



**Phase IB Cultural Resources Survey
Western Supreme Buddhist Temple
Improvements Project,
Town of Glen, Montgomery County New York**

prepared for

**Western Supreme Buddha Temple
P.O. Box 617
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prepared by

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Management Summary

Phase IA/IB Cultural Resources Survey Western Supreme Buddhist Temple Improvements Project,
Town of Glen, Montgomery County New York

SHPO Project Review Number 21PR02286:

Involved State and Federal Agencies: DEC

Phase of Survey: IB

Location 174 Shrine Road
Minor Civil Division: Town of Glen
County: Montgomery

Survey Area:

Area	1A	1B	2	3	4A	4B	4C	5
Max Length m(ft)	140 (459)	34 (112)	29 (95)	186 (610)	40 (131)	101 (331)	41 (135)	161 (528)
Max Width m(ft)	118 (387)	101 (331)	42 (138)	156 (512)	57 (187)	109 (358)	68 (223)	175 (574)
Number of Acres Surveyed ac(ha)	1.4 (0.6)	0.18 (0.07)	0.26 (0.11)	4.2 (1.7)	0.18 (.07)	0.32 (0.13)	0.07 (0.03)	3.6 (1.4)

Number of Acres Surveyed: 10.21 (4.11 ha)
Number of Square Meters & Feet Excavated:
Percentage of the Site Excavated:

USGS 7.5 Minute Quadrangle Map: Tribes Hill

Archaeological Survey Overview

Number & Interval of Shovel Tests: 137 STPs (40 cm round) in 15 m (49.2 ft) intervals; 8 STPs at 2 m (6.6 ft) intervals; 8 STPs at 1 m interval; four STPs directly over or equidistant from positive surface finds.

Number & Size of Units:

Width of Plowed Strips:

Surface Survey Transect Interval:

Results of Archaeological Survey

Number & name of prehistoric sites identified: 0

Number & name of historic sites identified: 0

Number & name of sites recommended for Phase II/Avoidance: 0

Number of identified eligible buildings/structures/cemeteries/districts: 0

Report Author(s): David Moyer and Douglas Idleman

Date of Report: June 2022!

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Introduction

Birchwood Archaeological Services was contracted to conduct a Phase IB Cultural Resources Survey for a series of proposed improvements at the Western Supreme Buddhist Temple (WSBT) located between Riley Road and NYS Route 5S in the Town of Glen, Montgomery County, New York. The survey had been requested to assess the potential that significant cultural resources may be located within the project area. The investigation was performed in compliance with Section 14.09 of the New York State Historic Preservation Act (NYSHPA).

The proposed improvements will be conducted in five areas throughout the temple property. A Phase IA cultural resources literature review and sensitivity assessment has previously been conducted for the proposed project in the Fall of 2021 (Curtin Archaeological Consulting 2021). This report provides a summary of known historic and archaeological resources in the project vicinity and makes recommendations regarding the need for Phase IB testing at each of the five areas where ground disturbance will take place.

The recommendations from the Phase IA study were used to guide the subsequent Phase IB field investigations which are described in the current report. These Phase IB field excavations were designed to look for historic and precontact artifacts and intact cultural deposits.

Environmental Setting and Soils

The prior Phase IA study (Curtin Archaeological Consulting 2021) indicated that significant portions of the proposed project appear to have been subjected to prior ground disturbance. Some of this disturbance was documented in the Montgomery County Soil Survey (Davis and Landry 1978), which maps some areas as “cut and fill land.” The study indicated that denser clay soils might be encountered in the lower elevations of the WSBT property, while intact soils in upland areas were likely to consist of rocky sand and silty loams. More information about the soils and their environmental context are included in the prior Phase IB report.

Previously Identified Precontact and Historic Resources

The Phase IA literature review indicated that there are over 60 previously recorded archaeological sites within one mile of the WSBT property. In addition, the literature review indicated that there are two properties which have been listed on the National Register of Historic Places. These include the Erie Canal (90NR01535) and the New York State Barge Canal Historic District (14PR03692). Individuals wishing to learn more about the previously known archaeological resources in the project vicinity are referred to the Phase IA report (Curtin Archaeological Consulting 2021).

Archaeological Sensitivity

An assessment of whether significant cultural resources are likely to be present within a project area must consider what is known of the prehistory of the area, including likely locations of archaeological sites and proximity to known sites; and the history of the immediate area, including whether any historic structures or features are known to exist within the project boundaries. An assessment must also consider that if cultural resources *are* located on a parcel, will they likely retain *integrity* (without which they would not be considered significant). Modifications to the land may serve to destroy all or portions of any cultural deposits that may exist.

Due to the high density of historic and precontact sites in the project vicinity, the number of properties listed on the National Register of Historic Places (NRHP) and the significance of the area to historic and contemporary Mohawk Nation, the project area is considered highly sensitive for both historic and precontact archaeological resources. Those interested in learning more about the historic and prehistoric resources in the project vicinity are referred to the Phase IA report (Curtin Archaeological Consulting 2021).

Field Methodology

Phase IB Field investigations were conducted to identify any historic or prehistoric cultural resources that may be impacted by the proposed project. The Phase IB fieldwork was conducted during the period between April 14th and April 20th of 2022 and was supervised by David Moyer, RPA. Field Archaeologists Royce Duda and Silas Moyer assisted in the subsurface investigations. Photographs were taken of the project area, adjacent visible structures, and areas of disturbance (Appendix B).

A series of field methods, including shovel testing, intensive surface inspection and mechanized trenching were conducted within the five areas of proposed ground disturbance as recommended in the Phase IA report (Curtin Archaeological Consulting 2021). More detailed information regarding these field methods is provided below.

Intensive Surface Inspection- As part of the Phase IB field investigations, the eastern portion of Area 3 was subjected to an intensive surface inspection where little vegetation was observed during the prior Phase IA study in order to look for artifacts and evidence of cultural features. This was accomplished by archaeologists walking along the entire unvegetated area at intervals spaced 1.5 m (5 feet) apart. If a prehistoric artifact was encountered during the survey, the radius around the find was carefully examined for other artifacts, and shovel testing was used to look for buried remains in the vicinity. One shovel test pit was excavated directly over the original find spot while eight additional test pits were excavated at one and three meter intervals in the four cardinal directions using the methodology described below.

Subsurface Testing- Standard shovel test pits (STPs) were used to test for buried cultural deposits. STPs are small (about 50 cm or 20 inch diameter) holes excavated with a shovel; sediments are screened through 1/4 inch mesh to look for artifacts. STPs are excavated in natural soil layers, as much as possible, and are dug through the topsoil to at least 20 cm (~ 8 inches) into culturally sterile subsoil.

STPs were placed using a compass and tape at 10 m (32.8 ft) intervals in all areas of proposed ground disturbance. When an STP was placed in an area that was obviously disturbed (e.g., in a ditch along the side the road) or in standing water, an attempt was made to move the shovel test beyond the area of disturbance, to a maximum distance of 3 meters from its original location. A list of the STPs and their soil profiles is provided in Appendix C. Excavation of STPs was halted 20 cm (8 in.) into culturally sterile subsoil unless noted in the STP records.

Backhoe Testing- Backhoe testing was conducted in the southeastern part of Area 1 where the Phase IA report (Curtin Archaeological Consulting 2021) indicated that intact soils might occur beneath a layer of deposited fill. As part of the excavation, one archaeologist monitored the backhoe bucket while another examined the soil piles to look for artifacts or features. Once the excavation was complete photographs were taken of the trenches and a representative wall was chosen to be drawn in profile. Trenches were not excavated to depths beyond 5 feet (1.5 m) due to OSHA concerns. If features are

encountered as part of the backhoe trenching and area adjacent to the trench will be excavated and the feature drawn and photographed, then bisected and screened to look for cultural remains. Locations of the backhoe trenches were determined as part of the Phase IA study in areas which appeared the least disturbed and more likely to contain intact archaeological deposits.

Area 1

Project Description

Area 1 is situated on the south side of NYS Route 5S. The proposed construction in Area 1 includes the creation of a new welcome center with bathrooms, a storage shed. The construction also includes a septic system in the southern part of the project, a small rain garden and concrete sidewalks. Approximately 1.59 acres of ground disturbance is proposed in Area 1.

Phase IA Recommendations

The Phase IA report indicated considerable disturbance in this area, most notably in the northern part of the area where scraping appears to have been taking place. In addition it appears that there was the potential for fill soils overlaying natural deposits. In order to better examine this area the Phase IA report recommended that backhoe testing be conducted in this the southern portion of Area 1 to determine if intact soils occur beneath the fill. No shovel testing or other subsurface examinations were recommended in this area due to the high amount of prior disturbance in this area.

