Mill Seat Landfill Expansion

Facility ID No. 8-2648-00014

Town of Riga, New York

Draft Supplemental Environmental Impact Statement

Attachment H

Archeological Reports and Correspondence

Phase IA and IB (Phase I) Cultural Resource Investigations For the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York

Prepared For

Barton & Loguidice, Inc.
11 Centre Park, Suite 203
Rochester, NY 14614

Revised
June 20th, 2014

By

Powers & Teremy, LLC
Cultural Resource Management Services
P.O. Box 77172
Rochester, NY 14617
Phone: (585) 266-4180
Fax: (585) 544-3121
www.powersteremy.com

REPORT ACKNOWLEDGMENTS

Powers & Teremy, LLC would like to thank Ms. Luann Meyer of Barton & Loguidice, Inc., for her efficient contract administration and helpful communications concerning the details of the project. Paul Powers coordinated the project and served as the field supervisor. Paul Powers, Kyle Somerville, James Pellingra, Matthew Bognaski, Stefanie D'Erasmo, Paige Doerner, and Zach DeLee conducted all subsurface investigations. The site file record check research was conducted by Edward V. Curtin Consulting Archaeology Incorporated at the NYSOPRHP. Kyle Somerville and Paul Powers co-authored the Phase I Cultural Resource Investigations report.

Table of Contents

List of Appendixes

List of Figures

List of Tables

Glossary

Mill Seat Landfill – Currently permitted landfill and associated operations.

Permitted Footprint – The existing 98.6 acres of the Permitted Site allocated for solid waste disposal within a liner system.

Permitted Site – The land on which the Permitted Footprint and associated support features (including stormwater ponds, access roads, and borrow areas) is located, and the land included as part of the lease agreement. The Permitted Site totals 435 acres.

Proposed Action – The Proposed Landfill Expansion and support features (stormwater retention ponds, access roadways, and leachate conveyance infrastructure); the proposed wetland impacts and mitigation; as well as required actions, including extension of the lease agreement between Monroe County and WMNY, abandonment of a portion of O'Brien Road and a portion of Brew Road, County and Town approvals of land transfers, and receipt of noise easements.

Proposed Landfill Expansion or Proposed Mill Seat Landfill Expansion – An addition of contiguous footprint to the south of the Permitted Footprint. This defined term is specific to the Proposed Footprint of an additional 118.3 acres, 39.2 acres of overlay onto the Permitted Footprint, and any support features (stormwater retention ponds, access roads, and leachate conveyance infrastructure).

Proposed Site – The land on which the Proposed Action would be located, including the 435-acre Permitted Site, the Proposed Wetland Mitigation Area, the O'Brien Road turnaround, and any land acquisitions included in the Proposed Action. The Proposed Site totals approximately 977 acres.

Proposed Wetland Mitigation Area –. The parcel is located south of the Permitted Site across Bovee Road and has since been acquired by WMNY. The property is dedicated as remediation to mitigate impacts to wetlands from the Proposed Landfill Expansion.

I. PHASE I MANAGEMENT SUMMARY

Project Name: Phase I Cultural Resource Investigations for the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York.

Project Description: The Proposed Action includes an expansion of the Permitted Footprint and associated support facilities. Overall, the Proposed Landfill Expansion is expected to include 118.3 acres of additional lined landfill directly south of the Permitted Footprint, 39.2 acres of overlay on the existing Mill Seat Landfill, and approximately 30 acres of disturbance associated with additional support facilities for the operation of the Mill Seat Landfill including the landfill berms, access roads, and stormwater management structures. Other actions included with the Proposed Action are the dead-ending of O'Brien Road and abandonment of a portion of Brew Road, up to 90 acres of wetland mitigation. The Proposed Landfill Expansion will be located on the 435 acres currently owned by Monroe County and a portion of the 542 acres owned by Waste Management of New York (WMNY). Approximately a total of 324 acres / 131 hectares may be impacted by the Proposed Action and is considered the Area of Potential Effect (APE).

Project Location: The proposed action is located on Brew Road and Bovee Road within the Town of Riga, Monroe County, New York (043° 02' 56.84"N 077° 55' 53.38"W). The project area can be accessed via Bovee Road and Brew Road.

County: Monroe County

Minor Civil Division Number: 06046 (Riga)

USGS 7.5 Minute Quadrangle Map: 1950 USGS 7.5' Churchville N.Y. Quadrangle (Photorevised 1978)

SEQR Review: Barton & Loguidice, Inc. has requested Phase I Cultural Resource Investigations as part of a State Environmental Quality Review (SEQRA)

Involved State and Federal Agencies: NYSDEC, U.S. Army Corps of Engineers

Survey Area
Acreage: 324 acres / 131 hectares
Depth: Undetermined
Number of Acres Surveyed: 324 acres / 131 hectares

Archaeological Survey Overview
Number & Interval of Shovel Tests: 362 at 15 m / 50 ft, 7.5 m / 25 ft and 2.5 m / 8 ft
Number & Size of Units: NA
Width of Plowed Strips: Entire Fields Plowed and Disked
Surface Survey Transect Interval: Entire fields walked ;technicians spaced a maximum of 10-ft / 3.3-m apart

Results of Archaeological Survey
Closest Known Archaeological Site to the APE: 05515.000011, c. 1830 Domestic Site, 197 m / 646 ft
Native American Burials Less Than ¼ Mile from APE: 0
Number & Name of prehistoric sites identified: ; Mill Seat Landfill #2 Site
Number & Name of historic sites identified: 4; Jones Site, Menzie/Maher Site, Campbell/Menzie Site, Menzie Site
Number & Name of sites recommended for Phase II/Avoidance: 3; Mill Seat Landfill #2 Site, Menzie Site, Campbell/Menzie Site

Results of Architectural Survey
Number of buildings/structures/cemeteries within project area (APE): 1
Number of buildings/structures/cemeteries adjacent to project area (APE): 2

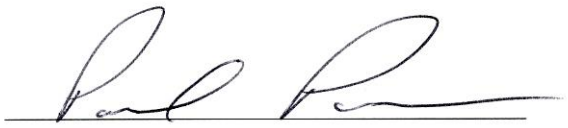
SRHP/NRHP Historical Review
Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: 0
Number of identified eligible building/structures/cemeteries/districts: 1

Recommendations of Phase I Cultural Resource Investigations: These Cultural Resource Investigations were performed only for the APE required for the Mill Seat Landfill Proposed Action. Based upon these results, Powers & Teremy, LLC Cultural Resource Management Company recommends that additional archaeological investigations or avoidance is warranted.

Report Authors: Kyle Somerville and Paul Powers

Date of Report: June 20, 2014

Report Prepared By:

Mr. Paul Powers 

Mr. Kyle Somerville 

II. PHASE I PROJECT INFORMATION

Powers & Teremy, LLC was contracted by Barton & Loguidice, Inc., on behalf of the Waste Management of New York, LLC, to perform Phase I Cultural Resource Investigations for the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York. The southern portion of proposed action is located on the south side of Bovee Road, and can be accessed via Bovee Road. The northern portion of the project is bisected by Brew Road, and can be accessed from that road. The Proposed Action includes an expansion of the Permitted Footprint and associated support facilities. Overall, the Proposed Landfill Expansion is expected to include 118.3 acres of additional lined landfill directly south of the Permitted Footprint, 39.2 acres of overlay on the existing Mill Seat Landfill, and approximately 30 acres of disturbance associated with additional support facilities for the operation of the Mill Seat Landfill including the landfill berms, access roads, and stormwater management structures. Other actions included with the Proposed Action are the dead-ending of O'Brien Road and abandonment of a portion of Brew Road, up to 90 acres of wetland mitigation. The Proposed Landfill Expansion will be located on the 435 acres currently owned by Monroe County and a portion of the 542 acres owned by Waste Management of New York (WMNY). Approximately a total of 324 acres / 131 hectares may be impacted by the Proposed Action and is considered the Area of Potential Effect (APE). It should be noted that sections of the APE were previously investigated by Robert Dean in 2010 (Dean 2010). The Phase I Cultural Resource Investigations included Phase IA background research, field reconnaissance, and Phase IB archaeological testing.

