     | ELH048       | STP 1, Level 2    | Metal         | Ferrous           | Unidentified Metal fragment     | Indeterminate    | Indeterminate          | 1          |            |                        |                      | Object is too small and corroded to determine function.  |
|             |          |             |              |              |                   |               |                   |                                 |                  | <b>Total</b>           | <b>718</b> |            |                        |                      |  |



**APPENDIX C**  
**OHIO ARCHAEOLOGICAL INVENTORY FORMS**





## OHIO ARCHAEOLOGICAL INVENTORY (Draft Form )

### A. Identification

1. Type of Form: **New Form** 4. Site Name: **ELH047**  
2. County: **Huron** 5. Project Number:

### B. Location

1. UTM Zone: **17** Easting: **352238** Northing: **4566657**  
3. Township: **2N** Range: **24W** Section: **1** 1/4 Section: **NE** Not Applicable  
Township Name: **Lyme**  
4. Quadrangle Name: **Flat Rock** 5. Quadrangle Date: **1977** 6. Confident of Site Location: **Yes**

### C. Ownership

1. Name: **HERNER N VIOLET AKS VIOLET** 2. Tenant (if any):  
Address: **3609 SAND HILL RD** Address:  
City, State, Zip: **BELLEVUE OH 44811** City, State, Zip:  
Phone: Phone:  
3. Ownership Status: **Private (single)**

### D. Temporal Affiliations

1. Affiliations Present: **Prehistoric**

#### Prehistoric

2. Prehistoric Temporal Period(s) represented:

|                        |                  |          |               |        |        |
|------------------------|------------------|----------|---------------|--------|--------|
| Unassigned Prehistoric | Paleoindian      |          |               |        |        |
| <i>Archaic:</i>        | Unassigned       | <b>X</b> | Early         | Middle | Late   |
| <i>Woodland:</i>       | Unassigned       |          | Early         | Middle | Late   |
|                        | Late Prehistoric |          | Protohistoric |        | Other: |

3. Minimum Number of Prehistoric Temporal Periods Represented: **1**

4. Basis for Assignment of Prehistoric Temporal Period(s):

|          |                      |                     |             |
|----------|----------------------|---------------------|-------------|
| <b>X</b> | Diagnostic Artifacts | Diagnostic Features | Radiometric |
|          | Unrecorded           | Other:              |             |

5 & 6. List Prehistoric Cultural Components Identified and describe how determined (list diagnostic artifacts and/or features and include type names).

- **1 Diagnostic material(s) recorded. See Continuation sheet for details.**

7 & 8. Specific Prehistoric Cultural Materials Observed or Collected (list diagnostic artifacts and/or features and include type names).

- **15 Prehistoric cultural material(s) recorded. See Continuation sheet for details.**



**Historic**

9. Affiliation Present:

10. Historic Temporal Period(s) Represented:

|              |                     |              |
|--------------|---------------------|--------------|
| Pre-1795     | 1796-1829           | 1830-1849    |
| 1850-1879    | 1880-1899           | 1900-1929    |
| 1930-1949    | 1950-1974           | 1975-2000    |
| Historic     | 18th Century        | 19th Century |
| 20th Century | Historic Aboriginal | 21st Century |

11. Minimum Number of Historic Temporal Periods Represented:

12. Basis for Assignment of Historic Temporal Period(s):

|                      |                                  |                     |
|----------------------|----------------------------------|---------------------|
| Diagnostic Artifacts | Diagnostic Architectural Remains | Diagnostic Features |
| Documentary Evidence | Oral Tradition                   | Other:              |

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features and include type names). When listing artifacts and/or features correlate to letters used for Temporal Periods in D.10

14 & 15. Functional Categories of Historic Materials Present at Site and Specific Cultural Materials Collected:

- **0 historic material(s) recorded. See Continuation sheet for details.**

**General**

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

17. Affiliated Ohio Historic Inventory Site Number and Name:

**E. Physical Description**1. Archaeological Setting: **Open**

2. Prehistoric Site Type:

|             |                       |          |             |                        |
|-------------|-----------------------|----------|-------------|------------------------|
| Habitation: | Camp                  | Village  | Hamlet      | Unspecified Habitation |
| Extractive: | Quarry                | Workshop |             |                        |
| Ceremonial: | Unknown Mound         |          | Earth Mound | Stone Mound            |
|             | Effigy Mound          |          | Mound Group | Hilltop Enclosure      |
|             | Geometrical Earthwork |          | Cemetery    | Isolated Burial(s)     |
|             | Petroglyph/Pictograph | <b>X</b> | Unknown     | Other:                 |

3. Historic Site Type:

|                |             |             |            |
|----------------|-------------|-------------|------------|
| Residential    | Commercial  | Social      | Government |
| Religious      | Educational | Mortuary    | Recreation |
| Subsistence    | Industrial  | Health Care | Military   |
| Transportation | Unknown     | Other:      |            |

4. State the basls on which site type assignment(s) were made.

5. Site Condition: **Disturbed-Extent Unknown**

6. Dominant Agent(s) of Disturbance:

|                |          |             |           |                           |
|----------------|----------|-------------|-----------|---------------------------|
| None Apparent  | <b>X</b> | Agriculture | Water     | Historic Construction     |
| Transportation |          | Mining      | Vandalism | Archaeological Excavation |
| Unrecorded     |          | Other:      |           |                           |