Results

Two backhoe trenches were excavated in the southern part of Area 1 as indicated on Figure 3 (Photos 1 and 2). Field methods employed in the backhoe testing are included in the previous section of this report. Excavation of the trenches was greatly hampered by the presence of logs lying perpendicular to the orientation of the trench, which prevented deeper testing and required extensive hand excavation (Photos 3-9). The low water table in Trench 2 prevented deeper testing in areas in between the buried logs. Test Trench 1 was approximately 10.10 m (33.1 ft) in length, while Trench 2 measured approximately 11.28 m (37.0 ft) long and oriented along a roughly northeast/southwest axis.

The trenching in Area 1 encountered an upper layer of dense clay that did not lend itself to screening or hand excavation. The upper soil extended to the base of the logs and consisted of 10YR 4/2 silty clay. The soil beneath this layer consisted of 10YR 3/1 dense clay. Evidence of mixing along the soil interface was noted in both trenches. A plastic drain pipe was noted in the northern part of Trench 1 at a depth of approximately 18 cm (7.1 in) below the ground surface. This drain pipe appears to be part of a larger stormwater system at Area which includes a pond and outlet drains (Photos 10-12). No artifacts or evidence of historic or precontact features archaeological deposits were encountered as part of the backhoe trenching in Area 1.

Area 2

Project Description

Area 2 is situated in an upland portion of the WSBT property which overlooks the Schoharie River (Figure 4; Photo 13). The area of proposed ground disturbance is small, measuring approximately 0.33 acres. Proposed developments in Area 2 include the construction of a new 1,780 ft² open air temple and concrete sidewalk which will extend east of an existing pedestrian walkway. In addition, a new stormwater feature may be constructed to the west of the temple structure.

Phase IA Recommendations

The Phase IA study (Curtin Archaeological Consulting 2021) recommended that Area 2 be tested using shovel testing at 10 m (32.8 ft) intervals to look for artifacts and intact cultural deposits. The report notes that the testing can be selective based upon the severity of prior disturbance in this area.

Results

The area appeared largely devoid of vegetation (Photos 14-19). A total of 12 shovel test pits were excavated in 10 m (32.8 ft) intervals over all areas of proposed ground disturbance as shown in Figure 4. Each STP was labeled per transect, with numerical labels used to further designate individual holes. None of these test pits encountered any modern, historic, or precontact artifacts. No archaeological sites were identified in this area. Standing water was noted in the central part of Area 2 (Photo 20), while some plywood sheets were noted to the southeast of the proposed open air temple (Photo 21).

Soils in Area 2 were varied. In the central part of Area 2 the soil consisted of 10YR 3/1 brownish black silt clay overlaying a subsoil consisting of 5YR 3/1 dark reddish brown silt clay. The presence of dense clay in the central part of Area 2 is likely due to deep testing for the proposed stormwater feature. Soils along the margins of Area 2 appeared more intact, with topsoil consisting of 10YR 4/3 dull yellowish brown silt loam overlaying a subsoil consisting of 10YR 5/6 yellowish brown silt loam. No evidence of any other soil anomalies and cultural features was encountered in Area 2.

Area 3

Project Description

Proposed improvements in Area 3 include the construction of a new 29,800 ft² temple building along with a new concrete retaining wall, a patio and two infiltration basins (Figure 5). The areas within the retaining wall will consist of poured concrete, and a series of grass and stone lined swales will help divert water from the infiltration basins. Approximately 4.19 acres will be subject to ground disturbance in Area 3.

Phase IA Recommendations

The Phase IA report indicated that a portion of the proposed concrete retaining wall had been constructed prior to the 2021 survey. The western part of Area 3 was largely devoid of vegetation at the time of his investigations, while the western part where the infiltration basin and drainage swales will be constructed was wooded. The Phase IA report noted that the western part of Area 3 is within an area mapped as “Cut and Fill” in the county soil survey (Davis and Landry 1978) but noted that the area had been more recently disturbed due to the overall lack of vegetation.

The Phase IA study did not recommend shovel testing in the western part of Area 3 due to the lack of topsoil, but instead recommended a detailed surface inspection of this area. In the eastern part of Area 3 where vegetation consisted of mature trees the Phase IA study recommended shovel testing at 10 m (32.8 ft) intervals in all areas where ground disturbance is proposed.

Results

The western part of Area 3 was slightly more vegetated than it appears in the photographs from the Phase IA report, although surface visibility was still relatively good (Photos 22-28). The intensive surface inspection in this area recovered two chert flakes as well as historic artifacts consisting of a clay tobacco pipe stem and a fragment of green hand blown bottle glass (Photos 73 and 74). All of this material was recovered from the eastern part of the unvegetated area near the edge of the woods.

In order to better define the horizontal and vertical limits of these surface finds 16 shovel test pits were excavated directly over and adjacent to the historic and precontact surface finds as shown in Figure 5. None of these test pits recovered any additional artifacts. No evidence of charcoal or cultural features was identified in any of these STPs.

The eastern part of Area 3 was shovel tested in 10 m (32.8 ft) intervals over all areas of proposed ground disturbance as shown in Figure 5. A total of 96 STPs were initially placed within areas which did not appear open on the aerial photograph. Each STP was labeled per transect, with numerical labels used to further designate individual holes. Four of the STPs could not be excavated due to soil scraping while three STPs could not be excavated due to piles of logs, brush and soil along the I transect (Photo 36).

Shovel tests in Area 3 ranged in depth between 31 and 71 cm (16.1 and 28.0 in) below the ground surface. Five STPs were stopped by rising water levels at depths ranging between 31 and 40 cm (16.1 and 15.7 in). Topsoil generally consisted of 10YR 4/3 dull yellowish brown silt loam overlaying a subsoil consisting of 10YR 5/6 yellowish brown silt loam. No evidence of charcoal or buried cultural features was noted.

Initial results of the shovel testing in the eastern part of Area 3 recovered a single chert flake fragment from STP I-6 along the westernmost edge of the tree line (Photos 39 and 40). Additional testing in the four cardinal directions around STP I-6 recovered six additional fragments of chipped stone debitage to the north and south as shown in Figure 5. Additional radial testing was limited due to the adjacent topsoil removal.

Because of the proximity of the precontact surface finds to the precontact artifacts recovered from the shovel testing around STP I-6 the area was designated a precontact archaeological site. The two historic finds (the pipe stem and fragment of hand blown bottle glass) were recovered slightly to the south of the precontact finds. The clay tobacco pipe stem fragment appeared comparatively large, while the fragment of green hand blown bottle glass appeared relatively thin (Photo 74). While unclear at this time, both of these artifacts likely date to the early or mid-19th century and do not appear associated with 17th or 18th century occupation of the area by Jesuits or Mohawk people.

Area 4

Project Description

Area 4 is situated at the top of a slope adjacent to a pyramid shaped structure used for water storage (Photo 49). Proposed ground disturbance in Area 4 includes the installation of new water lines and the relocation of a small portion of Pilgrimage Avenue (Figure 6). A portion of these new water lines will continue north and east to connect with the proposed new temple at Area 3 as shown in Figure 5 (Photos 63 and 64).

Phase IA Recommendations

The Phase IA study grouped Area 4 into three areas, with Area 4A comprising the relocation of Pilgrimage Road and the proposed water main extending to Area 3 (Photos 52-62). Area 4B includes a grass lined swale and infiltration basin, while Area 4C will connect an existing storage building with a pyramid shaped water storage structure (Photos 44-48) The project also includes a new water main which will extend north from the water storage structure to connect with Pilgrimage Road.

The Phase IA study indicated that much of the ground surface within Area 4 appeared heavily disturbed, especially to the south of the water storage pyramid which appeared to have been extensively mined (Curtin Archaeological Consulting 2021: 17). For this reason, only certain areas were recommended for shovel testing. These areas were determined largely based upon elevation and lack of disturbance and included only specific portions of the linear segments. No subsurface testing was recommended for Area 4B, and only a portion of Area 4C was recommended for shovel testing.

Results

Shovel testing was conducted in all portions of Area 4 identified in the Phase IA report. A total of 39 STPs were initially placed in 10 m (32.8 ft) intervals over all areas recommended for Phase IB testing as shown in Figure 6. Five STPs (12.8%) could not be excavated due to standing water along the S transect where the new road alignment is proposed (Photos 60-62). This brought the total number of test pits to 34. Of these 34 STPs, only one (2.9%) recovered any cultural material: a fragment of clear bottle glass recovered from the upper level of STP T-4. This find was not associated with any archaeological deposits or concentrations and was noted and reburied in its original locale. No archaeological sites were identified as part of the Phase IB study at Area 4.