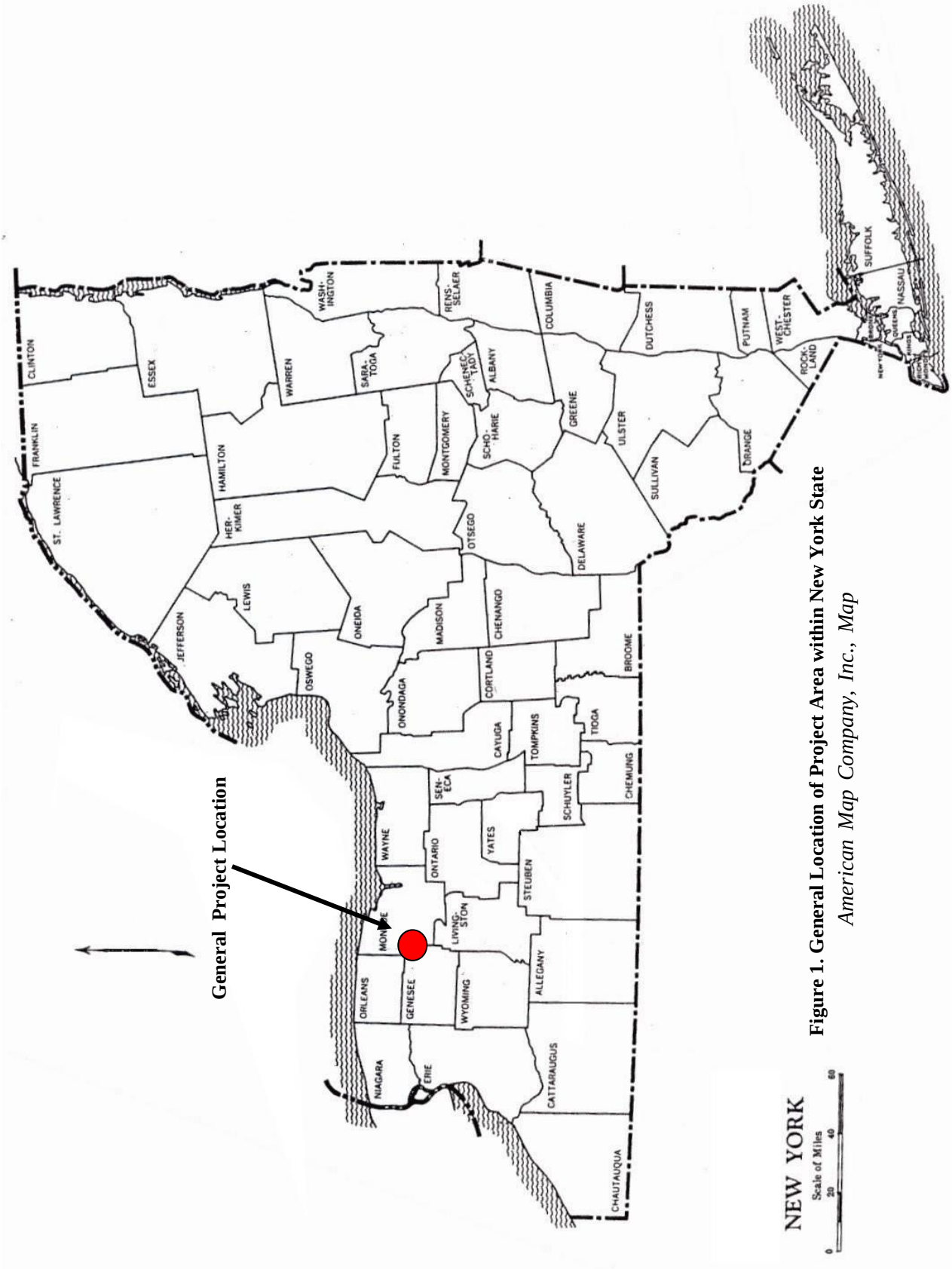


Figure 1. General Location of Project Area within New York State

American Map Company, Inc., Map

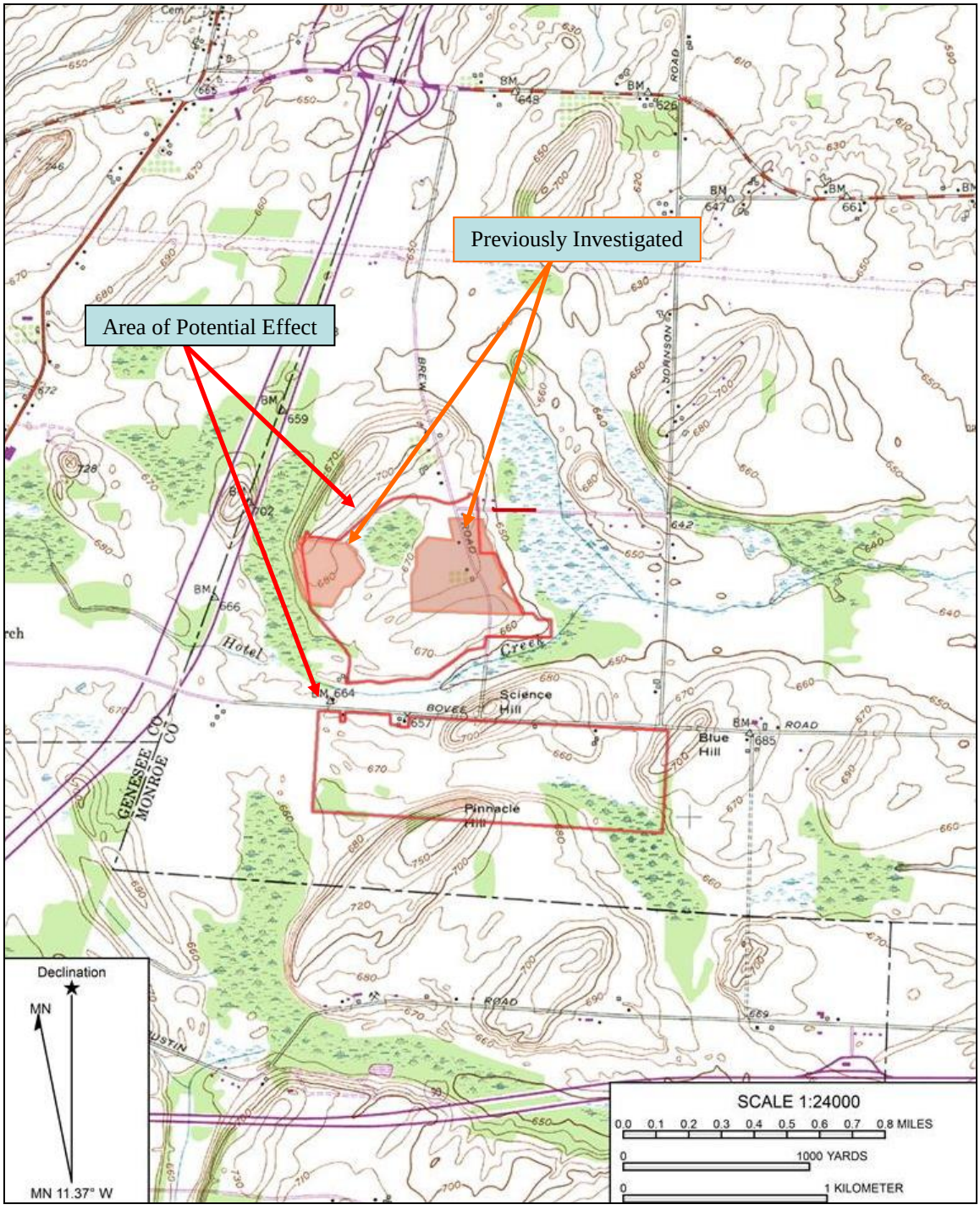


Figure 2. Area of Potential Effect on the 1950 USGS 7.5' Churchville N.Y. Quadrangle (Photorevised 1978)

III. ENVIRONMENTAL INFORMATION

Topography and Geology

The Proposed Site is located in the southwestern section of Monroe County, New York in the Erie-Ontario Lake Plain Region. Elevations within Monroe County range from 246-ft AMSL at Lake Ontario to a maximum elevation of approximately 900-ft AMSL on areas of drumlin relief within the county (USDA 1973:168). Relief varies greatly within the APE ranging from 662-ft to 767-ft AMSL.

The topography of this area had been cut by streams since the time the region was invaded by glacial ice from the north. During the Wisconsin glaciation of the Pleistocene epoch, ice blanketed the entire area of New York State. Ice erosion on this landscape rounded the existing hills, deepened the valleys, and steepened the valley walls in the southern parts of the area. Glacial deposits added the drumlins and kame moraines. The rock formations beneath Monroe County are the source of the parent material for the soils. Monroe County is underlain by sedimentary glacial bedrock. Queenston Shale is the oldest bedrock formation in Monroe County, deposited 410 million years ago during the final stages of the Ordovician.

Soils

Soils in Monroe County have developed in the period since glaciation and formed through the interaction of climate, living organisms, parent materials, topography, and time. The soils in Monroe County were formed under a cool-humid climate, aiding in the organic growth found in the surface layer. Most of the organic matter was provided by the extensive forests that once covered the region. Differences among soils in Monroe County are the result of variation in parent materials and topography. The parent materials that created the soils in Monroe County are glacial till, glacial outwash, glacio-lacustrine materials, recent alluvium, and organic materials.

Alluvial land/soil are sections of nearly level, recent unconsolidated deposits on flood plains. The deposits are generally stratified and range in matrix texture from gravel to sand and clay. Drainage commonly encountered in alluvial soils is generally poor to very poor in nature. Colluvium consisting of soil and/or rock travels down slope by gravity. This "slope wash" may, in some cases bury an A Horizon, a culturally rich soil layer.

There are twenty soil types found within the APE, including the Brockport, Cayuga, Churchville, Honeoye, Lakemont and variants, Lima, Muck, Ontario, Palmyra, in the sections of the APE adjacent to Brew Road; and Appleton, Benson, Brockport, Canandaigua, Churchville, Edwards, Freshwater marsh, Hilton, Honeoye/limestone substratum, Lima, Cazenovia, Ontario, Pits and quarries, Riga, Sun, and Wampsville soil series in the sections of the APE south of Bovee Road.

These soils were primarily formed from glacial outwash or on lake plains, and are somewhat poorly to well drained (Figure 3 and Table 1). The proposed APE for these cultural investigations contains one alluvial soil from the Wampsville soil series, comprising less than 1% of the APE.

Figure 3. Area of Potential Effect on the NRCS Web Soil Survey (2013)

Table 1. Soils Within the Area of Potential Effect

Soil Name	Soil Horizon Depth cm (in)	Soil Color	Soil Texture Inclusions	Slope Percent	Drainage	Landform
Appleton loam (ApA)	Ap 0-20 cm (0-8 in) E 20-41 cm (8-16 in) Bt 41-76 cm (16-30 in) C1 76-137 cm (30-54 in) C2 137-183 cm (54-72 in)	V DkGBrn LiBrn RBrn Rd Gry Rd Brn	Si Lo Lo Grl Si Lo F Grl Si Lo F Grl Si Lo	0-3	Somewhat poor	Drumlins, till plains
Benson channery loam (BcB)	Oi 0-3cm (0-1 in) A 3-15 cm (1-6 in) Bw1 15-28 cm (6-11 in) Bw2 28-48 cm (11-19 in) R 48 cm (19 in)	Litter DkGBrn Brn DkGBrn DkGry	Twigs/leaves Si Lo Chn Si Lo V Chn Si Lo Limestone	0-8	Somewhat excessive	Benches, ridges, till plains
Brockport silty clay loam (BrA)	Ap 0-13 cm (0-5 in) Eg 13-23 cm (5-9 in) Bt 23-46 cm (9-18 in) BCg 46-69 cm (18-27 in) 2R 69-91 cm (27-36 in)	DkGBrn Gry OBrn GBrn O	Si Cl Lo Si Cl Lo Cl Cl Shale	0-2	Somewhat poor	Benches, ridges, till plains
Canandaigua silt loam (Ca)	Ap 0-20 cm (0-8 in) Bg1 20-30 cm (8-12 in) Bg2 30-48 cm (12-19 in) BC 48-76 cm (19-30 in) C 76-183 cm (30-72 in)	V DkGry LiBrn Gry Gry LiBrn Gry Gry/LiBrn	Si Lo Si Lo Si Lo Si Lo/VF Sa Lo	0-2	Very poor	Depressions
Cayuga silt loam (CeB)	Ap 0-20 cm (0-8 in) E 20-30 cm (8-12 in) Bt 30-64 cm (12-25 in) 2C1 64-81 cm (25-32 in) 2C2 81-124 cm (32-49 in) 2C3 124- 183 cm (49-72 in)	DkGBrn Brn RBrn Brn Brn Brn	Si Lo Si Lo Si Cl Lo Grl F Sa Lo Grl Lo	2-6	Moderately well	Lake plains, till plains
Churchville silt loam (ChA)	Ap 0-23 cm (0-9 in) E 23-28 cm (9-11 in) B/E 28-38 cm (11-15 in) Bt 38-66 cm (15-26 in) 2C 66-203 cm (26-80 in)	V DkGBrn PGry RBrn RBrn RdGry	Si Lo Si Lo Si Cl Lo Si Cl Grl Lo	0-2	Somewhat poor	Lake plains, till plains
Edwards muck (Ed)	Oa1 0-17 cm (0-7 in) Oa2 17-28 cm (7-11 in) Oa3 28-43 cm (13-17 in) Oa4 43-61 cm (17-24 in) Lma1 61-102 cm (24-40 in) Lma2 102-216 cm (40-85 in)	Blk DkRedBrn DkRBrn Blk V Dk Gry/DkRBrn Gry	Mu Fa/Mu Fa/Mu Fa/Mu Ma Si Cl Lo Ma Si Lo	0-2	Very poor	Swamps, marshes
Freshwater marsh (Fw)	NA	NA	NA	0-1	Very poor	Depressions
Hilton loam (HlA, H1B)	Ap 0-23 cm (0-9 in) E 23-43 cm (9-17 in) B/E 43-61 cm (17-24 in) Bt 61-91 cm (24-36 in) C1 91-137 cm (36-54 in) C2 137-183 cm (54-72 in)	DkGBrn Brn RBrn RBrn RBrn Brn	Lo Lo Grl Lo Grl Lo Grl Lo Grl Lo	0-8	Moderately well	Drumlins, till plains
Honeoye silt loam (HnB)	Ap 0-20 cm (0-8 in) E 20-25 cm (8-10 in) Bt/E 25-36 cm (10-14 in) Bt1 36-58 cm (14-23 in) Bt2 58-74 cm (23-29 in) C 74-183 cm (29-72 in)	Dk GBrn Brn Brn Brn Brn DkGBrn	Si Lo Si Lo Lo Lo Grl Lo Grl Lo	3-8	Well	Drumlins, till plains

Table 1. Soils Within the Area of Potential Effect continued….

Soil Name	Soil Horizon Depth cm (in)	Soil Color	Soil Texture Inclusions	Slope Percent	Drainage	Landform
Honeoye silt loam, limestone (HoB)	Ap 0-20 cm (0-8 in) E 20-25 cm (8-10 in) Bt/E 25-36 cm (10-14 in) Bt1 36-58 cm (14-23 in) Bt2 58-74 cm (23-29 in) C 74-183 cm (29-72 in)	Dk GBrn Brn Brn Brn Brn DkGBrn	Si Lo Si Lo Lo Lo Grl Lo Grl Lo	3-8	Moderately well	Drumlins, till plains
Lakemont silt loam (Le)	Ap 0-20 cm (0-8 in) Btg1 20-61 cm (8-17 in) Btg2 61-66 cm (17-26 in) C 66-152 cm (26-60 in)	Blk Gry PGry DkRdGry/RBrn	Si Lo Si Cl Si Cl Si Cl Lo	0-2	Poor	Depressions
Lima silt loam (LnA, LnB)	Ap 0-23 cm (0-9 in) Bt/E 23-30 cm (9-12 in) Bt1 30-41 cm (12-16 in) Bt2 41-64 cm (16-25 in) C 64-183 cm (25-72 in)	DkGBrn Brn Brn Brn GBrn	Lo Lo Lo Grl Lo Grl Lo	0-3	Moderately well	Drumlins, till plains
Lima and Cazenovia silt loams (LoB)	Ap 0-23 cm (0-9 in) Bt/E 23-30 cm (9-12 in) Bt1 30-41 cm (12-16 in) Bt2 41-64 cm (16-25 in) C 64-183 cm (25-72 in)	DkGBrn Brn Brn Brn GBrn	Lo Lo Lo Grl Lo Grl Lo	0-6	Moderately well	Drumlins, till plains
Muck, shallow (Ms)	NA	NA	NA	0-2	Very poor	Swamps, marshes
Ontario fine sandy loam (OfC)	Ap 0-20 cm (0-8 in) E 20-36 cm (8-14 in) Bt/E 36-53 cm (14-21 in) Bt 53-74 cm (21-39 in) C1 74-122 cm (39-48 in) C2 122-183 cm (48-72 in)	DkBrn Brn Brn RBrn Brn Brn	Lo Lo Lo Grl Lo/F Sa Lo Grl Lo Grl Lo	3-8	Well	Drumlins, till plains
Ontario loam (OnB, OnC, OnC3, OnD3, OnF3)	Ap 0-20 cm (0-8 in) E 20-36 cm (8-14 in) Bt/E 36-53 cm (14-21 in) Bt 53-74 cm (21-39 in) C1 74-122 cm (39-48 in) C2 122-183 cm (48-72 in)	DkBrn Brn Brn RBrn Brn Brn	Lo Lo Lo Grl Lo Grl Lo Grl Lo	3-60	Well	Drumlins, till plains
Palmyra gravelly loam (PaB)	Ap 0-23 cm (0-9 in) E 23-28 cm (9-11 in) Bt/E 28-38 cm (11-15 in) Bt 38-61 cm (15-24 in) 2C 61-152 cm (24-60 in)	DkGBrn GBrn Brn Brn GBrn	Grl Lo Grl Lo Grl Lo Grl Sa Cl Lo Grl/Sa	3-8	Well	Deltas, outwash plains, terraces

Table 1. Soils Within the Area of Potential Effect continued….