7. Nature of Disturbance/Destruction

8. Current Dominant Land Use:

**Agriculture**

9. Land Use History:

***The site is located in an agricultural field that has been under cultivation since at least the mid-19th century.***10. Site Elevation: **232** Meters A.M.S.L.11. Physiographic Setting of Site: **Lake Plain**12. Glacial Geomorphology: **Wisconsin Ground Moraine**13. Regional Geomorphological Setting: **Unrecorded**14. Local Environmental Setting: **Unrecorded**

15. Soils

Soil Association:

Soil Series-Phase/Complex: **SpB, OsB**16. Down Slope Direction: **Unrecorded**

17. Slope Gradient (percent): % Unrecorded:

18. Drainage System:

Major Drainage: **Lake Erie**Minor Drainage: **HURON RIVER**19. Closest Water Source Name **Unnamed Trib to huron River**Water Source Type: **Ephemeral Stream**20. Horizontal Distance to Closest Water Source: **413** (m from UTM point)

21. Elevation Above Closest Water Source: (m A.M.S.L. from UTM point)



**F. Reporting Information**

## 1. Investigation Type:

|                    |                             |                                   |
|--------------------|-----------------------------|-----------------------------------|
| Reported           | Examination of Collection   | <b>X</b> Surface Collection       |
| Auger/Soil Corer   | <b>X</b> Shovel Test(s)     | Test Pit(s)                       |
| Deep Test(s)       | PZ or Humus Removal         | Test Trench(es)                   |
| Aerial Photograph  | Mitigation/Block Excavation | Testing/Excav. (strategy unknown) |
| Chemical Analysis: |                             | Other:                            |
| Remote Sensing:    |                             |                                   |

## 2. Surface Collection Strategy:

|                    |                           |                   |            |
|--------------------|---------------------------|-------------------|------------|
| Not Applicable     | Grab Sample               | Diagnostics       | Unrecorded |
| Controlled-Unknown | <b>X</b> Controlled-Total | Controlled-Sample | Other      |

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

**Surface collection was conducted at 10m intervals. When artifacts were identified, the general vicinity was intensively inspected to establish the site boundary. Then all artifacts visible on the ground surface within the site boundary were collected.**

4. Surface Visibility: **51-90%**

5. Describe surface conditions.

6. Site Area (square meters): sq. m **1601**7. Basis for Site Area Estimate: **Other** Other: **GIS**8. Confident of site boundaries? **NO**

9. Estimated Percentage of Site Excavated: %

10. Name of Form Preparer: **Adam Darkow**12. Date of Form: **09/28/2021**11. Institution: **Mannik & Smith Group**13. Field Date: **08/17/2021**

14. Time Spent at Site:

15. Weather Conditions:

16. Name(s), Address(es), Phone Number(s) of Local Informants

17. Artifact Repository(ies): **Land Owner**

18. Name(s), Address(es), Phone Number(s), of Owners of Collections from Site (attach inventories of private collections).

21. National Register Status:

24. Special Status (select only one, as appropriate): **None****G. References** - List Primary Documentary References

| Primary Author | Secondary Author   | Year | Title   |
|----------------|--|------|---|
| Hickle, E      | R. Chidester, M. Bell, A. Zissis, A. Darkow, K. Hayfield | 2021 | Second Addendum Report: Additional Phase I Archaeological Survey for the Emerson Creek Wind Project in Lyme and Norwich Townships, Huron County, Ohio |
|                |  |      |   |

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23. *Discuss the potential significance of the site .*

**I. Description of Site**

*1. State physical description of the site and its setting, including dimensions, features (with Measurements), nature and location of artifacts and concentrations, extent, and location of disturbances, etc.*

33HU0844 (Field Site ELH047) is small prehistoric lithic scatter located 5 m (16 ft) east of Sandhill Road and 665 m (2,182 ft) north of Opperman Road. This site consists of 15 artifacts, including eight expedient tools, five pieces of lithic debitage, one core fragment and one formal tool (a heavily re-worked projectile point). The expedient tools include scrapers, a spokeshave and a multi-tool. A majority of the artifacts are made of Pipe Creek chert, but Delaware, Flint Ridge - Moss Agate Variety and Upper Mercer cherts are also present. The projectile point, which is made of Pipe Creek chert, appears to have originally been a Kirk-type point (possibly a Kirk Serrated point) dating to the Early Archaic period that was re-worked multiple times. 33HU0844 appears to represent a short-term Early Archaic occupation, possibly for the purposes of hunting and/or stone tool maintenance.

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.*

There are no known relationships between sites.