STPs in Area 4 ranged in depth between 18 and 63 cm (7.1 and 24.8 in) below the ground surface. Ten STPs were stopped by rising water levels at depths ranging between 18 and 49 cm (7.1 and 19.3 in). Topsoil generally consisted of 10YR 4/3 dull yellowish brown silt loam overlaying a subsoil consisting of 10YR 5/6 yellowish brown silt loam. STPs U-2 and U-3 encountered mixed topsoil and subsoil consistent with prior ground disturbance. STP T-1 encountered a buried A horizon at a depth of 17-40 cm (6.7-15.7 in) below of the ground surface. This horizon appears related to the construction of the water storage feature rather than precontact or historic occupation. No evidence of charcoal or buried cultural features was noted.

Area 5

Project Description

Area 5 is situated near the entrance to the WSBT property along Ripley Road. Proposed construction in Area 5 includes the construction of a new open air pavilion and 8,000 ft² storage garage. The improvements will also include a driveway extending east of Friendship Road. A new 44 lot asphalt parking lot will be constructed to the south of the pavilion. Approximately 3.57 acres will be impacted by the proposed construction.

Phase IA recommendations

The Phase IA study recommended subsurface testing at 10 m (32.8 ft) intervals in two areas: a small portion of the western boundary where the proposed driveway will extend east from Friendship Road and in the wooded area in the southern part of Area 5 (Photos 65-72). No other testing was recommended in Area 5 due to prior ground disturbance (Curtin Archaeological Consulting 2021: 17).

Results

Shovel Testing in Area 5 consisted of excavating six STPs at 10 m (32.8 ft) intervals along the eastern side of Friendship Road as shown in Figure 7. No subsurface testing was conducted in the wooded area in the south due to modification of the project design. Of the six STPs excavated in Area 5, none encountered any historic, precontact, or modern refuse. No evidence of cultural features was noted, and no archaeological sites were identified.

STPs in Area 5 ranged in depth between 45 and 60 cm (17.7 and 23.6 in) below the ground surface with an average depth of 52.3 cm (20.6 in). Topsoil generally consisted of 10YR 4/3 dull yellowish brown silt loam overlaying a subsoil consisting of 10YR 5/6 yellowish brown silt loam. This soil profile is similar to that found in Areas 3 and 4 and compares well with soil descriptions included in the Phase IA report (Curtin Archaeological Consulting 2021). No soil anomalies or buried A horizons were noted as part of the subsurface testing.

Summary and Recommendations

A Phase IB Cultural Resources Survey has been completed for a proposed development project located on the property of the Western Supreme Buddhist Temple located between Ripley Road and NYS Route 5S in the Town of Glen, Montgomery County, New York (Figures 1-7; Photos 1-72). The proposed improvements will be conducted in five areas throughout the temple property. A Phase IA cultural resources literature review and sensitivity assessment has previously been conducted for the proposed project in the Fall of 2021 (Curtin Archaeological Consulting 2021). The recommendations from the Phase IA study were used to guide the subsequent Phase IB field investigations which are described in the current report. A series of field methods, including shovel testing, intensive surface inspection and mechanized trenching were conducted within the five areas of proposed ground disturbance as recommended in the Phase IA report.

One historic archaeological site and one precontact archaeological sites were identified as part of the Phase IB subsurface testing. Both of these sites are situated in close proximity to one another in Area 3. The historic site is represented by two artifacts, a fragment of green hand blown bottle glass and a clay tobacco pipe stem found in the unvegetated portion of Area 3. The site likely dates to the 18th or early 19th century. Subsequent excavation and intensive surface inspection in the immediate vicinity of the finds failed to recover additional artifacts. All of the topsoil was previously removed from the area, leaving only subsoil exposed. For this reason, it appears unlikely that additional excavation would be likely to produce additional artifacts or features. Based upon the results of the Phase IB field investigations, no further work is recommended at the historic site encountered in Area 3.

The precontact archaeological site is represented by two surface finds in the western part of Area 3 as well as in three shovel test pits excavated in the wooded portion to the east. A total of nine flake fragments were recovered from the site, all made from dark blue glossy chert. The site may represent a small lithic reduction area associated with a seasonal encampment, or may represent a more substantial occupation. Because of the presence of multiple artifacts from multiple test pits and surface contexts, the site may be able to provide important information about precontact lifeways in the Mohawk Valley.

In our discussions with WSBT and their overall plan for the site development, construction within Area 3 cannot be avoided. Because avoidance is not possible, additional Phase II archaeological site examinations would appear warranted. Construction monitoring may be appropriate given the partially disturbed nature of the site. Proposed work in all areas outside of the WSBT Precontact Site should be allowed to proceed. These recommendations are subject to the review and concurrence of the New York State Office of Parks, Recreation, and Historic Preservation.

References Cited

Curtin Archaeological Consulting

2021 *Phase IA Archaeological Survey, Western Supreme Buddha Temple Site Development Town Of Glen, Montgomery County, New York*. Report on file at NYS Office Parks, Recreation and Historic Preservation, Waterford, NY.

Davis, Leon and Robert and Landry

1978 *Soil Survey of Montgomery and Schenectady Counties, New York*. Government Printing Office, Washington D.C.

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1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State*. <http://nyarchaeology.org/assests/standards/NYACStandards.pdf>

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2005 *Phase I Archaeological Report Format Requirements*. <http://nysparks.com/shpo/environmental-review/documents/PhaseIReportStandards.pdf>

Appendix A.

Figures

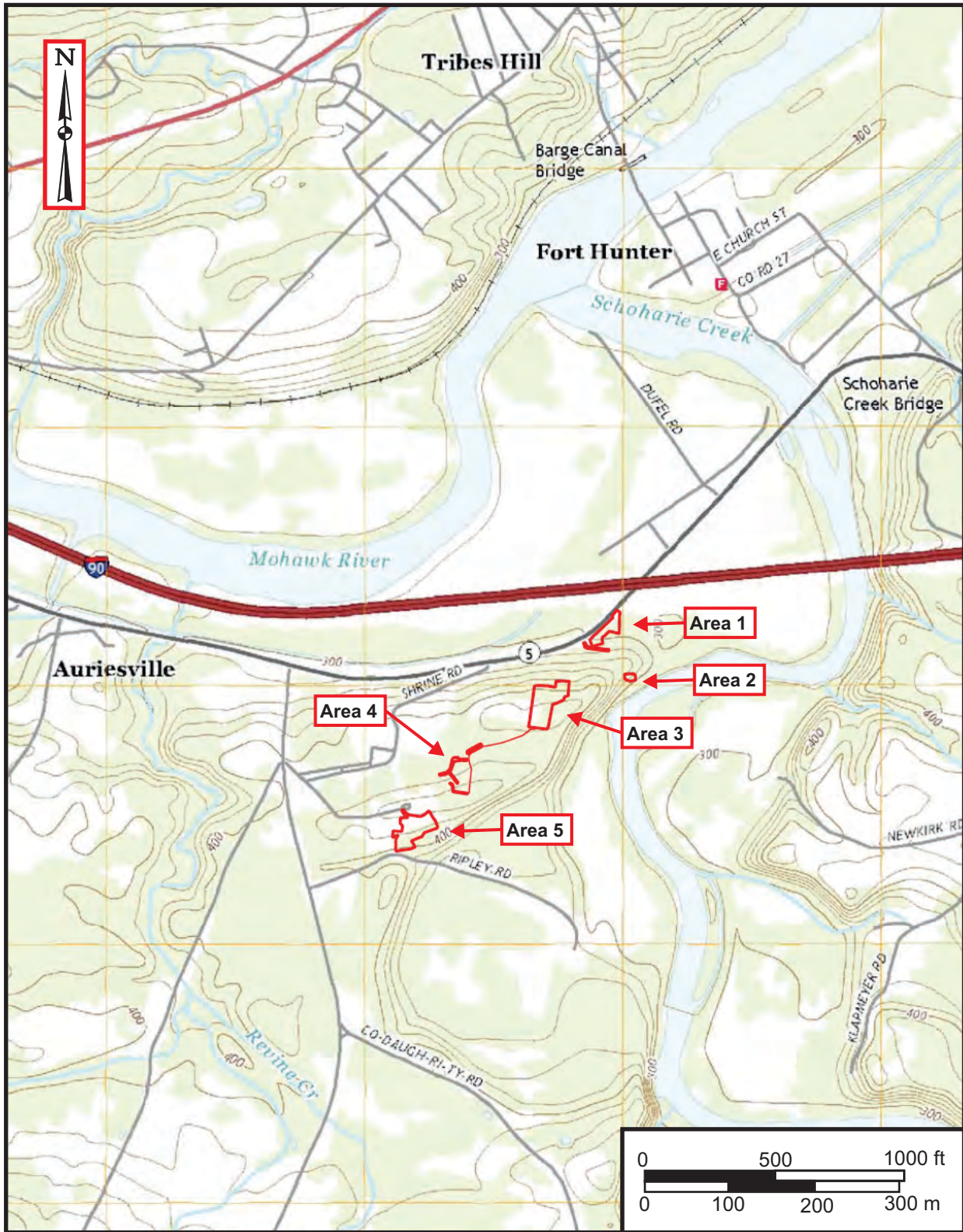


Figure 1. Map showing the location of the APE on the Tribes Hill 7.5 minute USGS topographic map.