Soil Name	Soil Horizon Depth cm (in)	Soil Color	Soil Texture Inclusions	Slope Percent	Drainage	Landform
Pits and quarries (Pu)	NA	NA	NA	NA	NA	NA
Riga silt loam (RgB)	Ap 0-18 cm (0-7 in) E 18-36 cm (7-14 in) 2t1 36-43 cm (14-17 in) 2t2 43-74 cm (17-29 in) R 74-152 cm (29-60 in)	DkGBrn YBrn Brn/DkBrn LiOGry-LiGry LiOGry-LiGry	Grl Si Lo Grl Si Lo Cl Lo-Si Cl Lo Cl Lo-Cl Cl Shale	2-8	Moderately well	Benches, ridges, till plains
Sun loam, moderately shallow variant (St)	Ap 0-23 cm (0-9 in) Bg 23-46 cm (9-18 in) Bw 46-91 cm (18-36 in) Cd 91-183 cm (36-72 in)	V DkGry Gry Brn Brn	Lo Grl F Sa Lo Grl F Sa Lo Grl F Sa Lo	0-3	Poor	Depressions
Wampsville cobbly loam (WcC)	Ap 0-20 cm (0-8 in) E 20-30 cm (8-12 in) Bt/E 30-41 cm (12-16 in) Bt1 41-61 cm (16-24 in) Bt2 61-81 cm (24-32 in) C1 81-114 cm (36-45 in) 2C2 114-183 cm (45-72 in)	Brn RBrn RBrn RBrn DkRBrn DkRGry Brn	Grl Si Lo Grl Lo Grl Cl Lo Grl Cl Lo Grl Cl Lo Grl Lo V Grl Lo	8-15	Well	Valley trains, terraces

KEY: **Shade:** Dk-Dark, Li-Light, V-Very

Color: Brn-Brown, Blk-Black, Gry-Gray, GBrn-Gray Brown, O-Olive, PBrn-Pale Brown, PGry-Pinkish Gray, StrBrn-Strong Brown, RBrn-Red Brown, RGry-Red Gray, YBrn-Yellow Brown

Soils: Cl-Clay, Lo-Loam, Si-Silt, Sa-Sand

Other: Br-Bedrock, Cbs-Cobbles, Chn-Channery, F-Fine Grl-Gravel, M-Mottled, Ma-Marly, Pbs-Pebbles, Rts-Roots, Str-Stratified

Disturbance
Visual inspection of the area delineated as the APE for the Proposed Action reveals little man-made or natural disturbances. The farmland making up a significant portion of the APE was plowed and disked prior to excavation (Appendix II).

Climate
Monroe County generally experiences warm summers and long cold winters. The climate of Monroe County is a humid continental climate. Yearly precipitation is about 32 inches in the southeastern quarter of the county. Approximately 40 to 45 percent of the annual precipitation is received during the growing season, May through September. Temperature and atmospheric conditions can change quite drastically within a few days due to the county's location in the path of most major weather systems that travel across the continent or up the Atlantic coast. Lake Erie and Lake Ontario have an important effect on the climate of Monroe County. Lake Ontario provides a classic moderating effect on the local temperatures, helping to cool in the summer and warm in the fall.

Forest Zone
When peoples first arrived in the central part of New York State, most of Monroe County was covered with a forest, with a few large open areas such as marshlands. Tree growth in Monroe County depended on the soil type and drainage. In the wetter parts of Monroe County the land supported trees such as birch, beech, ash, elm, maple, willow, and hemlock. Today few if any virgin timber areas remain in the county. Some of the more common species of weeds that reside in untended fields are goldenrod, ragweed, and Queen Anne's lace (USDA 1973:166). Presently, vegetation within the APE consists of large areas of fallow farm fields, wetland, and tertiary forest.

Drainage
Streams within Monroe County generally flow in a northeasterly direction and empty into Lake Ontario. Drainage for the Proposed Site is provided by tributaries which flow into the Genesee River. The Genesee River originates in the uplands of Pennsylvania and flows northward to Lake Ontario. Its is fed by a number of tributaries, including Black Creek, located less than four (4) miles from the Proposed Site. The 125-square mile Black Cree watershed is a sub-watershed of the Genesee River and its drainage area include the Proposed Action and nearby towns of Riga, Chili, Wheatland, Sweden, and Ogden in Monroe County, as well as a large portion of eastern Genesee County. Black Creek is in turn fed by a number of sub-tributaries, including Hotel Creek (NYSDEC Water Index No. Ont. 117-19-9) and its tributary b (NYSDEC Water Index No. Ont. 117-19-9-b), to which the Mitigation Area drains to the southeast through a series of mapped wetland complexes and into Tributary 2, the Blue Pond Inlet (NYSDEC Water Index No. 117-19-4-P11-1-2), which eventually flows into Black Creek in the town of Chili. Eventually these waters empty into Lake Ontario. Waters from Lake Ontario find their way to the Atlantic Ocean via the St. Lawrence River.

Faunal Community
The general environmental setting of the APE supports the typical array of animal species seen throughout suburban areas of western New York. These include white-tailed deer, opossum, squirrel, and raccoon. Early inhabitants of the western section of New York State would have been able to hunt black bear, white-tailed deer, elk, wild turkey, pheasants, pigeons, water fowl, beaver, raccoons, possum, otter, rabbit, squirrel, and gray fox, as sources of food, fur, and raw materials used in tool manufacturing, common amenities, and for trade. Salmon, trout, perch and pike were also additional food sources.

Man-Made Features / Alterations
The APE for the Proposed Action contains several man-made features and alterations. These include plowed and disked farm fields as well as plastic water piping located in several of the fields. In addition, several residences are located adjacent to various sections of the APE (Appendix I).

IV. BACKGROUND RESEARCH

Site File Research

A site file records check encompassing a one-mile radius from the general project area was completed at the New York State Office of Parks, Recreation and Historic Preservation, and at the New York State Museum. The site file check revealed the presence of twenty previously known sites with or adjacent to the APE. These range from 19th - 20th century domestic sites to lithic scatters to burials. These are summarized in Table 2:

Table 2. Sites Located Within a One-Mile Radius of the Area of Potential Effect

NYSOPRHP Site #	Additional Site #	Distance to APE m(ft)	Time Period	Site Type
03709.000039	Follett 79A, Mac Ann #2	789 (2589)	Unidentified precontact	Surface evidence
05515.000010	Campbell-McCormick Site #1 (Bgn 38)	332 (1089)	c. 1830	Domestic
05515.000011	Campbell-McCormick Site #2 (Bgn 39)	197 (646)	c. 1852	Domestic
05515.000012	Riga Landfill Isolated Artifact #1 (Bgn 40)	316 (1037)	Probably Archaic	Isolated find
05515.000013	Riga Landfill Isolated Artifact #2 (Bgn 41)	878 (2881)	Unidentified precontact	Isolated find
03704.000036	P&T Genesee 001, Apple Tree Site 001	1416 (4646)	19th-20th century	Maple syrup evaporator
03704.000037	P&T Genesee 002, Apple Tree Site 002	1502 (4928)	20th century	Maple syrup evaporator
03704.000038	P&T Genesee 003, Apple Tree Site 003	1579 (5180)	19th-20th century	Refuse scatter
	NYSM 2662, Bgn 18-3 RMSC	1477 (4846)	Unidentified precontact	Burial site
	NYSM 2661, Mac Ann, Bgn 2-3 RMSC	887 (2910)	Late Woodland?	Burial site
05515.000048	Brew Road East #1	Adjacent to APE	Probably Archaic	Stray find
05515.000049	Brew Road East #2	Adjacent to APE	Probably Archaic	Stray find
05515.000050	Brew Road West #1	Adjacent to APE	Probably Archaic	Stray find
05515.000051	Brew Road West #2	Adjacent to APE	Probably Archaic	Lithic scatter
05515.000052	Brew Road West #3	Adjacent to APE	Probably Archaic	Lithic scatter
05515.000053	Brew Road West #4	Adjacent to APE	Probably Archaic	Lithic scatter
05515.000054	Mill Seat West Area Stray Find	Adjacent to APE	Unidentified prehistoric	Stray find
05515.000055	Brew Historic #1	Adjacent to APE	19th-20th century	Historic scatter
05515.000056	Brew Historic #2	Adjacent to APE	19th-20th century	Historic scatter
05515.000057	Brew Historic #3	Adjacent to APE	19th-20th century	Historic scatter

SRHP/NRHP Research and Previous Surveys

According to the website for the National Register of Historic Places, and the NYSOPRHP project review files there are no historic structures surrounding the general vicinity of the Proposed Site that are listed on the State and National Registers of Historic Places (www.nps.gov/nr). Powers & Teremy, LLC also completed a search for previous archaeological surveys conducted within a one-mile radius of the APE. Information gathered from the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) office revealed that there were four archaeological surveys previously conducted within a one-mile radius of the project area. These are summarized in Table 3.

Table 3. Surveys Previously Conducted Within a One-Mile Radius of the Area of Potential Effect

Report Title	Author	Associated Sites
2010 Phase 1 Cultural Resource Investigation Mill Seat Landfill Facility Soil Borrow Area, Town of Riga, Monroe County, New York	Dean, Robert L.	A05515.000048-57
2008 Phase I Cultural Resource Investigation for the Proposed Apple Tree Acres Development, Town of Bergen, Genesee County, New York.	Powers & Teremy, LLC	P&T Genesee 001, Apple Tree Site 001; P&T Genesee 002, Apple Tree Site 002; P&T Genesee 003, Apple Tree Site 003
1985 Stage IB Cultural Resource Investigation for the Proposed Monroe County Landfill, Town of Riga, Monroe County, New York.	Cowan, Frank L.	No Associated Sites
1956 Archaeology of the Counties of Monroe, Ontario, Livingston and Genesee, New York. Unpublished Manuscript on file at the RMSC Research Division.	Follett, Harrison C.	Follett 79A, Mac Ann #2