**D. 5 & 6 Diagnostic Artifact List**

| <u>Diagnostic Artifact</u>        | <u>Cultural Component</u> | <u>Description</u>                                    | <u>Count</u> |
|-----------------------------------|---------------------------|---|--------------|
| Pipe Creek chert Projectile Point | Kirk Tradition            | Late Paleoindian - Early Archaic (10,500 - 10,000 BP) | 1            |

**D. 7 & 8 Preshistoric Artifact List**

| <u>Material</u>  | <u>Category</u> | <u>Other</u> | <u>Count</u> |
|--|-----------------|--------------|--------------|
| Delaware chert Unifacial Scraper fragment                    | Lithics         |              | 1            |
| Flint Ridge - Moss Agate Variety chert Unifacial Scraper     | Lithics         |              | 1            |
| Pipe Creek chert Bifacial Multi-tool (Spokeshave / Scraper / | Lithics         |              | 1            |
| Pipe Creek chert Bifacial Scraper fragment                   | Lithics         |              | 1            |
| Pipe Creek chert Complex Flake                               | Lithics         |              | 2            |
| Pipe Creek chert Core fragment                               | Lithics         |              | 1            |
| Pipe Creek chert Kirk Tradition Projectile Point             | Lithics         |              | 1            |
| Pipe Creek chert Shatter                                     | Lithics         |              | 3            |
| Pipe Creek chert Unifacial Multi-tool (Scraper / Spokeshave) | Lithics         |              | 1            |
| Pipe Creek chert Unifacial Spokeshave fragments              | Lithics         |              | 2            |
| Upper Mercer chert Unifacial Scraper                         | Lithics         |              | 1            |

**D. 14 & 15 Historic Artifact List**

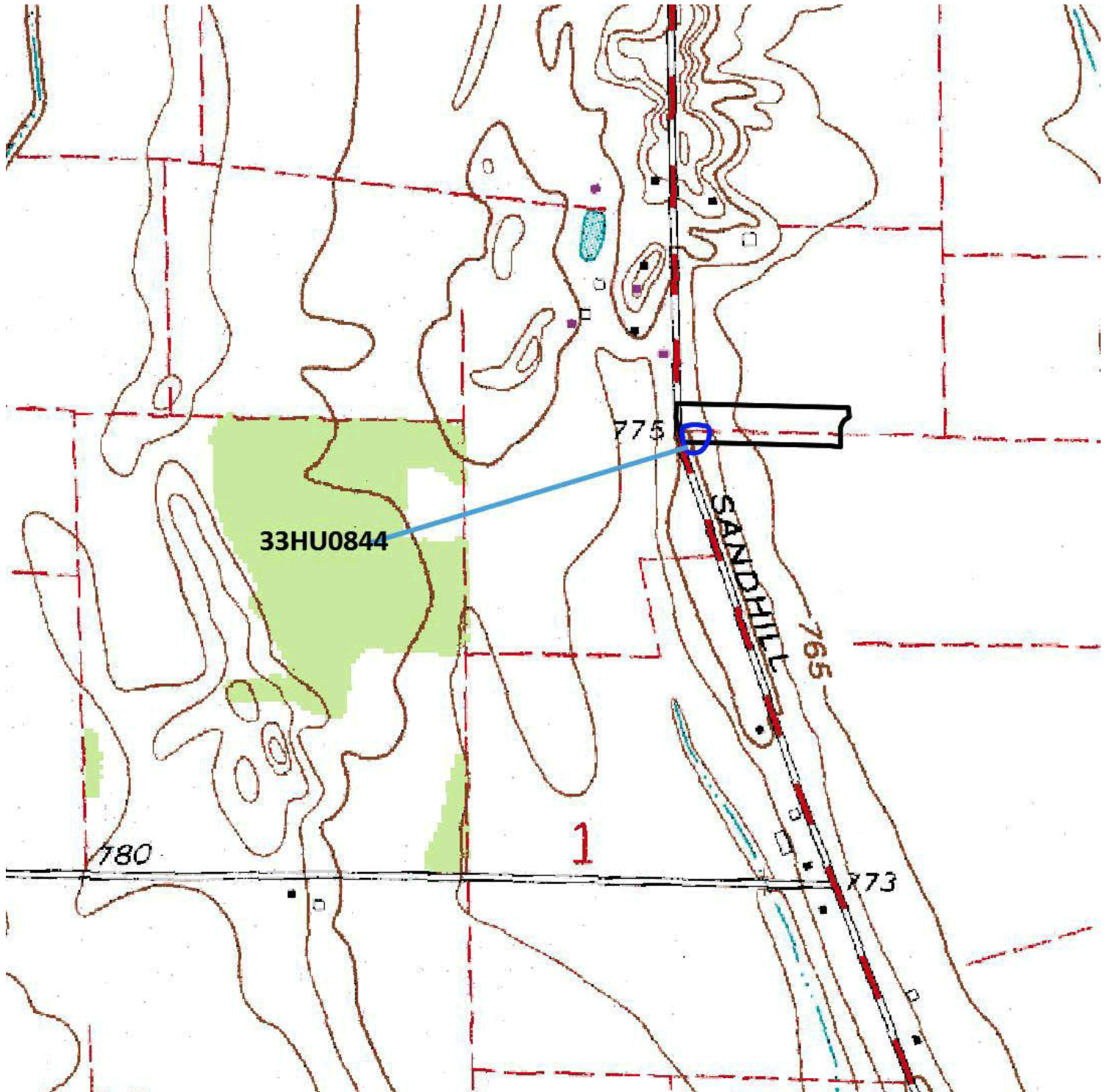
| <u>Material</u> | <u>Category</u> | <u>Other</u> | <u>Count</u> |
|-----------------|-----------------|--------------|--------------|
| No Records      | ..              | ..           | ..           |

**H. Radiometric Date List**

| <u>Material Dated</u> | <u>Date (uncorrected C14 years)</u> | <u>Laboratory</u> | <u>Sample #</u> |
|-----------------------|-------------------------------------|-------------------|-----------------|
| No Records            | ..                                  | ..                | ..              |

**K. Sketch Map or Copy of Project Map of Site.**

Include north arrow and scale of the appropriate U.S.G.S. quadrangle. Outline total area surveyed and include locations of all identified sites.