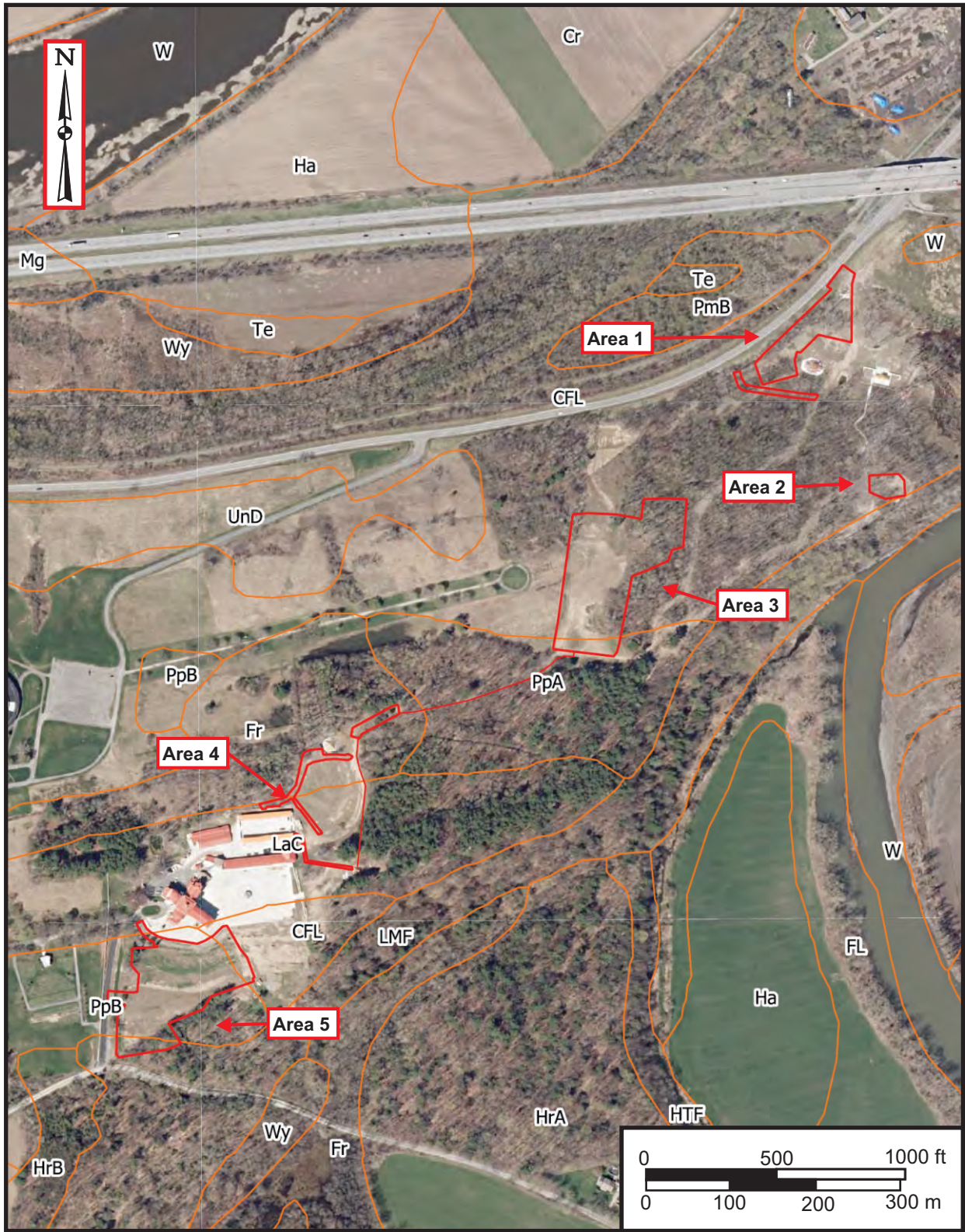


Figure 2. USDA Web Soil Survey Map with the project locations indicated.

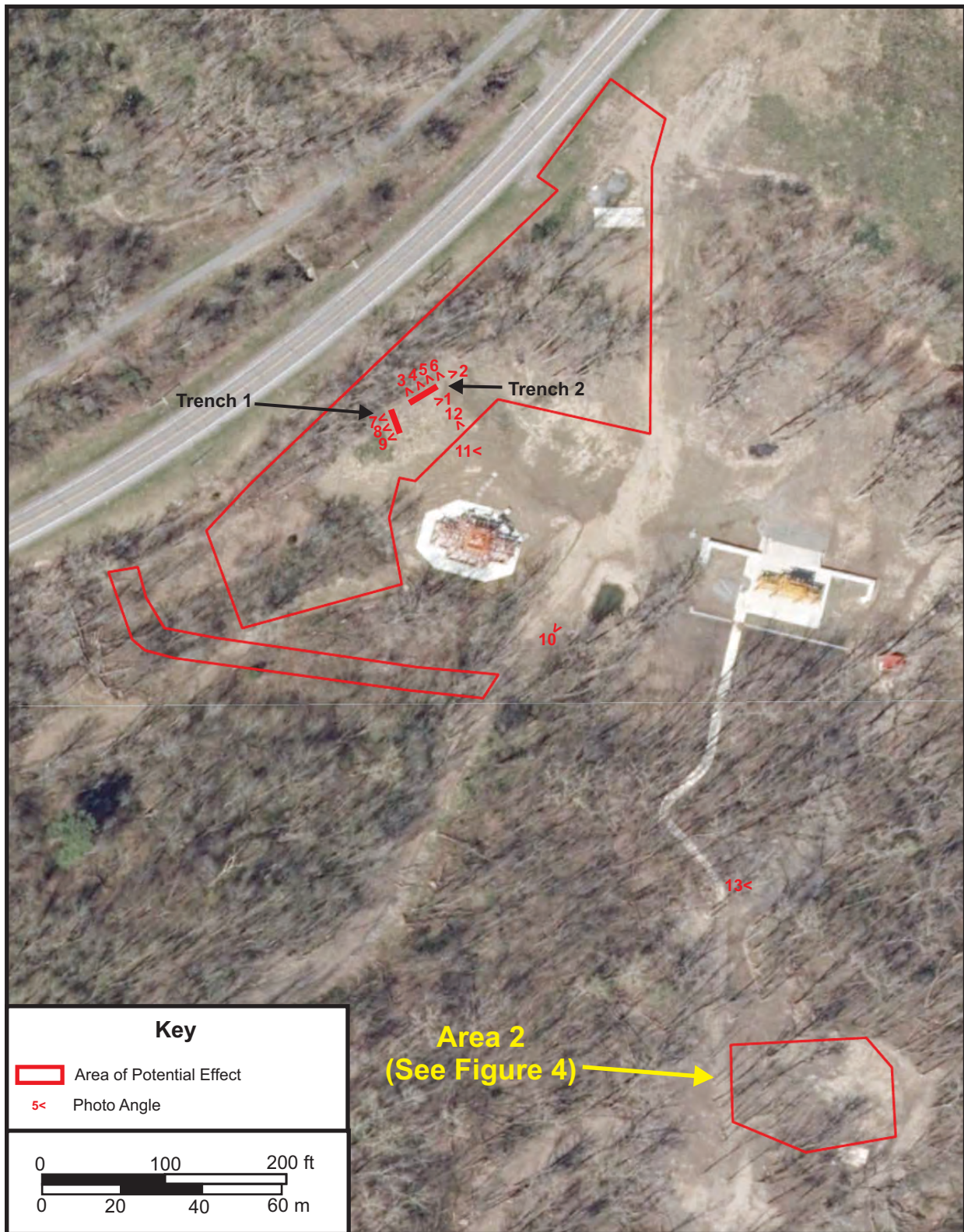


Figure 3. Map showing the location of Phase IB field investigations at Area 1.