Prehistoric Sensitivity Assessment

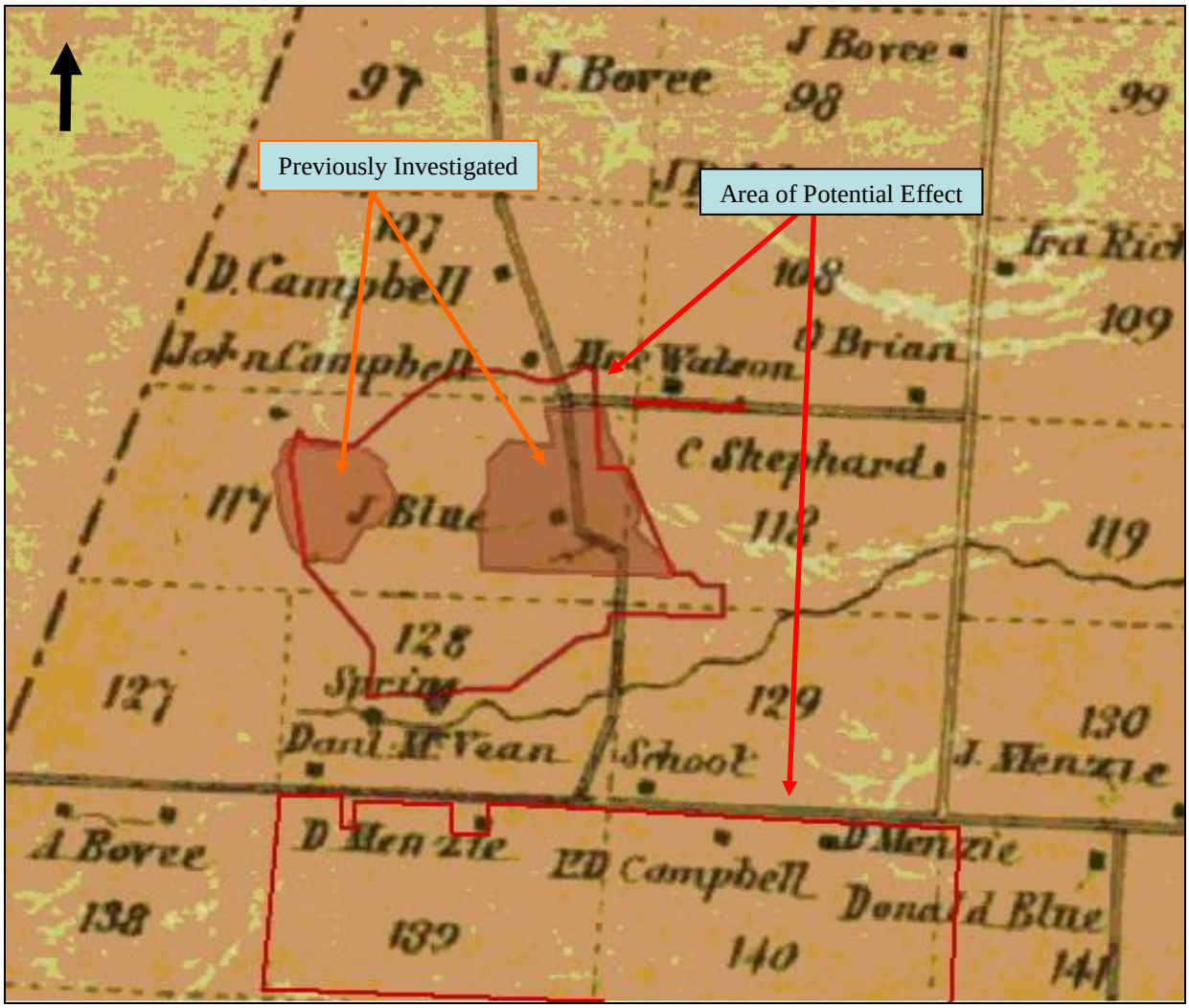
The fertile soils within the APE, and availability of natural resources would have provided a suitable area for Native peoples to utilize. Native American sites types likely to be encountered within the proposed action area could range from small camps/resource procurement sites and "traces of occupation," consisting of very diffuse surface scatters of lithic material, to larger habitation and seasonal campsites.

Historic Sensitivity Assessment

Project-specific historical development is based upon historic maps and atlases. There are three extant historic structures and two Map Documented Structures (MDS) present within or adjacent to the APE that were not included in previous surveys. These include residences and outbuildings related to farming and other agricultural activities. The extant and Map Documented structures are summarized below (Table 4). Given that intensive farming was practiced within the APE for over one hundred years, it is possible that historic material encountered within the APE will be found *in situ* and/or as the result of secondary deposition.

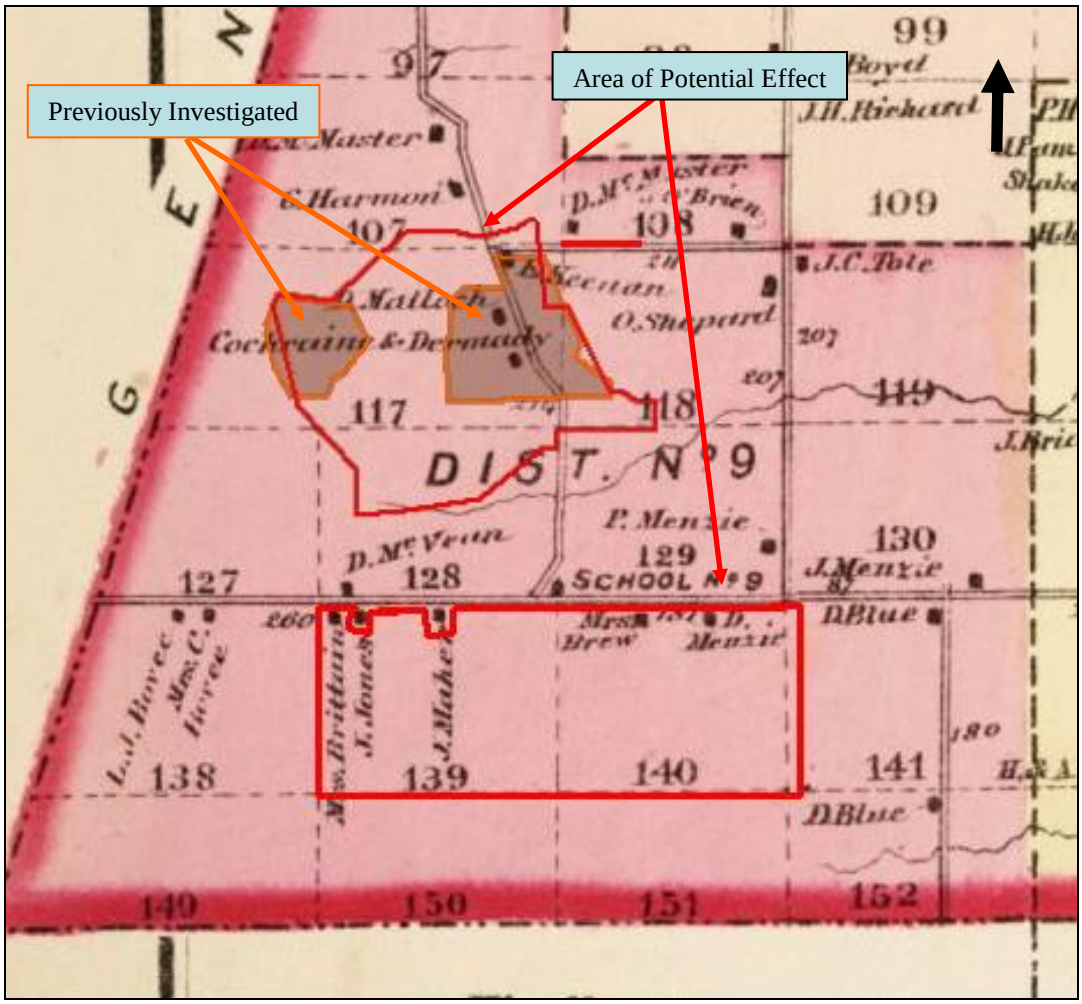
Table 4. Extant and Map Documented Structures Within the Area of Potential Effect

Address/Lot #	Location	1858 Gillette Map	1872 Beers Map	1887 Beers Map	1902 Lathrop Map	1924 Hopkins Map	Photo #
#515 Bovee Road	South of Bovee Road	D. Menzie, 1 structure	D. Menzie, 1 structure	P. Menzie, 1 structure	Peter J. Menzie, Maple Grove Stock Farm, 1 structure	H.J. Menzie, 2 structures	3,32,33
Map Documented Structure	West of #515 Bovee Road	P.D. Campbell, 1 structure	Mrs. Brew, 1 structure	P. Menzie, 1 structure	Peter J. Menzie, Maple Grove Stock Farm, 1 structure	H.J. Menzie, 1 structure	5,6
#711 Bovee Road	East of #845 Bovee Road	D. Menzie, 1 structure	J. Maher, 1 structure	No structure	No structure	Walter Maher 2 structures	34
#845 Bovee Road	Southwest quadrant of APE, south side of Bovee Road	No structure	J. Jones, 1 structure	J. Jones, 1 structure	Mary Jones, 1 structure	No Name	15-18
Map Documented Structure	Southwest quadrant of APE, south side of Bovee Road	No structure	Mrs. Brittain, 1 structure	Mrs. Brittain 1 structure	M. Britton, 1 structure	No Structure	19



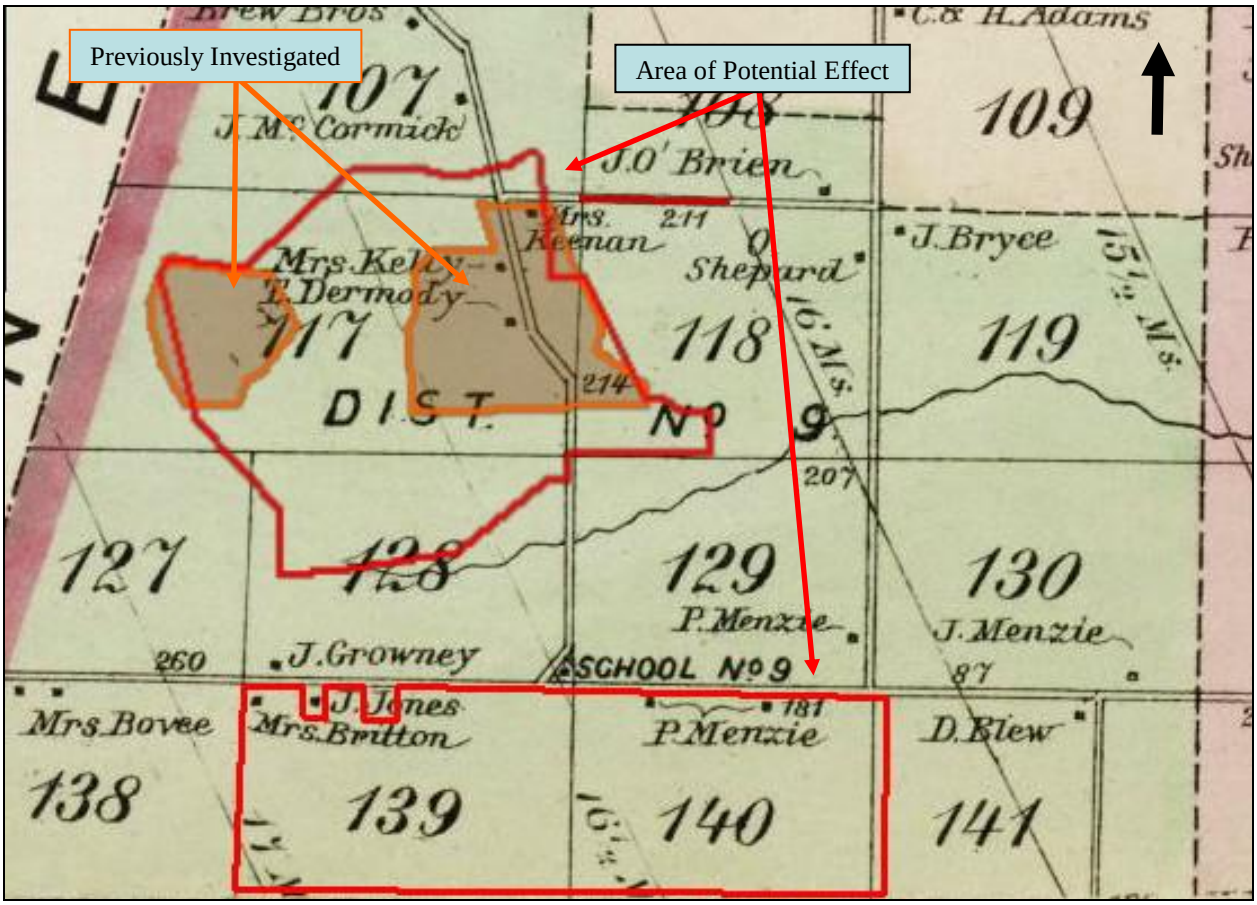
Not to Scale

Figure 4. Area of Potential Effect on the 1858 J.E. Gillette *Map of Monroe County New York*