## OHIO ARCHAEOLOGICAL INVENTORY (Draft Form )

### A. Identification

1. Type of Form: **New Form** 4. Site Name: **ELH048**  
2. County: **Huron** 5. Project Number:

### B. Location

1. UTM Zone: **17** Easting: **346909** Northing: **4554651**  
3. Township: **4N** Range: **24W** Section: **3** 1/4 Section: **NW** Not Applicable  
Township Name: **Norwich**  
4. Quadrangle Name: **Flat Rock** 5. Quadrangle Date: **1977** 6. Confident of Site Location: **Yes**

### C. Ownership

1. Name: **BALL KIM & KIMBERLY OR SURV** 2. Tenant (if any):  
Address: **391 JENNIFER RD** Address:  
City, State, Zip: **ATTICA OH 44807** City, State, Zip:  
Phone: Phone:  
3. Ownership Status: **Private (single)**

### D. Temporal Affiliations

1. Affiliations Present: **Historic**

#### Prehistoric

2. Prehistoric Temporal Period(s) represented:

| Unassigned Prehistoric | Paleoindian      |               |        |        |
|------------------------|------------------|---------------|--------|--------|
| <i>Archaic:</i>        | Unassigned       | Early         | Middle | Late   |
| <i>Woodland:</i>       | Unassigned       | Early         | Middle | Late   |
|                        | Late Prehistoric | Protohistoric |        | Other: |

3. Minimum Number of Prehistoric Temporal Periods Represented:

4. Basis for Assignment of Prehistoric Temporal Period(s):

|                      |                     |             |
|----------------------|---------------------|-------------|
| Diagnostic Artifacts | Diagnostic Features | Radiometric |
| Unrecorded           | Other:              |             |

5 & 6. List Prehistoric Cultural Components Identified and describe how determined (list diagnostic artifacts and/or features and include type names).

- **0 Diagnostic material(s) recorded. See Continuation sheet for details.**

7 & 8. Specific Prehistoric Cultural Materials Observed or Collected (list diagnostic artifacts and/or features and include type names).

- **0 Prehistoric cultural material(s) recorded. See Continuation sheet for details.**

**Historic**9. Affiliation Present: **Non-Aboriginal**

10. Historic Temporal Period(s) Represented:

|                       |                     |                       |
|-----------------------|---------------------|-----------------------|
| Pre-1795              | 1796-1829           | 1830-1849             |
| 1850-1879             | 1880-1899           | 1900-1929             |
| 1930-1949             | 1950-1974           | 1975-2000             |
| Historic              | 18th Century        | <b>X</b> 19th Century |
| <b>X</b> 20th Century | Historic Aboriginal | 21st Century          |

11. Minimum Number of Historic Temporal Periods Represented: **2**

12. Basis for Assignment of Historic Temporal Period(s):

|                               |                                  |                     |
|-------------------------------|----------------------------------|---------------------|
| <b>X</b> Diagnostic Artifacts | Diagnostic Architectural Remains | Diagnostic Features |
| <b>X</b> Documentary Evidence | Oral Tradition                   | Other:              |

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features and include type names). When listing artifacts and/or features correlate to letters used for Temporal Periods in D.10

***Temporally diagnostic of the period from roughly 1880-1940, including an embossed Consolidated Fruit Jar Co. aqua-tinted glass canning jar fragment (1872-1882); a solarized glass bottle fragment with tooled patent finish (ca. 1875-1914); a New Wharf Pottery Co. whiteware bowl sherd with maker's mark (c. 1878-1894); utilitarian stoneware crock sherds (ca. 1880-1920); two lightning-type ceramic bottle stoppers (c. 1880-1920s); three Streater Bottle & Glass Co. beer bottle fragments embossed with "KUEBLER-STANG SANDUSKY, O" (1895-1898); 20 semi-automatic machine-made Ball Blue canning jar fragments (1896-1910); machine-made, solarized glass bottle / jar fragments (1905-1914); a McCormick's Iron Glue bottle (1905-c. 1920); machine-made, aqua-tinted bottle fragments (1905-1930); press-molded, solarized J.B. Higbee Glass Co. pitcher fragments (1907-1918); machine-made, Ball Blue glass canning jar fragments (1909-1940); Lucky Tiger Remedy hair tonic bottle fragments (1910-1926); Puritan Drug Manufacturing Co. Aster Extract bottle fragments (1913-1936); numerous glass pharmaceutical and other bottles with maker's marks dating from the 1910s-1930s; five W.T. Rawleigh's pharmaceutical bottle fragments (1929-1940); and four Charles E. Hires Co. Root Beer Extract bottle fragments (1937-1940). Other notable artifacts include three pieces of horse saddle hardware and 75 pieces of leather footwear representing at least three different boots.***

14 &amp; 15. Functional Categories of Historic Materials Present at Site and Specific Cultural Materials Collected:

- **718 historic material(s) recorded. See Continuation sheet for details.**

**General**

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

***Approximately 200 additional artifacts were observed on the ground surface at this site but not collected. The artifacts that were collected constitute a representative sample of the total number of artifacts observed. The artifacts not collected were primarily glass container fragments and ceramic tableware sherds.***

17. Affiliated Ohio Historic Inventory Site Number and Name:



**E. Physical Description**1. Archaeological Setting: **Open**

2. Prehistoric Site Type:

|             |                       |          |             |                        |
|-------------|-----------------------|----------|-------------|------------------------|
| Habitation: | Camp                  | Village  | Hamlet      | Unspecified Habitation |
| Extractive: | Quarry                | Workshop |             |                        |
| Ceremonial: | Unknown Mound         |          | Earth Mound | Stone Mound            |
|             | Effigy Mound          |          | Mound Group | Hilltop Enclosure      |
|             | Geometrical Earthwork |          | Cemetery    | Isolated Burial(s)     |
|             | Petroglyph/Pictograph |          | Unknown     | Other:                 |

3. Historic Site Type:

|                      |             |             |            |
|----------------------|-------------|-------------|------------|
| <b>X</b> Residential | Commercial  | Social      | Government |
| Religious            | Educational | Mortuary    | Recreation |
| Subsistence          | Industrial  | Health Care | Military   |
| Transportation       | Unknown     | Other:      |            |

4. State the basls on which site type assignment(s) were made.

***Historic map evidence, functional profile of artifact assemblage***5. Site Condition: **Disturbed-Extent Unknown**

6. Dominant Agent(s) of Disturbance:

|                |                      |           |                           |
|----------------|----------------------|-----------|---------------------------|
| None Apparent  | <b>X</b> Agriculture | Water     | Historic Construction     |
| Transportation | Mining               | Vandalism | Archaeological Excavation |
| Unrecorded     | Other:               |           |                           |

7. Nature of Disturbance/Destruction

8. Current Dominant Land Use:

***Agriculture***

9. Land Use History:

***No structures are shown in the location of 33HU0845 on any of the historic maps consulted for this project. In 1873, the site was located on a 49.75-acre parcel owned by H. Hasman; in 1891, the parcel was owned by Emma Meyers. In both years, as well as on the 1915 15' Siam, OH topographic quadrangle, a structure (presumably a farmhouse) is shown adjacent to***10. Site Elevation: **265** Meters A.M.S.L.11. Physiographic Setting of Site: **Lake Plain**12. Glacial Geomorphology: **Wisconsin Ground Moraine**13. Regional Geomorphological Setting: **Unrecorded**14. Local Environmental Setting: **Unrecorded**

15. Soils

Soil Association:

Soil Series-Phase/Complex: **Big1a1**16. Down Slope Direction: **Unrecorded**17. Slope Gradient (percent): % **Unrecorded:**

18. Drainage System:

Major Drainage: **Lake Erie**Minor Drainage: **HURON RIVER**19. Closest Water Source Name **Unnamed Trib to Frink Run**Water Source Type: **Ephemeral Stream**20. Horizontal Distance to Closest Water Source: **99** (m from UTM point)

21. Elevation Above Closest Water Source: (m A.M.S.L. from UTM point)

**F. Reporting Information**

## 1. Investigation Type:

|                    |                             |                                   |
|--------------------|-----------------------------|-----------------------------------|
| Reported           | Examination of Collection   | <b>X</b> Surface Collection       |
| Auger/Soil Corer   | <b>X</b> Shovel Test(s)     | Test Pit(s)                       |
| Deep Test(s)       | PZ or Humus Removal         | Test Trench(es)                   |
| Aerial Photograph  | Mitigation/Block Excavation | Testing/Excav. (strategy unknown) |
| Chemical Analysis: |                             | Other:                            |
| Remote Sensing:    |                             |                                   |

## 2. Surface Collection Strategy:

|                    |                  |                            |            |
|--------------------|------------------|----------------------------|------------|
| Not Applicable     | Grab Sample      | Diagnostics                | Unrecorded |
| Controlled-Unknown | Controlled-Total | <b>X</b> Controlled-Sample | Other      |

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

**A representative sample (approximately 50%) of artifacts observed on the ground surface were collected.**4. Surface Visibility: **11-50%**

5. Describe surface conditions.

6. Site Area (square meters): sq. m **53**7. Basis for Site Area Estimate: **Other** Other: **GIS**8. Confident of site boundaries? **NO**

9. Estimated Percentage of Site Excavated: %

10. Name of Form Preparer: **Adam Darkow**12. Date of Form: **09/29/2021**11. Institution: **Mannik & Smith Group**13. Field Date: **11/17/2021**

14. Time Spent at Site:

15. Weather Conditions:

16. Name(s), Address(es), Phone Number(s) of Local Informants

17. Artifact Repository(ies): **Land Owner**

18. Name(s), Address(es), Phone Number(s), of Owners of Collections from Site (attach inventories of private collections).