Figure 4. Map showing the location of Phase IB field investigations at Area 2.

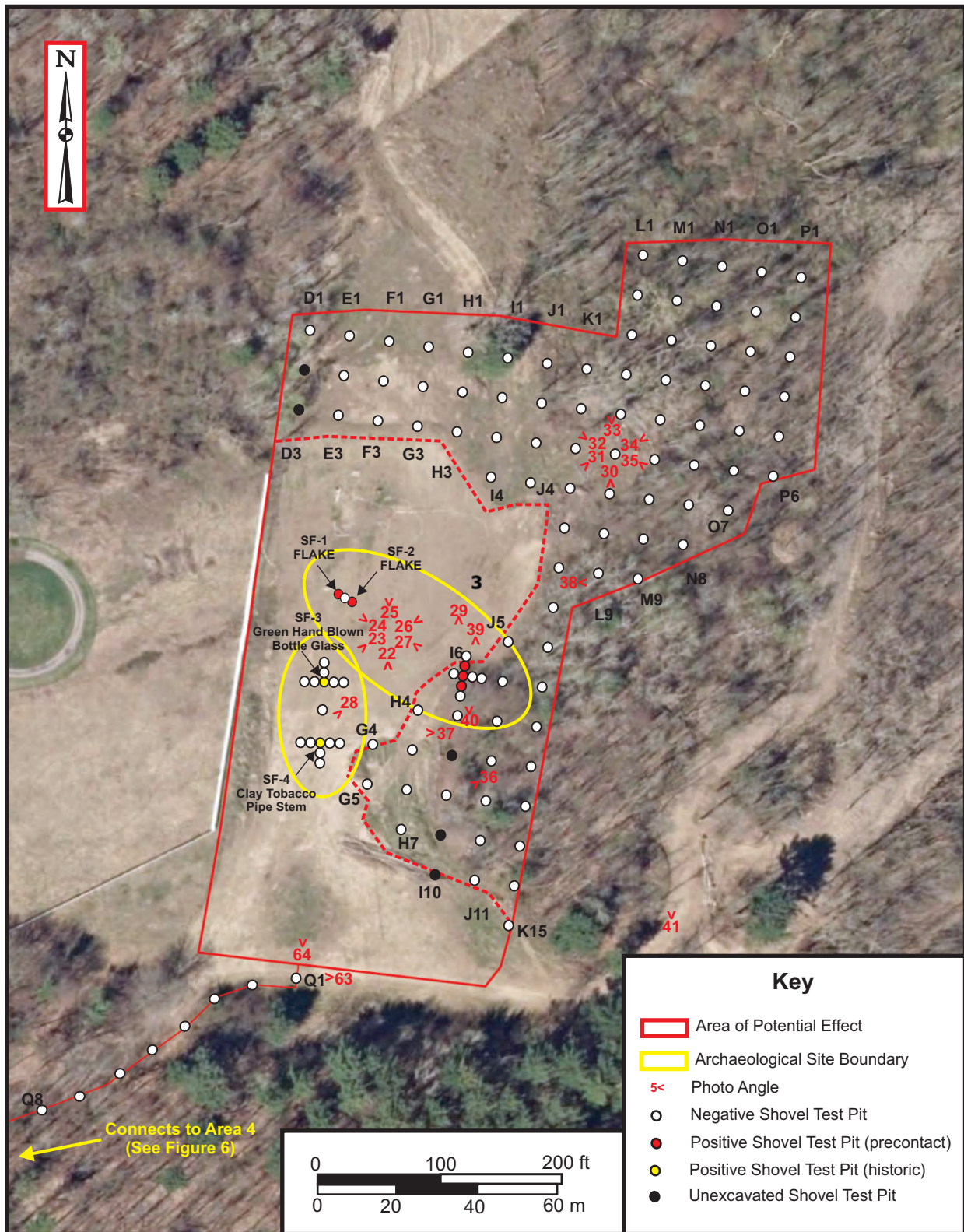


Figure 5. Map showing the location of Phase IB field investigations at Area 3.



Figure 6. Map showing the location of Phase IB field investigations at Area 4.

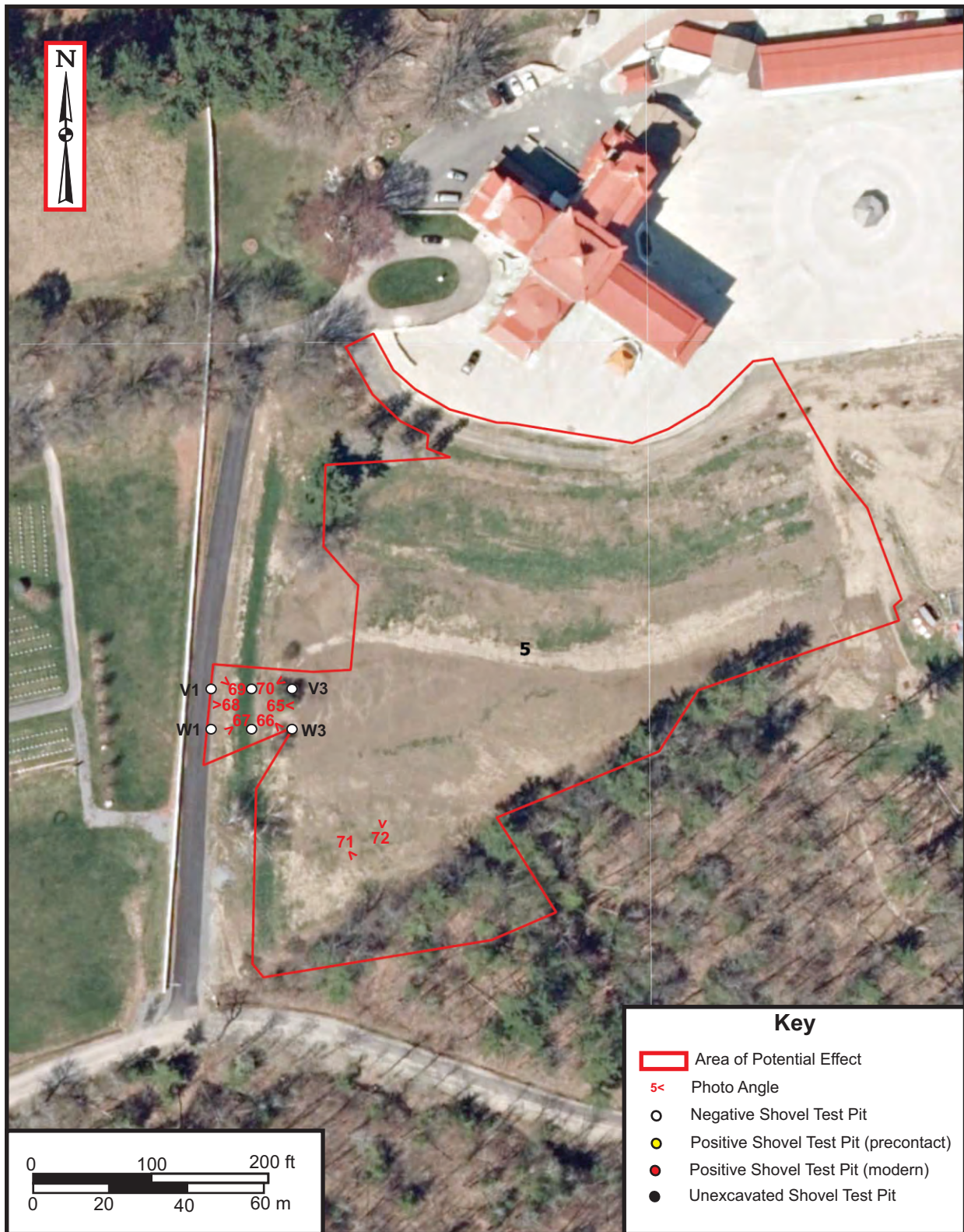


Figure 7. Map showing the location of Phase IB field investigations at Area 5.