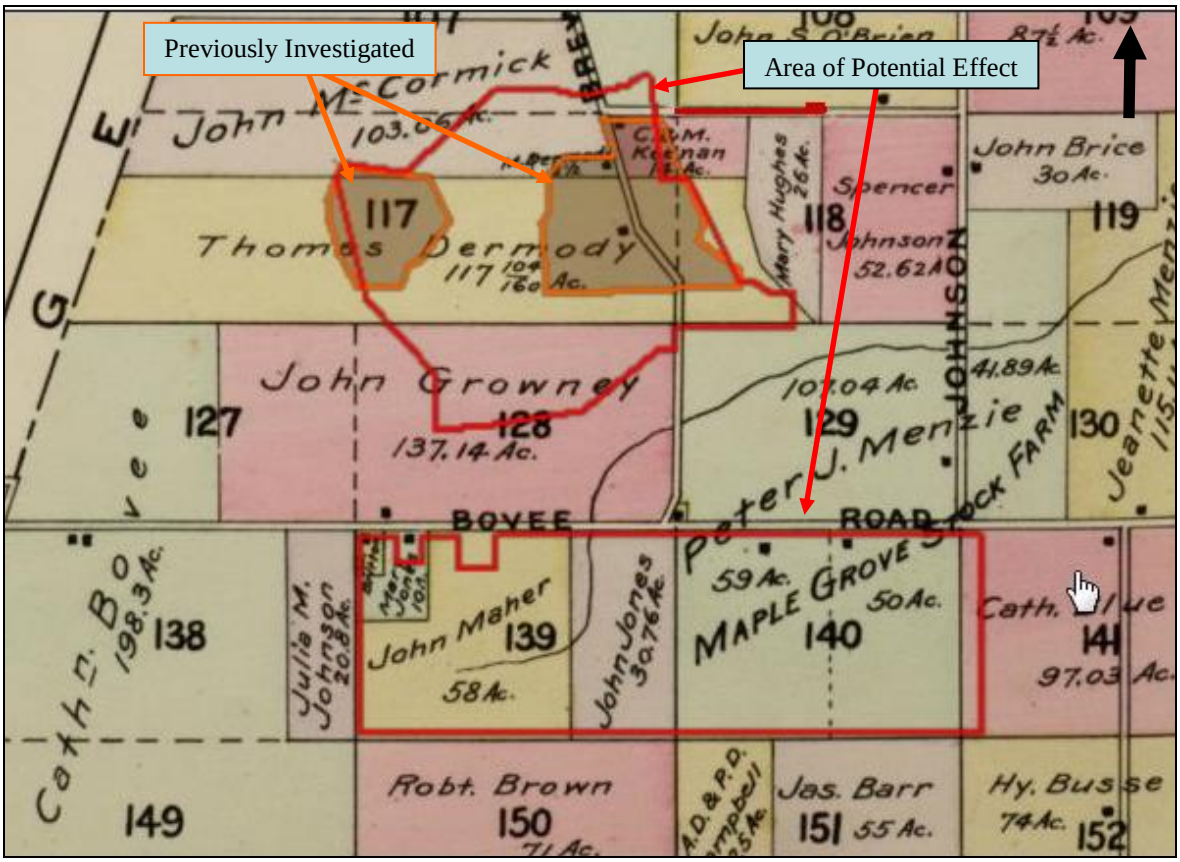
Not to Scale

Figure 5. Area of Potential on the 1872 F.W. Beers Atlas of Monroe County, New York



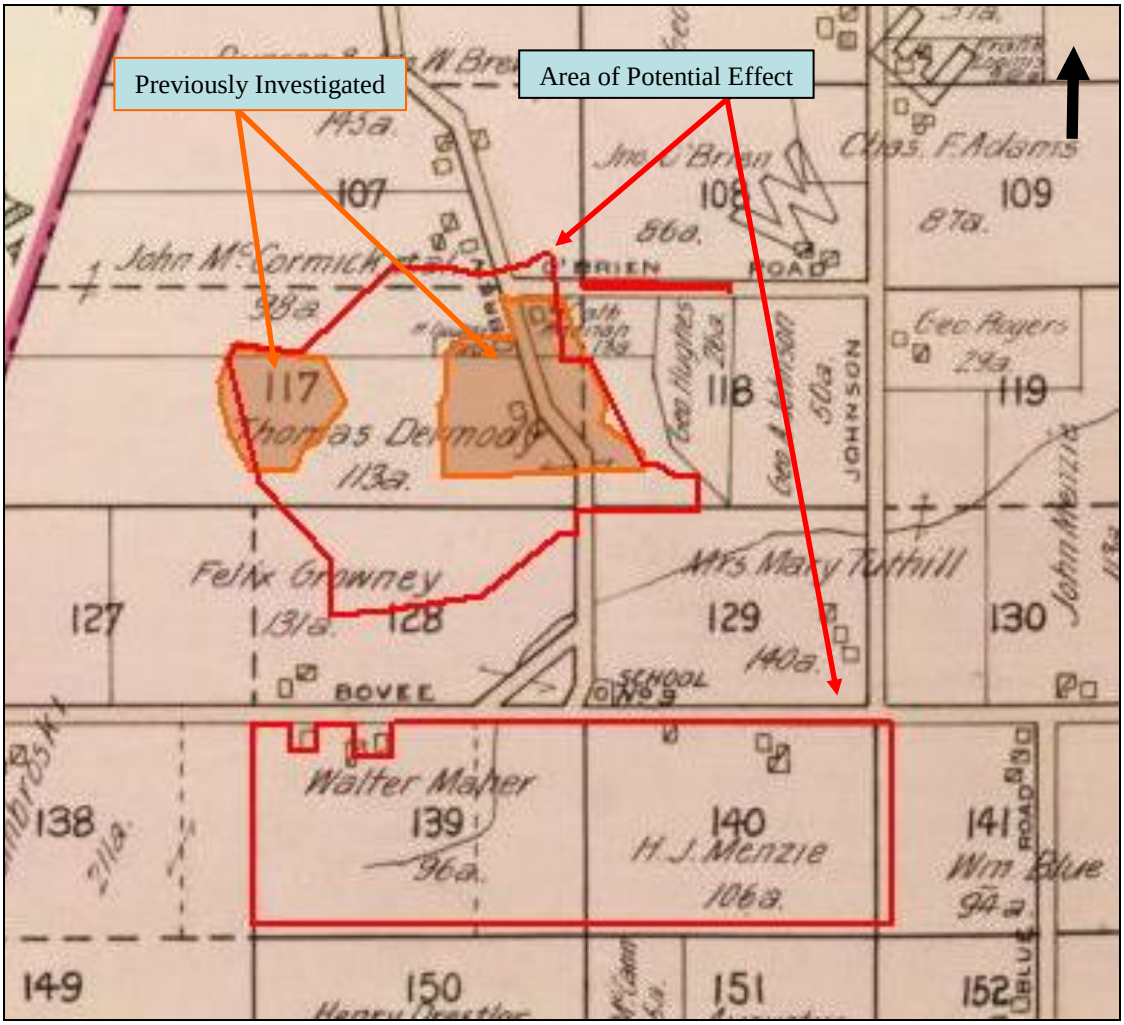
Not to Scale

Figure 6. Area of Potential Effect on the 1887 J.B. Beers *Map of Monroe County, New York*



Not to Scale

Figure 7. Area of Potential Effect on the 1902 J.M. Lathrop *Plat book of Monroe County, New York*



Not to Scale

Figure 8. Area of Potential Effect on the 1924 G.M. Hopkins *Plat book of Monroe County, New York*

V. PHASE IB ARCHAEOLOGICAL INVESTIGATIONS

Archaeological Survey Team/Date
The Powers & Teremy, LLC archaeological field team consisted of Paul Powers, field supervisor, and Kyle Somerville, Matthew Bognaski, James Pellingra, Stefanie D'Erasmo, Paige Doerner, and Zach DeLee, field technicians. The Phase I testing was conducted in June and July of 2013.

Ground Conditions
Physical conditions consist of plowed and disked farmland and densely wooded areas, including substantially elevated areas in the southern portion of the APE (Appendix II).

Field Methodology
Powers & Teremy, LLC conducted an on-site assessment of the APE. The site visit included a visual examination of the APE to ascertain whether any sections showed evidence of prior disturbance or excessive slope. Based upon observed conditions, a majority of the APE were deemed testable using standard Phase IB testing methods, though some areas consisted of slope exceeding 15%, or were covered with standing water (Appendix I).

The Phase IB field investigations strategy for this project consisted of walkover reconnaissance and shovel testing of the 324 acres / 131 hectares that comprise the APE (Appendix I). Shovel test placement was determined using project maps provided to Powers & Teremy, LLC, research completed during previous Phase IA investigations, and conditions observed during the initial field inspection. The areas of open field that were plowed and disked were investigated utilizing linear transects. Field technicians were spaced a maximum of 10-ft / 3.3-m in width. Shovel test units were plotted at 15m / 50-ft intervals or less. Transects were oriented with a magnetic compass and paced out depending on the project area field conditions. Shovel tests were excavated by hand, and measured 30-cm x 30-cm / 1 ft x 1 ft. Each test was excavated to sterile subsoil or until evidence of disturbance was adequately documented to depths of at least 50 cm. All soils excavated were screened through ¼-inch metal mesh to recover any cultural material that may have been present. All soil types and textures were recorded in field notebooks. Documentation of existing conditions within the specific project area as well as that of general vicinity was accomplished through photography (Appendix II).

Artifact Descriptions
A total of 291 artifacts from six functional categories were recovered from nine shovel tests and surface collection during these Phase I excavations. Artifacts recovered belong to six functional categories: Architectural (23%), Kitchen (56%), Faunal (4%), Lithic (15%), and Miscellaneous (2%). Artifacts were recovered from five sites within the APE.

Mill Seat Landfill Site #2
The Mill Seat Landfill Site #2 is a prehistoric site comprised of four loci situated throughout varying sections of the APE north of Bovee Road (Appendix I). Walkover reconnaissance was conducted within farm fields where the four loci are found. Locus I is located in the northeastern quadrant of the APE, north of Bovee Road and west of Brew Road, and is comprised of 2 find spots. Locus I measures approximately 31,799-ft^2 / 2,954-m^2. Locus II is located in the southwest-central section of the APE, and contains 3 find spots. Locus II measures approximately 43,560-ft^2 / 4,047-m^2. Locus III is located in the northeastern quadrant of the APE on the west side of Brew Road, and contains 4 find spots. Locus III measures approximately 40,075-ft^2 / 3,723-m^2. Locus IV is located in northeast quadrant of the APE, on the eastern boundary, and is comprised of 14 find spots. Locus IV measures approximately 42,558-ft^2 / 3,957-m^2. Tables 5, 6, and 7 summarize all find spots associated with specific loci within the Mill Seat Landfill Site #2, artifacts encountered, and artifact categories represented within the site boundaries.

There were a total of 34 artifacts recovered from 25 separate surface find spots within the four loci comprising the Mill Seat Landfill Site #2. Artifacts recovered from the Mill Seat Landfill Site #2 belong to four separate artifact categories, including Chert Flakes (82%), Faunal (3%), Projectile Point (7.5%), and Biface (7.5%). All of the lithic artifacts recovered from the Mill Seat Landfill Site #2 appear to have been manufactured from Onondaga chert. The lithic assemblage is comprised of both debitage and bifaces, and projectile points manufactured from Onondaga chert. The Onondaga Escarpment, which runs east to west along the northern shoreline of Lake Erie, traveling parallel to NYS Route 5, and extending into Albany would have been a readily available source of chert for early

inhabitants in this region. The majority of the lithic assemblage was recovered from a scatter located at the far end of a field on the east side of Brew Road (Loci #4). The scatter was possibly part of a centralized lithic reduction area which was plowed over during farming and spread over a larger area. A total of three projectile points and four biface fragments were recovered. All of the projectile points are manufactured of Onondaga chert. One point was identified as a Brewerton side-notched projectile point, and the others are identified as "untyped" (Ritchie 1971). Brewerton side-notched projectile points are recovered from throughout the state of New York. The Brewerton side-notched projectile point recovered was manufactured from gray Onondaga chert and exhibits a broad, side-notched point of medium size. The point is 4.9 cm in height, 1.9 cm in base length and approximately .5 cm in thickness. The blade edges are slightly curved with the stem being side-notched with an expanded smooth base. The Brewerton side-notched projectile point is associated the Archaic Brewerton Complex (middle to late archaic period) between 4000 to 3000 B.C. (Ritchie 1971). It is likely that Phase II investigations will result in the recovery of additional artifacts.