21. National Register Status:

24. Special Status (select only one, as appropriate): **None****G. References** - List Primary Documentary References

| Primary Author | Secondary Author   | Year | Title   |
|----------------|--|------|---|
| Hickle, E      | R. Chidester, M. Bell, A. Zissis, A. Darkow, K. Hayfield | 2021 | Second Addendum Report: Additional Phase I Archaeological Survey for the Emerson Creek Wind Project in Lyme and Norwich Townships, Huron County, Ohio |
|                |  |      |   |

---

23. *Discuss the potential significance of the site .*

**I. Description of Site**

*1. State physical description of the site and its setting, including dimensions, features (with Measurements), nature and location of artifacts and concentrations, extent, and location of disturbances, etc.*

33HU0845 (Field Site ELH048) is large historic artifact scatter located in a wood lot approximately 562 m (1,844 ft) north of Ohio State Route 162 and 754 m (2, 474 ft) west of Jennifer Road. A shovel test pit excavated in the approximate center of the site revealed a soil profile with the A horizon extending to a depth of 20 cm (7.9 in) . Nearly all of the 539 artifacts recovered from the STP came from the A horizon, but seven artifacts were recovered from the B horizon. Although the artifact assemblage spans a period of over half a century, the vast majority of artifacts appear to represent a smaller period from roughly 1910-1930. 33HU0845 likely represents concentrated farmstead refuse disposal in a convenient woodlot by the inhabitants of the Meyers farmstead.

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.*

There are no known relationships between sites.



**D. 5 & 6 Diagnostic Artifact List**

| <u>Diagnostic Artifact</u> | <u>Cultural Component</u> | <u>Description</u> | <u>Count</u> |
|----------------------------|---------------------------|--------------------|--------------|
| No Records                 | ..                        | ..                 | ..           |

**D. 7 & 8 Preshistoric Artifact List**

| <u>Material</u> | <u>Category</u> | <u>Other</u> | <u>Count</u> |
|-----------------|-----------------|--------------|--------------|
| No Records      | ..              | ..           | ..           |

**D. 14 & 15 Historic Artifact List**

| <u>Material</u>   | <u>Category</u> | <u>Other</u> | <u>Count</u> |
|---|-----------------|--------------|--------------|
| Porcelain Bowl sherd  | Kitchen         |              | 1            |
| amber glass Pharmaceutical Bottle<br>fragsextract finish, 1919- | Personal        |              | 2            |
| Aqua-tinted glass Bottle frag w/ tooled blob<br>finish1875-1920 | Unknown         |              | 1            |
| Aqua-tinted glass Bottle fragments,<br>Pre-1930                 | Unknown         |              | 20           |
| Aqua-tinted glass Canning Jar fragment<br>1856-1890s            | Kitchen         |              | 1            |
| Aqua-tinted glass Canning Jar fragments,<br>pre-1940            | Kitchen         |              | 27           |
| Aqua-tinted glass Window fragments                              | Architectural   |              | 15           |
| Ball Blue glass Canning Jar fragment,<br>1909-940               | Kitchen         |              | 1            |
| Brown / amber glass Pharmaceutical Bottle<br>fragment with tool | Personal        |              | 1            |
| Charles E. Hires Co clear Hires Household<br>Extract1937-1940   | Kitchen         |              | 4            |
| Colorless glass Jar fragment                                    | Unknown         |              | 1            |
| Cuprous metal Coffee Pot fragment                               | Kitchen         |              | 1            |
| Cuprous metal Pin   | Misc. Hardware  |              | 1            |
| Dry-Cell Battery Carbon Electrodes, 1876-                       | Misc. Hardware  |              | 4            |
| Embossed Ball Blue glass Mason Canning<br>Jar frags, 1896-1910  | Kitchen         |              | 20           |
| Embossed Consolidated Fruit Jar Co.<br>aqua-tinted glass Cannin | Kitchen         |              | 1            |
| Embossed Hemingray Threaded<br>aqua-tinted Insulator, 1871-     | Misc. Hardware  |              | 3            |
| Embossed Knox Glass clear Pharm bottle<br>frags1918-1930s       | Personal        |              | 2            |
| Embossed Milk Glass Canning Jar Lid Liner<br>fragments, 1869-   | Kitchen         |              | 18           |
| Embossed Milk White Crown Canning Jar<br>Lid Liner frags,1910   | Kitchen         |              | 2            |
| Embossed paneled colorless glass<br>Pharmaceutical Bottle frag  | Personal        |              | 1            |
| Embossed solarized glass Bottle / Jar<br>fragments, 1870-1914   | Unknown         |              | 2            |
| Enameled ferrous metal pot fragments                            | Unknown         |              | 3            |
| Engraved Werth's(?) Aluminum Ware<br>aluminum Measuring Cup     | Kitchen         |              | 1            |
| Ferrous metal Can fragments                                     | Unknown         |              | 79           |
| Ferrous metal Clamp   | Misc. Hardware  |              | 1            |
| Ferrous metal Crown Bottle Cap, 1892-                           | Kitchen         |              | 1            |
| Ferrous Metal fragment  | Unknown         |              | 1            |
| Ferrous metal Hardware fragments                                | Misc. Hardware  |              | 11           |
| Ferrous metal Hinge and Bolts                                   | Architectural   |              | 1            |
| Ferrous metal Horse Saddle Hardware                             | Agricultural    |              | 3            |
| Ferrous metal Nail fragments                                    | Architectural   |              | 22           |
| Ferrous metal Pipe  | Architectural   |              | 1            |