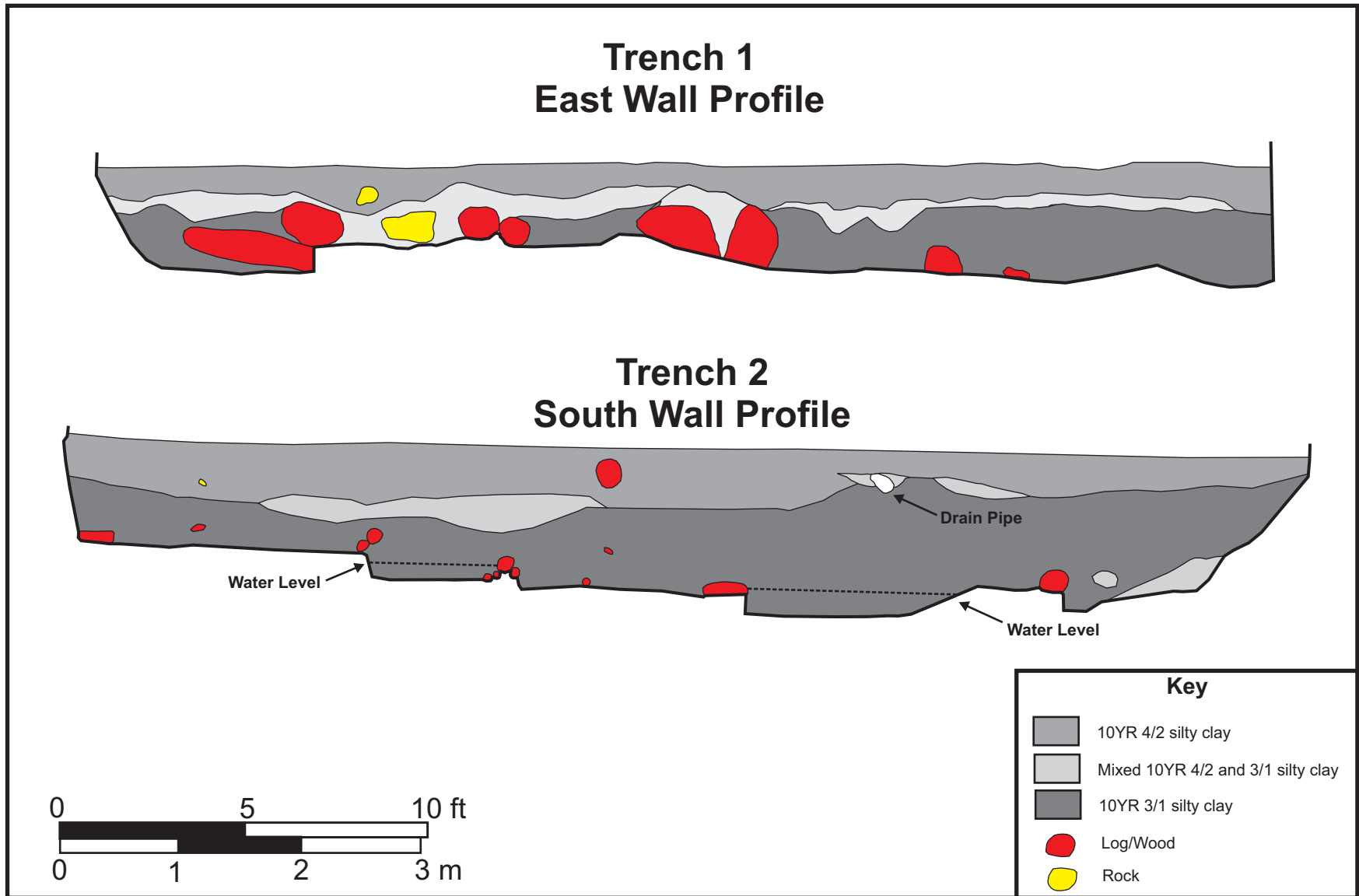


Figure 8. Wall profiles of test trenches at Area 1.

Appendix B.

Photographs



Photo 1. View of the excavation of Trench 1 at Area 1, facing southwest.



Photo 2. View of the west end of Trench 2 at Area 1, facing southwest.



Photo 3. View of the south wall of Trench 2 at Area 1, facing southeast.



Photo 4. View of the central part of the south wall of Trench 2 at Area 1, facing southeast.



Photo 5. View of the central part of the south wall of Trench 2 at Area 1, facing southeast.



Photo 6. View of the south wall of Trench 2 at Area 1, facing southeast.



Photo 7. View of the northern part of the east wall of Trench 1 at Area 1, facing northeast.



Photo 8. View of the central part of the east wall of Trench 1 at Area 1, facing northeast.



Photo 9. View of the southern part of the east wall of Trench 1 at Area 1, facing northeast.



Photo 10. View of pond feature to the south of Area 1, facing northeast.



Photo 11. View of stormwater drain in the central part of Area 1, facing east.



Photo 12. View of stormwater drain in Area 1, facing southeast.



Photo 13. View of Schoharie Creek from the pedestrian trail between Areas 1 and 2, facing east.



Photo 14. Portion of panoramic view from the central part of Area 2, facing east.



Photo 15. Portion of panoramic view from the central part of Area 2, facing southeast.



Photo 16. Portion of panoramic view from the central part of Area 2, facing southwest.



Photo 17. Portion of panoramic view from the central part of Area 2, facing west.



Photo 18. Portion of panoramic view from the central part of Area 2, facing northwest.



Photo 19. Portion of panoramic view from the central part of Area 2, facing northeast.



Photo 20. View of standing water in Area 2, facing east.



Photo 21. View of plywood feature at Area 2, facing southeast.



Photo 22. Portion of panoramic view from the western part of Area 3, facing south.



Photo 23. Portion of panoramic view from the western part of Area 3, facing southwest.



Photo 24. Portion of panoramic view from the western part of Area 3, facing northwest.



Photo 25. Portion of panoramic view from the western part of Area 3, facing north.



Photo 26. Portion of panoramic view from the western part of Area 3, facing northeast.



Photo 27. Portion of panoramic view from the western part of Area 3, facing southeast.



Photo 28. View of ground conditions in the western part of Area 3, facing southwest.



Photo 29. View along the eastern concrete block wall at Area 3, facing south.



Photo 30. Portion of panoramic view from the eastern part of Area 3, facing south.



Photo 31. Portion of panoramic view from the eastern part of Area 3, facing southwest.



Photo 32. Portion of panoramic view from the eastern part of Area 3, facing northwest.



Photo 33. Portion of panoramic view from the eastern part of Area 3, facing north.



Photo 34. Portion of panoramic view from the eastern part of Area 3, facing northeast.



Photo 35. Portion of panoramic view from the eastern part of Area 3, facing southeast.



Photo 36. View of brush and push piles along the wooded boundary in Area 3, facing southwest.



Photo 37. View of the excavation at the historic site in Area 3, facing west.



Photo 38. View of view of logs and push piles in the wooded portion of Area 3, facing east.



Photo 39. View of the WSBT Precontact Site, facing south.



Photo 40. View of the WSBT Precontact Site, facing north.



Photo 41. View of stormwater area to the west of Area 3, facing north.



Photo 42. Portion of panoramic view from Area 4C, facing west.



Photo 43. Portion of panoramic view from Area 4C, facing northwest.



Photo 44. Portion of panoramic view from Area 4C, facing northeast.



Photo 45. Portion of panoramic view from Area 4C, facing east.



Photo 46. Portion of panoramic view from Area 4C, facing southeast.



Photo 47. Portion of panoramic view from Area 4C, facing southwest



Photo 48. View of slope descending from the eastern part of Area 4C, facing northwest.



Photo 49. View of the existing water storage pyramid showing terraces, facing southeast.



Photo 50. View from the south end of the T Transect at Area 4C, facing north.



Photo 51. View from the north end of the T Transect at Area 4C, facing south.



Photo 52. Portion of panoramic view from the eastern end of Area 4A, facing northeast.



Photo 53. Portion of panoramic view from the eastern end of Area 4A, facing east.



Photo 54. Portion of panoramic view from the eastern end of Area 4A, facing southeast.



Photo 55. Portion of panoramic view from the eastern end of Area 4A, facing southwest.



Photo 56. Portion of panoramic view from the eastern end of Area 4A, facing west.



Photo 57. Portion of panoramic view from the eastern end of Area 4A, facing northwest.



Photo 58. View of standing water in the eastern part of Area 4A, facing northeast.



Photo 59. View of storm drain along the edge of the roadway at Area 4A, facing east.



Photo 60. View of standing water along the S transect at Area 4A, facing southeast.



Photo 61. View of standing water along the S transect at Area 4A, facing south.