Table 5. Artifacts Recovered from Surface Investigations of the Mill Seat Landfill Site #2

Locus	FN	Number of artifacts	Description	Prehistoric Artifact Categories
1	99	2	1 pc. biface fragment 1 pc. pig bone	Biface (2.5%) Faunal (2.5%)
1	102	1	1 pc. flake	Chert Flake (2.5%)
2	79	1	1 pc. flake	Chert Flake (2.5%)
2	80	1	1 pc. flake	Chert Flake (2.5%)
2	81	1	1 pc. biface fragment	Biface (2.5%)
2	82	1	1 pc. Breweton projectile side notched projectile point (4000BC – 3000BC)	Projectile Point (2.5%)
3	92	6	6 pc. flake	Chert Flake (15%)
3	96	1	1 pc. flake	Chert Flake (2.5%)
3	98	1	1 pc. untyped broad-bladed, contracting stemmed projectile point	Projectile Point (2.5%)
4	83	2	2 pc. flake	Chert Flake (5%)
4	84	1	1 pc. flake	Chert Flake (2.5%)
4	85	1	1 pc. flake	Chert Flake (2.5%)
4	86	1	1 pc. flake	Chert Flake (2.5%)
4	87	1	1 pc. flake	Chert Flake (2.5%)
4	89	1	1 pc. flake	Chert Flake (2.5%)
4	90	1	1 pc. flake	Chert Flake (2.5%)
4	91	1	1 pc. flake	Chert Flake (2.5%)
4	94	1	1 pc. biface	Biface (2.5%)
4	95	6	6 pcs. flakes	Chert Flake (15%)
4	101	2	1 pc. biface fragment 1 pc. flake	Chert Flake (2.5%) Biface (2.5%)
4	103	2	2 pcs. flakes	Chert Flake (5%)
4	104	2	2 pcs. flakes	Chert Flake (5%)
4	105	2	1 pc. untyped broad-bladed, corner notched projectile point 1 pc. flake	Projectile Point (2.5%) Chert Flake (2.5%)
Total		**39**		

Table 6. Summary of Artifact Categories from the Mill Seat Landfill Site #2

Functional Group	Number of Artifacts	% of Assemblage
Faunal	1	2.5%
Lithic	38	97.5%
Total	**39**	**100%**

Table 7. Summary of Lithic Artifacts Recovered from the Mill Seat Landfill Site #2

Prehistoric Artifact Categories	Locus 1	Locus 2	Locus 3	Locus 4	Total Count	Percentage
Chert Flakes	1	2	7	22	32	82%
Faunal	1	0	0	0	1	3%
Projectile Points	0	1	1	1	3	7.5%
Biface	1	2	0	0	3	7.5%
Total Artifacts	**3**	**5**	**8**	**23**	**39**	**100%**

FN2: Three chert flakes from Mill Seat Landfill #2 Site, Loci 3;
FN 82: 1 pc. Breweton projectile side notched projectile point; FN 98: 1 pc. untyped broad-bladed, contracting stemmed projectile point; FN 105: 1 pc. untyped broad-bladed, corner notched projectile point

Subsistence and settlement patterns of the Erie, Seneca and Neutral Native Americans fall within the central and western sections of New York State. The APE of the Proposed Site is located directly in the western section of the aforementioned native groups' known settlement locations. The types of lithic artifacts recovered from this project area are not only typical of previously recorded sites in the area, but are indicative of potential similar lithic sites and/or Archaic settlements that may exist *in situ* below the ground surface. Given the sporadic disbursement of artifacts within the Mill Seat Landfill Site #2, there is a possible association with a minimum of eleven previously recorded sites: 03709.000039, Follett 79A, Mac Ann #2 (surface evidence, 789 m / 2589 ft south of Locus I); 05515.000012, Riga Landfill Isolated Artifact #1 (Bgn 40) (probable Archaic isolated find, 316 m / 1037 ft north of the APE); 05515.000013, Riga Landfill Isolated Artifact #2 (Bgn 41) (unidentified precontact isolated find, 878 m / 2881 ft north of the APE); NYSM 2662, Bgn 18-3 RMSC (unidentified precontact burial site, 1477 m / 4846 ft southeast of the APE); 05515.000048-59 Brew Road East #1 and 2 (probable Archaic stray finds, adjacent to the APE); 05515.000050, Brew Road West #1 (probable Archaic stray find, adjacent to the APE); 05515.000051-53, Brew Road West #2-4 (probable Archaic lithic scatters, adjacent to the APE); 05515.000054, Mill Seat West Area Stray Find, (unidentified prehistoric stray find, adjacent to the APE). Further analysis of the Mill Seat Landfill Site #2 may provide data about the Paleo-environment of the existing site itself and that of known sites within a one-mile radius of the APE. As a result, Phase II investigations are warranted for the Mill Seat Landfill Site #2.

Menzie Site

The Menzie Site surrounds an extant ca. 1860's residential structure (# 515 Bovee Road) situated in the southeast quadrant of the APE just on the south side of Bovee Road. Excavations reached a maximum of 54 cm / 24 in below datum. The site is irregularly shaped, and encompasses approximately 6 acres / 2.43 hectares. The site consists of farm field, mown lawn with several large trees, a fallow vegetable garden to the immediate west of the residence, two modern metal-sided sheds to the west and south of the residence, and a barn, also located to the south of the residence (Appendix I). The residential structure is currently occupied. Given that the structure does not exhibit any exceptional architectural features, Powers and Teremy, LLC do not believe that # 515 Bovee Road meets National Register criteria (Appendix II, Photographs 3,32,33). Examinations of historic maps indicate at least one outbuilding on the western side of the residence, probably the site of the modern shed located to the west of the residence. Except for a propane tank and driveway to the east of the residence, visual inspection revealed little obvious disturbance within and adjacent to the site.

Walkover reconnaissance in the farm fields surrounding # 515 Bovee Road resulted in the placement of 22 find spots (FN's). A total of 30 shovel tests(STP's) were excavated in the vicinity of the residence: 20 at 7.5 m / 25 ft intervals in the front lawn of the residence, and 10 at the cardinal points around the residence at approximately 2.5 m / 8 ft intervals. 9 of the 30 shovel tests excavated contained cultural material.

There were a total of 127 artifacts recovered from 22 surface find spots and nine positive shovel tests within the Menzie Site, 88 from the immediate vicinity of the residence. Artifacts recovered from the site belong to five separate functional groups: Architectural (50%), Kitchen (37%), Faunal (7%), Lithic (4%), and Miscellaneous (2%). Tables 8 and 9 reflect all positive shovel tests and find spots associated with the Menzie Site, artifacts encountered, and functional groups represented within the site boundaries. Included among the recovered artifacts were five chert flakes. Given the presence of the Mill Seat Landfill Site#2 site north of the Menzie site, it is possible these artifacts are associated with Mill Seat Landfill Site #2.

Table 8. Artifacts Recovered from the Menzie Site

STP/FN	Layer/level	Number of artifacts	Description	Functional group
34.1	L1, 0-37 cmbd	1	1 pc. whiteware (1860+)	Kitchen (.08%)
36.4	L1, 0-12 cmbd	10	8 pc. square cut nails (1830+) 1 pc. clear glass 1 pc. clear window glass	Architectural (6%) Kitchen (.08%)
38.1	L1, 0-42 cmbd	14	7 pc. square cut nails (1830+) 3 pc. wire nails (1850+) 1 pc. clear glass 3 pc. clear window glass	Architectural (93%) Kitchen (.08%)
41.1	L1, 0-29 cmbd	14	2 pc. brick 1 pc. square cut nail (1830+) 2 pc. linoleum/vinyl tile 8 pc. clear window glass 1 pc. clear glass	Architectural (10%), Kitchen (.08%)
42.1	L1, 0-50 cmbd	3	3 pc. square cut nails (1830+)	Architectural (2%)
43.1	L1, 0-54 cmbd	12	1 pc. clear window glass 1 pc. square cut nail (1830+) 1 pc. unidentified nail 1 pc. brick 6 pc. medium mammal bone 2 pc. coal	Architectural (3%) Faunal (5%) Miscellaneous (2%)
44.1	L1, 0-5 cmbd	19	3 pc. flow blue whiteware (1840-1879) 3 pc. clear glass 2 pc. window glass 2 pc. medium mammal bone 1 pc. brick 1 pc. square cut nail 2 pc. round nail 4 pc. linoleum /vinyl flooring tile 1 pc. coal	Architectural (8%) Faunal (11%) Kitchen (2%) Miscellaneous (.08%)
45.1	L1, 0-28 cmbd	11	1 pc. round nail (1850+) 2 pc. large nails/brads 1 pc. medium mammal bone 1 pc. ironstone (1870+) 1 pc. metal ring 1 pc. spark plug 1 pc. brown bottle glass 3 pc. clear window glass	Architectural (2%) Faunal (.08%) Kitchen (2%) Miscellaneous (2%)
46.1	L1, 0-32 cmbd	4	1 pc. Rockingham ware (1840-1900) 1 pc. clear glass 1 pc. wire nail (1850+) 1 pc. large metal staple	Architectural (2%) Kitchen (2%)
1	Surface	1	1 pc. flake	Lithics (.08%)

Table 8. Artifacts Recovered from the Menzie Site continued…

STP/FN	Layer/level	Number of artifacts	Description	Functional group
2	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
3	Surface	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (.08%)
4	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
5	Surface	3	2 pc. flake 1 pc. whiteware (1860+)	Lithics (2%) Kitchen (.08%)
6	Surface	1	1 pc. unknown black cylinder	Miscellaneous (.08%)
7	Surface	1	1 pc. flake	Lithics (.08%)
8	Surface	1	1 pc. ironstone (1870+)	Kitchen (.08%)
9	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
10	Surface	1	1 pc. green transferprint whiteware (1829-1850)	Kitchen (.08%)
11	Surface	1	1 pc. flake	Lithics (.08%)
12	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
22	Surface	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (.08%)
23	Surface	2	2 pc. whiteware (1860+)	Kitchen (2%)
24	Surface	5	5 pc. whiteware (1860+)	Kitchen (4%)
25	Surface	3	2 pc. whiteware (1860+) 1 pc. lamp chimney glass (19th-20th century)	Kitchen (2%)
26	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
27	Surface	1	1 pc. aqua bottle (19th-20th century)	Kitchen (.08%)
28	Surface	1	1 pc. aqua window glass (19th-20th century)	Architectural (.08%)
29	Surface	7	1 pc. redware (1800-1910) 4 pc. whiteware (1860+) 1 pc. annularware (1840-1900) 1 pc. aqua window glass (19th-20th century)	Kitchen (5%), Architectural (.08%)
46	Surface	3	1 pc. clear window glass (19th-20th century) 1 pc. aqua bottle glass (19th-20th century) 1 pc. whiteware (1860+)	Kitchen (2%) Architectural (.08%)
47	Surface	2	2 pc. whiteware (1860+)	Kitchen (2%)
Total		**127**		

Table 9. Summary of Artifact Categories from the Menzie Site

Functional Group	Number of Artifacts	% of Assemblage
Faunal	9	7
Kitchen	45	35
Architectural	62	49
Miscellaneous	6	5
Lithic	5	4
Total	**127**	**100**

Given the quantity of artifacts recovered, it is possible that the Menzie Site is National Register eligible (Table 8). No buried evidence such as foundations was discovered during shovel testing. Phase II investigations at this site hold the potential of encountering *in situ* cultural deposits relating to rural farm life from the time prior to 1872 through the modern era. The site contains intact and relatively undisturbed cultural deposits that may provide information relating to life within Riga. In addition, the presence of lithic artifacts suggests that additional cultural deposits relating to the prehistory of the area may be encountered.

Campbell/Menzie Site

The Campbell/Menzie Site consists of a Map Documented Structure that is no longer extant. The site is situated in the southeast quadrant of the APE just on the south side of Bovee Road, west of the Menzie Site previously described (Appendix I). The site was subject to walkover reconnaissance. The site irregularly shaped, and encompasses approximately 2.6 acres / 1.05 hectares. The site consists of farm field. Historic maps consulted (Figures 4-8) reveal a residence present in the site location as early as 1858 (P.D. Campbell), and was present until at least 1924 (H.J. Menzie). Currently, no foundations or other structural remains are visible.

Walkover reconnaissance in the farm field encompassing the Campbell/Menzie site resulted in the placement of 22 find spots (FN's). There were a total of 75 artifacts recovered from 25 surface find spots within the Campbell/Menzie Site. Artifacts recovered from the site belong to two separate functional groups: Architectural (5%) and Kitchen (95%). Tables 10 and 11 reflect all find spots associated with the Campbell/Menzie Site, artifacts encountered, and functional groups represented within the site boundaries.

Table 10. Artifacts Recovered from the Campbell/Menzie Site

FN	Number of artifacts	Description	Functional group
13	4	3 pc. whiteware (1860+) 1 pc. blue transferprint whiteware (1840-1860)	Kitchen (5%)
14	4	1 pc. blue transferprint whiteware (1840-1860) 2 pc. whiteware (1860+) 1 pc. aqua bottle (19th-20th century)	Kitchen (5%)
15	2	1 pc. salt glazed Albany slip stoneware (1800-1910) 1 pc. blue transferprint whiteware (1840-1860)	Kitchen (3%)
16	1	1 pc. whiteware (1860+)	Kitchen (1%)
17	7	5 pc. whiteware (1860+) 1 pc. salt glazed Albany slip stoneware (1800-1910) 1 pc. redware (1840+)	Kitchen (9%)
18	2	2 pc. whiteware w/ blue incised rim (1800-1845)	Kitchen (3%)
19	8	2 pc. whiteware (1860+) 1 pc. porcelain (1850+) 4 pc. ironstone (1870+) 1 pc. brown bottle glass	Kitchen (11%)
20	2	2 pc. whiteware (1860+)	Kitchen (3%)
21	1	1 pc. blue transferprint whiteware (1826-1831)	Kitchen (1%)
30	6	1 pc. purple glass (1860-1915) 1 pc. aqua bottle (19th-20th century) 1 pc. aqua window glass (19th-20th century) 1 pc. whiteware w/ blue incised rim (1800-1845) 2 pc. whiteware (1860+)	Kitchen (7%), Architectural (1%)

Table 10. Artifacts Recovered from the Campbell/Menzie Site continued….