|   |               |    |
|---|---------------|----|
| Ferrous metal square nail fragments, 1805-1890                | Architectural | 8  |
| Ferrous metal Wire Nail fragments, 1885-                      | Architectural | 5  |
| Knox Glass Bottle Co pharm bottle frags 1932-1968             | Personal      | 4  |
| Leather Oxford style Boot fragments with rubber soles, 1890-  | Personal      | 75 |
| Lightning-type Ceramic Bottle Stoppers w/wire bail 1880-1920  | Kitchen       | 2  |
| Machine-made and rectangular base brown / amber glass Pharma  | Personal      | 3  |
| Machine-made aqua-tinted glass Bottle frag 1905-1930          | Unknown       | 1  |
| Machine-made Ball Blue glass Canning Jar fragments 1909-1940  | Kitchen       | 18 |
| Machine-made brown / amber glass Beverage Bottle frag, 1905-  | Kitchen       | 1  |
| Machine-made brown / amber glass Beverage Bottle frag 1905-   | Kitchen       | 1  |
| Machine-made brown / amber glass Bottle fragments, 1905-      | Unknown       | 13 |
| Machine-made colorless glass Bottle fragments                 | Unknown       | 12 |
| Machine-made colorless glass Bottle fragments with continuou  | Unknown       | 2  |
| Machine-made colorless glass Tumbler fragments, 1905-         | Kitchen       | 2  |
| Machine-made embossed colorless glass Maple Syrup Jug, 1905-  | Kitchen       | 1  |
| Machine-made embossed Hazel-Atlas Glass Co. colorless glass   | Unknown       | 1  |
| Machine-made embossed Owens Bottle Co panelled colorless 1925 | Personal      | 1  |
| Machine-made embossed Owens colorless glass Bottle fragments  | Unknown       | 4  |
| Machine-made embossed Owens-Illinois Glass Co. brown / amber  | Unknown       | 1  |
| Machine-made embossed Owens-Illinois Glass Co. colorless gla  | Personal      | 2  |
| Machine-made embossed Owens-Illinois Glass Pharm bottle frag  | Personal      | 3  |
| Machine-made embossed solarized glass Bottle / Jar fragment,  | Unknown       | 1  |
| Machine-made glass Bottle fragments with continuous external  | Unknown       | 2  |
| Machine-made Milk Glass Jar fragments, 1905-                  | Unknown       | 2  |
| Machine-made Pierce Glass Co. aqua-tinted glass W.T. Rawleig  | Personal      | 5  |
| Machine-made rectangular and paneled aqua-tinted glass Pharm  | Personal      | 5  |
| Machined clear glass Beverage Bottle frags w/crown fin 1905-  | Kitchen       | 3  |
| Machined embossed aqua glass Canning Jar frags, 1909-1940     | Kitchen       | 6  |
| Machined embossed clear glass French's Mustard frags, 1915-   | Kitchen       | 8  |
| Machined embossed clear McCormick's Iron Glue bottle 1905-20  | Furniture     | 1  |
| Machined embossed Hazel-Atlas Glass Co bottle frag 1923-1982  | Unknown       | 3  |
| Machined embossed lightgreen glass Star Bottling Works soda   | Kitchen       | 1  |

|   |                |     |
|---|----------------|-----|
| Machined embossed Owens Bottle Co. rectangular paneled          | Personal       | 1   |
| Machined embossed Owens Illinois Glass amber bottle frags 1930  | Kitchen        | 11  |
| Machined embossed panelled glass Pharmaceutical, 1905           | Personal       | 105 |
| Machined embossed smoked glass Mason Canning Jar frag 1905-     | Kitchen        | 14  |
| Machined embossed solarized glass Bottle/Jar frag 1905-1914     | Unknown        | 1   |
| Machined paneled aqua glass Bottle fragments, 19005-1930        | Unknown        | 6   |
| Machined pressmolded clear glass Packer's Tumbler frags         | Kitchen        | 3   |
| Machined solarized glass Cap & Spring closure type 1905-1914    | Kitchen        | 6   |
| New Wharf Pottery Whiteware Bowl sherd Maker's mark 1878-1894   | Kitchen        | 1   |
| Porcelain Bowl sherd  | Kitchen        | 1   |
| Porcelain Tableware sherds with floral decal, 1890-             | Kitchen        | 2   |
| Press molded porcelain Tableware sherd                          | Kitchen        | 2   |
| Press molded solarized glass Pitcher fragments, 1905-1914       | Furniture      | 11  |
| Press-molded embossed J.B. Higbee Glass Co. solarized glass     | Furniture      | 7   |
| Pressmolded solarized glass Decorative Tumbler frag 1870-1914   | Kitchen        | 1   |
| Puritan Drug Aster Extract Bottle frags 1913-1936               | Personal       | 3   |
| Solarized glass Bottle frag w/ tooled patent finish 1875-1914   | Unknown        | 1   |
| Streator Bottle & Glass aqua Kuebler beer bottle frag 1895-1898 | Kitchen        | 3   |
| Tygart Valley Glass Lucky Tiger Remedy Hair tonic 1910-1926     | Personal       | 7   |
| Unspent Coal fragments  | Misc. Hardware | 39  |
| Utilitarian stoneware Crock sherd w/ Albany slip 1880s-1890s    | Kitchen        | 1   |
| Utilitarian stoneware Crock sherd with Albany slip, 1880s-18    | Kitchen        | 1   |
| Utilitarian stoneware Crock sherds w/ Bristol glaze 1890-1920   | Kitchen        | 23  |
| Utilitarian stoneware Crock sherds with Bristol glaze, 20th     | Kitchen        | 3   |
| Whiteware Bowl / Cup sherds with brown transfer print, 1820-    | Kitchen        | 4   |
| Whiteware Tableware sherds, 1820-                               | Kitchen        | 7   |
| Zinc alloy Canning Jar Lid fragments, 1869 - c. 1945            | Kitchen        | 4   |