Photo 62. View of standing water along the S transect at Area 4A, facing southeast.



Photo 63. View from the east end of the proposed water main at Area 4A, facing west.



Photo 64. View of where the proposed water line from Area 4A will connect with Area 3, facing north.



Photo 65. Portion of panoramic view from the area of subsurface testing at Area 5, facing east.



Photo 66. Portion of panoramic view from the area of subsurface testing at Area 5, facing southeast.



Photo 67. Portion of panoramic view from the area of subsurface testing at Area 5, facing southwest.



Photo 68. Portion of panoramic view from the area of subsurface testing at Area 5, facing west.



Photo 69. Portion of panoramic view from the area of subsurface testing at Area 5, facing northwest.



Photo 70. Portion of panoramic view from the area of subsurface testing at Area 5, facing northeast.



Photo 71. View of woods in the southern part of Area 5, facing southeast.



Photo 72. View from the edge of the tree line in the southern part of Area 5, facing north.

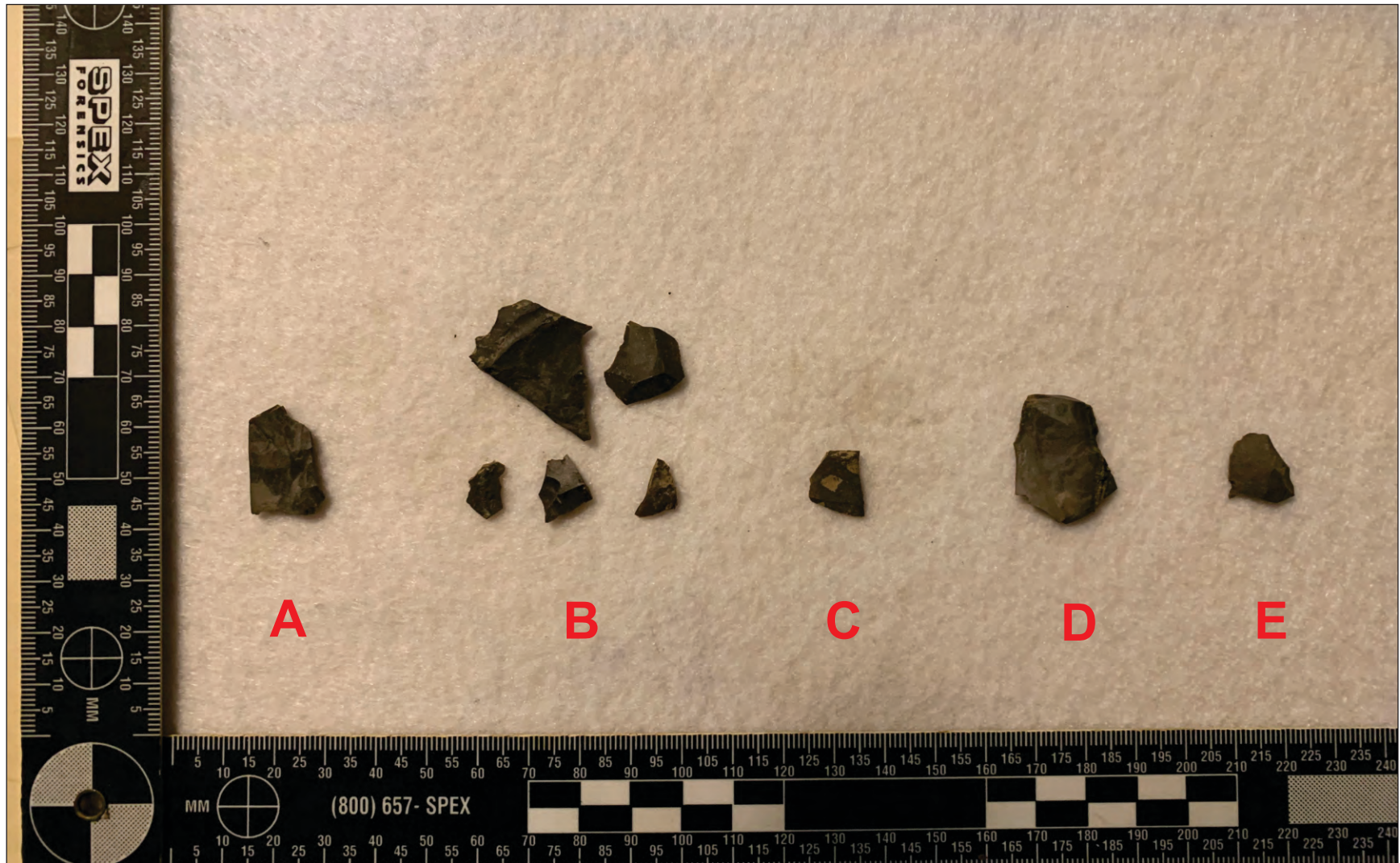


Photo 73. Precontact artifacts recovered from the Phase IB survey. A= flake fragment recovered from STP I=6. B= five chert flake fragments recovered from STP I-6/1mN. C= flake fragment recovered from STP I-6/1mS. D= flake fragment SF-1. E= Flake fragment SF-2.



Photo 74. Historic artifacts recovered from the Phase IB subsurface testing. A= fragment of green hand blown bottle glass recovered from Area 3. (SF-3). B= clay tobacco pipe stem recovered from Area 3 (SF-4).

Appendix C.

Shovel Test Pit Records

Appendix C.

STP Records

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
A-1	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
A-1	2	19	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
A-2	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
A-2	2	23	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
A-3	1	0	17	10YR 3/1 brownish black silt clay	A Horizon	N	
A-3	2	17	53	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
A-4	1	0	13	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
A-4	2	13	40	10YR 5/6 yellowish brown silt loam	B Horizon	N	
A-4	3	40	57	10YR 3/1 brownish black silt clay	C Horizon	N	
B-1	1	0	18	10YR 3/1 brownish black silt clay	A Horizon	N	
B-1	2	18	46	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
B-2	1	0	19	10YR 3/1 brownish black silt clay	A Horizon	N	
B-2	2	19	51	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
B-3	1	0	24	10YR 3/1 brownish black silt clay	A Horizon	N	
B-3	2	24	49	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
B-4	1	0	23	10YR 3/1 brownish black silt clay	A Horizon	N	
B-4	2	2	54	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
C-1	1	0	10	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
C-1	2	10	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
C-2	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
C-2	2	25	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
C-3	1	0	30	10YR 3/1 brownish black silt clay	A Horizon	N	
C-3	2	30	56	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
C-4	1	0	27	10YR 3/1 brownish black silt clay	A Horizon	N	
C-4	2	27	48	5YR 3/1 dark reddish brown silt clay	B Horizon	N	
D-1	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
D-1	2	21	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
D-2				not dug disturbed			