FN	Number of artifacts	Description	Functional group
31	6	4 pc. whiteware (1860+) 1 pc. flow blue whiteware (1820-1879) 1 pc. aqua window glass (19th-20th century)	Kitchen (7%), Architectural (1%)
32	4	2 pc. whiteware (1860+) 2 pc. blue transferprint whiteware (1820-1879)	Kitchen (5%)
33	3	3 pc. whiteware (1860+)	Kitchen (4%)
34	5	2 pc. blue transferprint whiteware (1820-1879) 1 pc. whiteware (1860+), 1 pc. ironstone (1870+) 1 pc. aqua glass (19th-20th century)	Kitchen (7%)
35	1	1 pc. whiteware (1860+)	Kitchen (1%)
36	1	1 pc. ironstone (1880+)	Kitchen (1%)
37	1	1 pc. aqua bottle base (1850-1870)	Kitchen (1%)
38	1	1 pc. whiteware (1860+)	Kitchen (1%)
39	3	1 pc. clear window glass (19th-20th century) 1 pc. aqua window glass (19th-20th century) 1 pc. aqua glass (19th-20th century)	Architectural (1%) Kitchen (3%)
40	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (1%)
41	1	1 pc. whiteware (1860+)	Kitchen (1%)
42	1	1 pc. whiteware (1860+)	Kitchen (1%)
43	2	1 pc. whiteware (1860+) 1 pc. milk glass canning jar lid (1869+)	Kitchen (1%)
44	5	5 pc. clear glass (19th-20th century)	Kitchen (7%)
45	3	3 pc. brown bottle glass (19th-20th century)	Kitchen (4%)
Total	**75**		

Table 11. Summary of Artifact Categories from the Menzie Site

Functional Group	Number of Artifacts	% of Assemblage
Kitchen	72	96
Architectural	3	4
Total	**75**	**100**

Given the quantity of artifacts recovered, it is possible that the Campbell/Menzie Site is National Register eligible (Table 10). Phase II investigations at this site hold the potential of encountering additional *in situ* cultural deposits relating to rural farm life from the time prior to 1872 through the modern era. The site contains intact and relatively undisturbed cultural deposits that may provide information relating to life within Riga.

Menzie/Maher Site

The Menzie/Maher Site surrounds an extant circa 1860 residential structure (# 711 Bovee Road) situated in the southwest quadrant of the APE, on the south side of Bovee Road (Appendix I). The site was subject to walkover reconnaissance. The site irregularly shaped, and encompasses approximately 13 acres / 5.26 hectares. The site consists of farm field. Historic maps consulted (Figures 4-8) reveal a residence present in the site location as early as 1858 (D. Menzie), and was present in 1924 (Walter Mahar), as well as today. The residence is currently extant, though neither it or its outbuilding fall within the current APE.

Walkover reconnaissance in the farm field encompassing the Menzie/Maher Site resulted in the placement of 10 find spots (FN's). There were a total of 15 artifacts recovered from 10 surface find spots within the Campbell/Menzie Site. Artifacts recovered from the site belong to the Kitchen functional group (100%). Tables 12 and 13 reflect all find spots associated with the Campbell/Menzie Site, artifacts encountered, and functional groups represented within the site boundaries.

Table 12. Artifacts Recovered from the Menzie/Maher Site

FN	Number of artifacts	Description	Functional group
49	1	1 pc. aqua glass (19th-20th century)	Kitchen (7%)
50	1	1 pc. clear glass (19th-20th century)	Kitchen (7%)
51	1	1 pc. whiteware (1860+)	Kitchen (7%)
52	2	1 pc. porcelain (1850+) 1 pc. ironstone (1870+)	Kitchen (14%)
53	1	1 pc. blue transferprint whiteware (1820-1879)	Kitchen (7%)
54	5	5 pc. flow black transferprint (1840-1860)	Kitchen (33%)
55	1	1 pc. whiteware (1860+)	Kitchen (7%)
56	1	1 pc. clear glass (19th-20th century)	Kitchen (7%)
57	1	1 pc. ironstone (1870+)	Kitchen (7%)
58	1	1 pc. Albany slip stoneware (1800-1910)	Kitchen (7%)
Total	**15**		

Table 13. Summary of Artifact Categories from the Menzie/Maher Site

Functional Group	Number of Artifacts	% of Assemblage
Kitchen	15	100
Total	**15**	**100**

While artifacts were recovered, they are not representative of sites that are National Register eligible (Table 12). In addition, evidence such as foundations apparent within the APE. Phase II for the Menzie/Maher Site holds *limited* potential of encountering *in situ* cultural deposits relating to rural farm life from the time prior to 1900 through the modern era. Powers & Teremy, LLC believes that within the APE, the site *does not* contain intact and/or relatively undisturbed cultural deposits that may provide information relating to life within Riga. The sparse distribution of artifacts throughout the site, suggests that further archaeological investigations at this location would not yield any additional significant information. It should be noted, however, should project plans change to include the existing residence at #711 Bovee Road, additional Phase IB testing should be conducted.

Jones Site

The Jones Site surrounds an extant circa 1872 residential structure (#845 Bovee Road) situated in the southwest quadrant of the APE, west of the Menzie/Maher Site, on the south side of Bovee Road. (Appendix I). The site was subject to walkover reconnaissance. The site rectangularily shaped, and encompasses approximately 5.5 acres / 2.23 hectares. The site consists of farm field. Historic maps consulted (Figures 4-8) reveal a residence present in the site location as early as 1872 (D. Menzie), and was present in 1924 (No Name), as well as today. The residence is currently extant, though it does not fall within the current APE.

Walkover reconnaissance in the farm field encompassing the Jones Site resulted in the placement of 18 find spots (FN's). There were a total of 35 artifacts recovered from 10 surface find spots within the Jones. Artifacts recovered from the site belong to four separate functional groups: Architectural (1.5%), Kitchen (95%), Faunal (2%), and Lithic (1.5%). Tables 14 and 15 reflect all find spots associated with the Jones Site, artifacts encountered, and functional groups represented within the site boundaries. Included among the recovered artifacts was one chert flake. Given the presence of the Mill Seat Landfill Site#2 site north of the Menzie site, it is possible this artifact may be associated with Mill Seat Landfill Site #2.

Table 14. Artifacts Recovered from the Jones Site

FN	Number of artifacts	Description	Functional group
59	1	1 pc. whiteware (1860+)	Kitchen (3%)
60	2	2 pc. ironstone (1870+)	Kitchen (6%)
61	1	1 pc. whiteware (1860+)	Kitchen (3%)
62	1	1 pc. whiteware (1860+)	Kitchen (3%)
63	1	1 pc. ironstone (1840-1930+)	Kitchen (3%)
64	1	1 pc. whiteware (1860+)	Kitchen (3%)
65	5	3 pc. ironstone (1840-1930+) 1 pc. aqua bottle glass (19th-20th century) 1 pc. clear glass (19th-20th century)	Kitchen (14%)
66	5	1 pc. clear glass (19th-20th century) 1 pc. olive bottle glass 3 pc. ironstone (1870+)	Kitchen (14%)
67	6	4 pc. ironstone (1870+) 2 pc. whiteware (1860+)	Kitchen (17%)
68	1	1 pc. glazed stoneware (1840-1900)	Kitchen (3%)
69	1	1 pc. aqua glass (19th-20th century)	Kitchen (3%)
70	2	1 pc. aqua glass (19th-20th century) 1 pc. chicken bone	Kitchen (3%) Faunal (3%)
71	1	1 pc. flake	Lithic (3%)
72	1	1 pc. flow black whiteware (1840-1860)	Kitchen (3%)
73	2	1 pc. ironstone (1870+), 1 pc. purple glass (1860-1915)	Kitchen (6%)
74	1	1 pc. ironstone (1870+)	Kitchen (3%)
75	2	1 pc. aqua window glass (19th-20th century), 1 pc. Heinz condiment bottle (1893-1946)	Architectural (3%) Kitchen (3%)
76	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (3%)
Total	**35**		

Table 15. Summary of Artifact Categories from the Jones Site

Functional Group	Number of Artifacts	% of Assemblage
Faunal	1	3
Kitchen	32	91
Architectural	1	3
Lithic	1	3
Total	**35**	**100**

While artifacts were recovered, they are not representative of sites that are National Register eligible (Table 14). In addition, evidence such as foundations *were not* apparent within the APE. Phase II for the Jones Site holds *limited* potential of encountering *in situ* cultural deposits relating to rural farm life from the time prior to 1900 through the modern era. Powers & Teremy, LLC believes that within the APE, the site *does not* contain substantial cultural deposits that may provide information relating to life within Riga. The sparse distribution of artifacts throughout the site, suggests that further archaeological investigations at this location would not yield any additional significant information. It should be noted, however, should project plans change to include the existing residence at #845 Bovee Road, additional Phase IB testing should be conducted.

Problems Encountered

Numerous problems were encountered during these Phase I investigations. A staffing issue resulted in significant delay of report delivery. In addition, some computer files were compromised, including a number of photographs, as well as the report file. As a result, the report had to be restarted, and some photographs are missing from this report. Additional computer problems slowed report delivery. Powers & Teremy, LLC believes, however, that these difficulties did not impact the results of this report.

Shovel Test Results

Areas not subject to walkover reconnaissance or omitted due to excessive slope or standing water within the 324 acre / 131 hectare APE were subjected to subsurface testing as part of these Phase I investigations. Forty-seven transects were placed within the APE, containing a total of 362 shovel tests (Appendices I and III). While testing the proposed APE, 269 (74%) of the 362 shovel tests excavated reached a second layer, while none (0%) reached a third. Thirteen shovel tests fell in areas of standing water (4%), while the excavation of 80 (22%) shovel tests were halted due to rock impasses, impenetrable roots, filled with water, or having a layer I that exceeded 20 inches / 50 cmbs into sterile subsoil. (Appendix III). Soils encountered in the STPs were the expected as outlined as a typical profile by the Soil Survey of Monroe County (USDA 1973). A total of 88 artifacts were recovered from 10 shovel tests.

Layer I

Layer I averaged 10 inches / 26 cmbs, with a maximum depth of 26 inches / 65 cmbs recorded. Variations in soil color may be the result of a mixed A and B horizons or varying moisture levels within the soil. The following tables summarize soil color and consistency within Layer I (Tables 16 and 17).