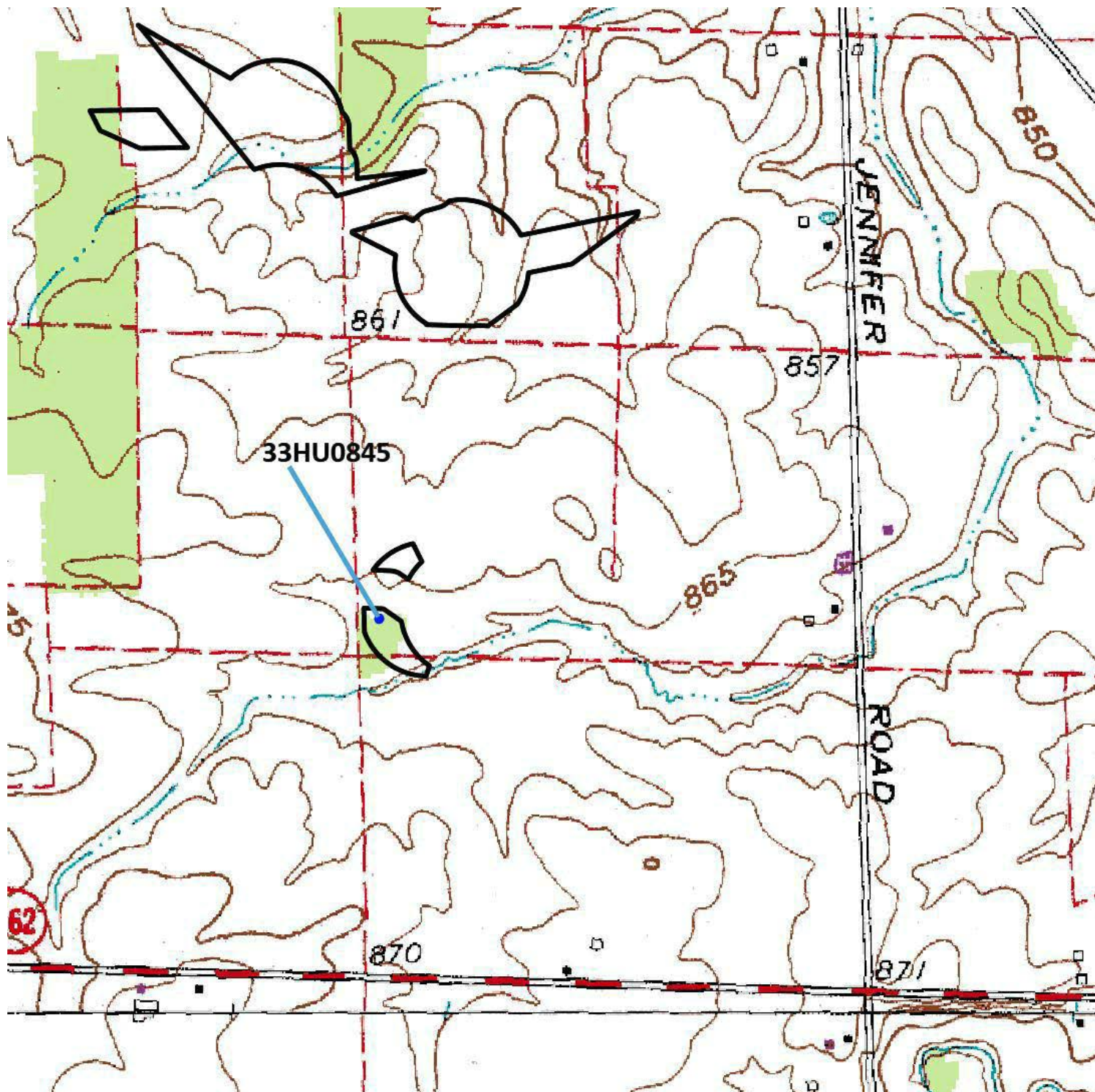
**H. Radiometric Date List**

| <u>Material Dated</u> | <u>Date (uncorrected C14 years)</u> | <u>Laboratory</u> | <u>Sample #</u> |
|-----------------------|-------------------------------------|-------------------|-----------------|
| No Records            | ..                                  | ..                | ..              |



**K. Sketch Map or Copy of Project Map of Site.**

Include north arrow and scale of the appropriate U.S.G.S. quadrangle. Outline total area surveyed and include locations of all identified sites.



**This foregoing document was electronically filed with the Public Utilities  
Commission of Ohio Docketing Information System on**

**12/28/2021 11:34:45 AM**

**in**

**Case No(s). 21-1055-EL-BGA**

Summary: Response Part 5 of 7 (Attachment 4) electronically filed by Christine M.T.  
Pirik on behalf of Firelands Wind, LLC