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
D-3				not dug disturbed			
E-1	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
E-1	2	21	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
E-2	1	0	24	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
E-2	2	24	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
E-3	1	0	28	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
E-3	2	28	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
F-1	1	0	29	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
F-1	2	29	60	10YR 5/6 yellowish brown silt loam	B Horizon	N	
F-2	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
F-2	2	23	56	10YR 5/6 yellowish brown silt loam	B Horizon	N	
F-3	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
F-3	2	18	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
G-1	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
G-1	2	23	55	10YR 5/6 yellowish brown silt loam	B Horizon	N	
G-2	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
G-2	2	25	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	
G-3	1	0	26	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
G-3	2	26	57	10YR 5/6 yellowish brown silt loam	B Horizon	N	
H-1	1	0	28	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
H-1	2	28	56	10YR 5/6 yellowish brown silt loam	B Horizon	N	
H-2	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
H-2	2	25	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
H-3	1	0	30	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
H-3	2	30	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-1	1	0	38	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-1	2	38	71	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-2	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-2	2	20	51	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-3	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-3	2	19	51	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-4	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-4	2	23	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
I-5				not dug scraped			
I-6	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	Y	1 flake
I-6	2	19	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 1mN	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	Y	6 flakes
I-6 1mN	2	20	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 3mN	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-6 3mN	2	17	41	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 1mE	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-6 1mE	2	23	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 3mE	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-6 3mE	2	20	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 1mS	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	Y	1 flake
I-6 1mS	2	19	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 3mS	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-6 3mS	2	25	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 1mW	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-6 1mW	2	23	55	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-6 3mW	1	0	10	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-6 3mW	2	10	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-7				not dug scraped			
I-8	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
I-8	2	20	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
I-9				not dug scraped			
I-10				not dug scraped			
J-1	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-1	2	22	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-2	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-2	2	23	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-3	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-3	2	25	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-4	1	0	37	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-4	2	37	60	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-5	1	0	27	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
J-5	2	27	55	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-6	1	0	26	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-6	2	26	56	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-7	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-7	2	19	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-8	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-8	2	20	55	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-9	1	0	29	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-9	2	29	59	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-10	1	0	24	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-10	2	24	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	
J-11	1	0	33	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
J-11	2	33	59	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-1	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-1	2	18	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-2	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-2	2	22	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-3	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-3	2	19	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-4	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-4	2	17	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-5	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-5	2	19	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-6	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-6	2	20	36	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
K-7	1	0	16	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-7	2	16	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-8	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-8	2	18	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-9	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-9	2	22	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-10	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-10	2	20	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
K-11	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-11	2	19	45	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-12	1	0	27	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-12	2	27	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-13	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-13	2	20	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-14	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-14	2	22	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
K-15	1	0	27	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
K-15	2	27	56	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-1	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-1	2	20	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-2	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-2	2	18	53	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-3	1	0	11	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-3	2	11	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-4	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-4	2	25	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-5	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-5	2	23	55	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-6	1	0	28	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-6	2	28	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-7	1	0	26	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-7	2	26	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
L-8	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	stopped by water
L-9	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
L-9	2	23	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
M-1	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-1	2	20	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
M-2	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-2	2	22	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
M-3	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-3	2	21	43	10YR 5/6 yellowish brown silt loam	B Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
M-4	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-4	2	18	45	10YR 5/6 yellowish brown silt loam	B Horizon	N	
M-5	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-5	2	17	31	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
M-6	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-6	2	21	44	10YR 5/6 yellowish brown silt loam	B Horizon	N	
M-7	1	0	16	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-7	2	16	36	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
M-8	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-8	2	17	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
M-9	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
M-9	2	15	44	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-1	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-1	2	21	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-2	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-2	2	19	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-3	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-3	2	21	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-4	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-4	2	22	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-5	1	0	23	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-5	2	23	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-6	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-6	2	20	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-7	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-7	2	21	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
N-8	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
N-8	2	21	40	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
O-1	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
O-1	2	19	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
O-2	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
O-2	2	22	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
O-3	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
O-3	2	18	37	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
O-4	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
O-4	2	18	43	10YR 5/6 yellowish brown silt loam	B Horizon	N	
O-5	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
O-5	2	18	51	10YR 5/6 yellowish brown silt loam	B Horizon	N	
O-6	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
O-6	2	20	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
O-7	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
O-7	2	20	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
P-1	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
P-1	2	15	20	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by roots
P-2	1	0	16	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
P-2	2	16	44	10YR 5/6 yellowish brown silt loam	B Horizon	N	
P-3	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
P-3	2	15	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
P-4	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
P-4	2	21	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
P-5	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	stopped by roots
P-5	2	19	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
P-6	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	stopped by water
P-6	2	19	32	10YR 5/6 yellowish brown silt loam	B Horizon	N	
Q-1	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-1	2	20	51	10YR 5/6 yellowish brown silt loam	B Horizon	N	
Q-2	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-2	2	22	45	10YR 5/6 yellowish brown silt loam	B Horizon	N	
Q-3	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-3	2	15	42	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
Q-4	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-4	2	22	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
Q-5	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-5	2	25	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
Q-6	1	0	16	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-6	2	16	25	10YR 5/6 yellowish brown silt loam	B Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
Q-7	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-7	2	15	31	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
Q-8	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-8	2	21	44	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
Q-9	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	stopped by water
Q-10	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-10	2	22	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
Q-11	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	stopped by water
Q-11	2	21	37	10YR 5/6 yellowish brown silt loam	B Horizon	N	
Q-12	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
Q-12	2	17	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
R-1	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
R-1	2	20	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
R-2	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
R-2	2	18	37	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
R-3	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
R-3	2	20	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
R-4	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
R-4	2	17	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	stopped by water
R-5	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
R-5	2	19	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
R-6	1	0	47	10YR 4/3 dull yellowish brown gravelly sand	fill	N	stopped by water adjacent to road
R-7	1	0	24	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
R-7	2	24	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
S-1				not dug in road			
S-2				not dug standing water			
S-3				not dug standing water			
S-4				not dug standing water			
S-5				not dug standing water			
S-6	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	stopped by water
S-7	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
S-7	2	19	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
T-1	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
T-1	2	17	24	10YR 5/6 yellowish brown silt loam	B Horizon	N	
T-1	3	17	40	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	buried A
T-1	4	40	63	10YR 5/6 yellowish brown silt loam	B Horizon	N	
T-2	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
T-2	2	19	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
T-3	1	0	12	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	truncated
T-3	2	12	55	10YR 5/6 yellowish brown silt loam	B Horizon	N	
T-4	1	0	25	10YR 4/3 dull yellowish brown silt loam	A Horizon	Y	1 glass, reburied
T-4	2	25	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
T-5	1	0	18	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
T-5	2	18	50	10YR 5/6 yellowish brown silt loam	B Horizon	N	
T-6	1	0	20	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
T-6	2	20	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
U-1	1	0	22	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
U-1	2	22	45	10YR 5/6 yellowish brown silt loam	B Horizon	N	
U-2	1	0	11	mixed 10YR 4/3 dull yellowish brown /5/4 yellowish brown silt loam	A Horizon	N	
U-2	2	11	57	10YR 5/6 yellowish brown silt loam	B Horizon	N	
U-3	1	0	11	mixed 10YR 4/3 dull yellowish brown /5/4 yellowish brown silt loam	A Horizon	N	
U-3	2	11	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
U-4	1	0	24	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
U-4	2	24	59	10YR 5/6 yellowish brown silt loam	B Horizon	N	
U-5	1	0	26	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
U-5	2	26	62	10YR 5/6 yellowish brown silt loam	B Horizon	N	
V-1	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
V-1	2	21	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
V-2	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
V-2	2	21	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
V-3	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
V-3	2	17	52	10YR 5/6 yellowish brown silt loam	B Horizon	N	
W-1	1	0	36	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
W-1	2	36	60	10YR 5/6 yellowish brown silt loam	B Horizon	N	
W-2	1	0	32	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
W-2	2	32	54	10YR 5/6 yellowish brown silt loam	B Horizon	N	
W-3	1	0	21	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
W-3	2	21	45	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF1.5	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF1.5	2	15	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3	1	0	14	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3	2	14	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 1mN	1	0	10	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 1mN	2	10	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 3mN	1	0	10	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 3mN	2	10	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 1mE	1	0	16	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 1mE	2	16	42	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 3mE	1	0	19	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 3mE	2	19	43	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 1mW	0	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 1mW	2	15	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 3mW	1	0	15	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 3mW	2	15	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF3 8ms	1	0	10	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF3 8ms	2	10	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF4	1	0	11	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4	2	11	44	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF4 1mE	1	0	17	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4 1mE	2	17	46	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF4 3mE	1	0	16	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4 3mE	2	16	42	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF4 1mS	1	0	9	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4 1mS	2	9	45	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF4 3mS	1	0	13	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4 3mS	2	13	48	10YR 5/6 yellowish brown silt loam	B Horizon	N	

STP	Lvl	from (cm)	to (cm)	Soil Description	Soil Interpretation	Artifacts (Y/N)	Comments
SF4 1mW	1	0	11	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4 1mW	2	11	49	10YR 5/6 yellowish brown silt loam	B Horizon	N	
SF4 3mW	1	0	11	10YR 4/3 dull yellowish brown silt loam	A Horizon	N	
SF4 3mW	2	11	47	10YR 5/6 yellowish brown silt loam	B Horizon	N	

Appendix D.
Artifact Catalog

Appendix D.
Artifact Catalog

Cat #.	Provenience	Level	Depth from	to	Qty.	Material	Description / Object	Mass (g)	Comments
1	I-6	1	0	22	1	CHERT	FLAKE FRAGMENT	1.3	
2	I-6/1mN	1	0	20	5	CHERT	FLAKE FRAGMENT	4.3	
3	I-6/1mS	1	0	19	1	CHERT	FLAKE FRAGMENT	2.8	
4	SF-1				1	CHERT	FLAKE FRAGMENT	0.6	
5	SF-2				1	CHERT	FLAKE FRAGMENT	0.3	
6	SF-3				1	GLASS	GREEN HAND BLOWN WINE BOTTLE FRAGMENT	10.2	
7	SF-4				1	CERAMIC	PIPE STEM	4.6	