Table 16. Layer I Soil Colors

10YR 5/4 Yellowish Brown	56.88%
5YR 5/3 Reddish Brown	17.47%
10YR 4/4 Dark Yellowish Brown	7.06%
7.5YR 6/4 Light Brown	6.69%
10YR 4/3 Brown	2.97%
10YR 5/2 Grayish Brown	2.60%
10YR 3/3 Dark Brown	2.23%
10YR 4/2 Dark Grayish Brown	1.49%
10YR 5/1 Gray	1.49%
10YR 6/4 Light Yellowish Brown	0.74%
7.5YR 5/6 Strong Brown	0.37%

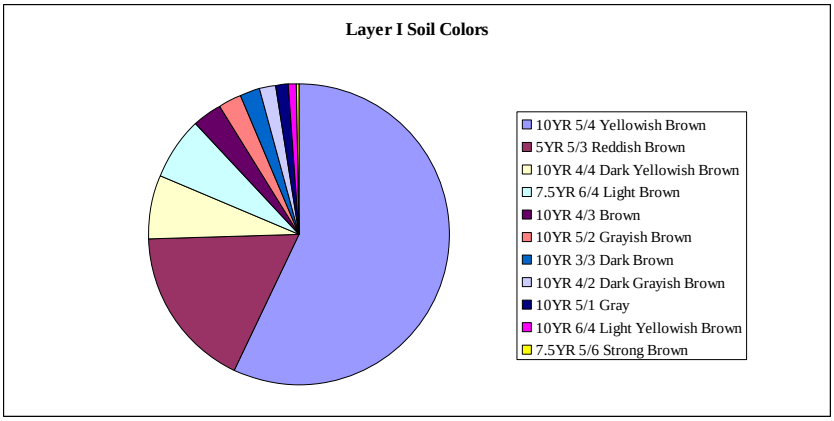
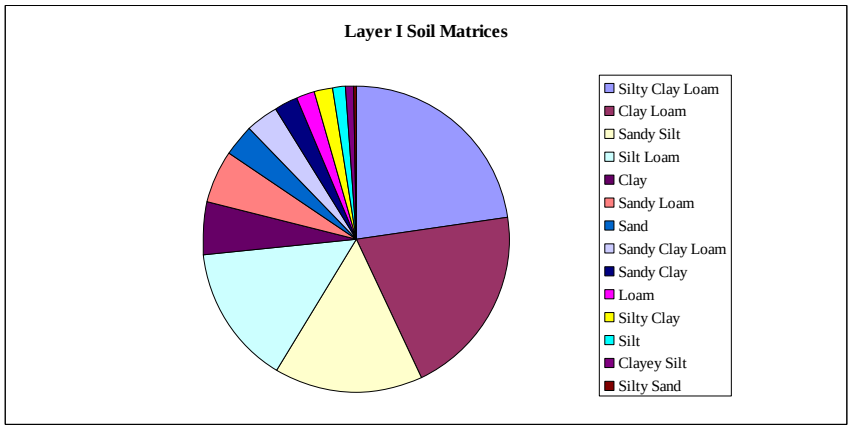


Table 17. Layer I Soil Matrices

Silty Clay Loam	22.68%
Clay Loam	20.45%
Sandy Silt	15.61%
Silt Loam	14.50%
Clay	5.58%
Sandy Loam	5.58%
Sand	3.35%
Sandy Clay Loam	3.35%
Sandy Clay	2.60%
Loam	1.86%
Silty Clay	1.86%
Silt	1.49%
Clayey Silt	0.74%
Silty Sand	0.37%



Layer II

Layer II consisted of B horizon soils. Layer II was excavated to an average depth of 16 inches / 40 cmbs, with a maximum depth reached of 24 inches / 61 cmbs. The following tables summarize soil color and consistency within Layer II (Tables 18 and 19).

Table 18. Layer II Soil Colors

10YR 5/4 Yellowish Brown	56.88%
5YR 5/3 Reddish Brown	17.47%
10YR 4/4 Dark Yellowish Brown	7.06%
7.5YR 6/4 Light Brown	6.69%
10YR 4/3 Brown	2.97%
10YR 5/2 Grayish Brown	2.60%
10YR 3/3 Dark Brown	2.23%
10YR 4/2 Dark Grayish Brown	1.49%
10YR 5/1 Gray	1.49%
10YR 6/4 Light Yellowish Brown	0.74%
7.5YR 5/6 Strong Brown	0.37%

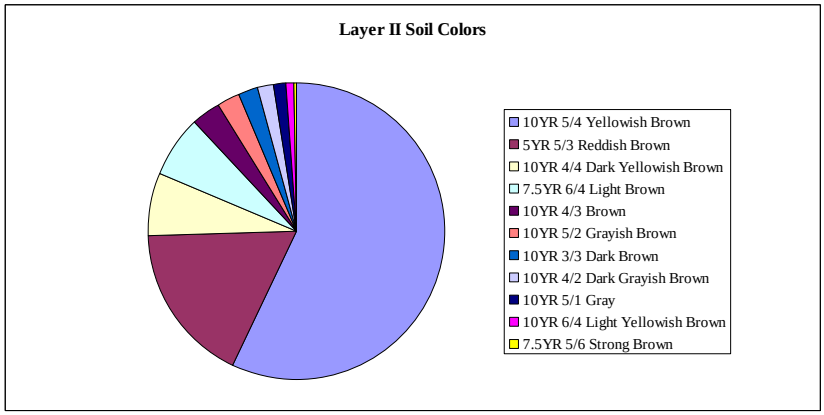
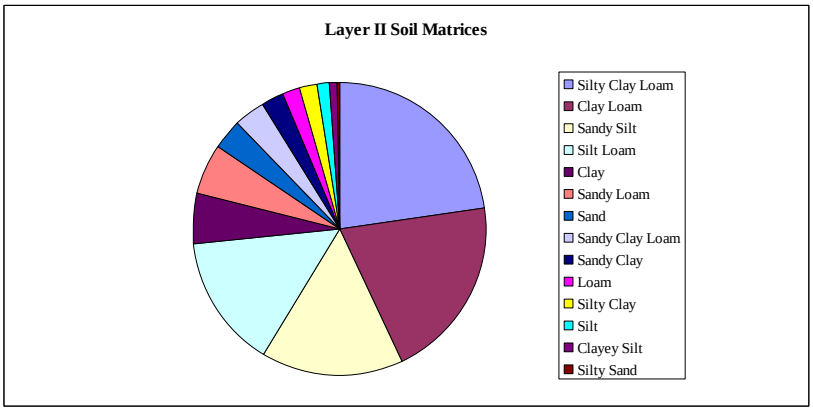


Table 19. Layer II Soil Matrices

Silty Clay Loam	22.68%
Clay Loam	20.45%
Sandy Silt	15.61%
Silt Loam	14.50%
Clay	5.58%
Sandy Loam	5.58%
Sand	3.35%
Sandy Clay Loam	3.35%
Sandy Clay	2.60%
Loam	1.86%
Silty Clay	1.86%
Silt	1.49%
Clayey Silt	0.74%
Silty Sand	0.37%



Numerous tests exhibited depths below 20 inches / 50 cmbs. Cultural material was recovered from 9 (2%) of the 362 shovel tests excavated.

VI. TESTING RECOMMENDATIONS

These Phase I Cultural Resource Investigations were performed only for the 324 acres / 131 hectares that were considered the Area of Potential Effect (APE) for the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York. All work was conducted in the Town of Riga, Monroe County, New York. Phase I investigations at this site encountered significant *in situ* prehistoric and historic cultural deposits. Therefore, Powers & Teremy, LLC recommend further archaeological investigations or site avoidance.

Powers & Teremy, LLC recommend Phase II investigations or avoidance for the Mill Seat Landfill #2 Site. Further analysis of may provide data about the Paleo-environment of the existing site itself and that of known sites within a one-mile radius and adjacent to the APE. Specific recommendations include two additional surface surveys in open-field areas encompassing and adjacent to the four loci comprising the Mill Seat Landfill #2. In addition, supplementary close interval shovel testing should take place in areas comprising Loci 1-4. The objective of these measures is to better define site integrity, boundaries and artifact distribution, as well as determine National Register eligibility.

Phase II investigations or avoidance are also recommended for the Menzie Site and Campbell/Menzie Site. Specific recommendations include two additional surface surveys in open-field areas encompassing and adjacent to these sites, as well as close interval shovel testing. The objective of these measures is to better define site integrity, boundaries and artifact distribution, as well as determine National Register eligibility. Phase II investigations or avoidance *are not* recommended for the Menzie/Maher Site or the Jones Site. The sparse distribution of artifacts throughout these sites suggests that further archaeological investigations at these locations would not yield any additional significant information.

The NYSOPRHP should be consulted prior to the initiation of Phase II work. Should it be decided that site avoidance will be pursued, general guidelines for avoidance Appendix VI) has been provided. The NYSOPRHP should be consulted prior to the implementation of the avoidance plan.

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United State Geological Survey

(1950) 7.5' Churchville, N.Y. Quadrangle U.S. Government Printing Office. Washington, D.C. (Revised/Inspected 1978)

Appendix I
Project Maps

077° 56' 30.00" W
077° 56' 00.00" W
077° 55' 30.00" W
077° 55' 00.00" W
043° 03' 00.00" N
043° 02' 30.00" N

SCALE 1:3000

0 100 200 300 400 500
FEET

0 100 200 300 400 500
FEET

0 100
METERS

Powers & Teremy, LLC
Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Key:

- APE Boundary
- Area Previously Investigated (09PR4466)
- Historic Site Boundary
- Loci Locations, Mill Seat Landfill#2 Site
- Existing Wetlands / Standing Water
- Standing Water
- Excessive Slope
- Areas Subject to Walkover
- Negative Shovel Test
- Photograph Angle
- Historic Artifact Location (fn53)
- Lithic Artifact Location (fn97, fn98)

Locus #1
Locus #2
Locus #3
Locus #4
Jones Site
Menzie/Maher Site
Campbell/Menzie Site
Menzie Site

077° 56' 00.00" W

077° 55' 30.00" W

043° 03' 00.00" N

Locus #1

fn10[illegible]

fn99

Locus #2

fn82

fn80

fn79

fn81

Locus #3

fn96

fn97

fn98

fn92

Locus #4

fn94

fn105

fn104

fn87

27

28

24

Mill Seat Landfill #2 Site
Phase IA and IB (Phase I) Cultural Resource Investigations
For the Proposed Mill Seat Landfill Expansion Project,
Town of Riga, Monroe County, New York

Key:

- Approximate Site Boundary
- Loci Location
- fn81 Chert Flake
- fn82 Diagnostic Lithic Artifact
- Photograph Angle

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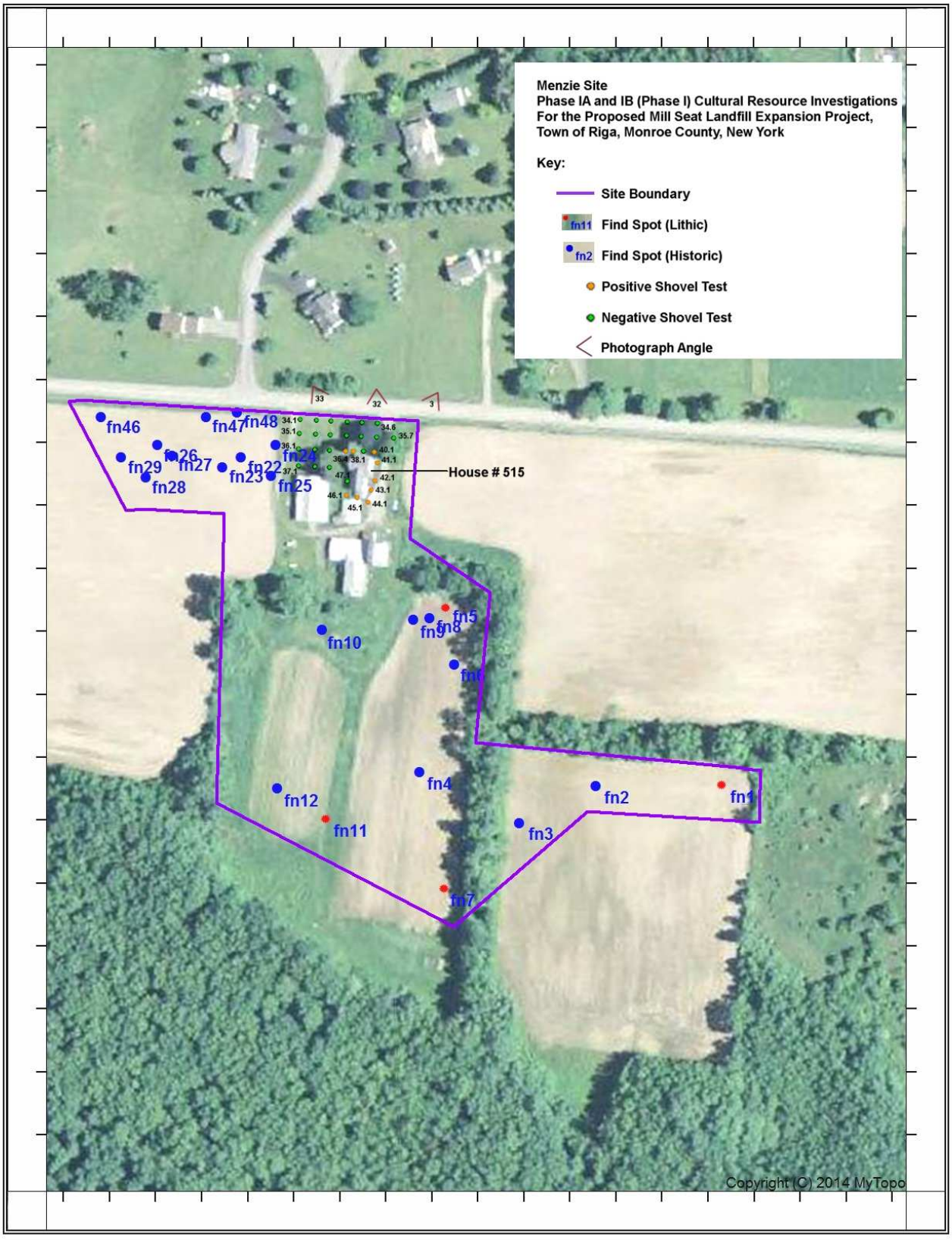

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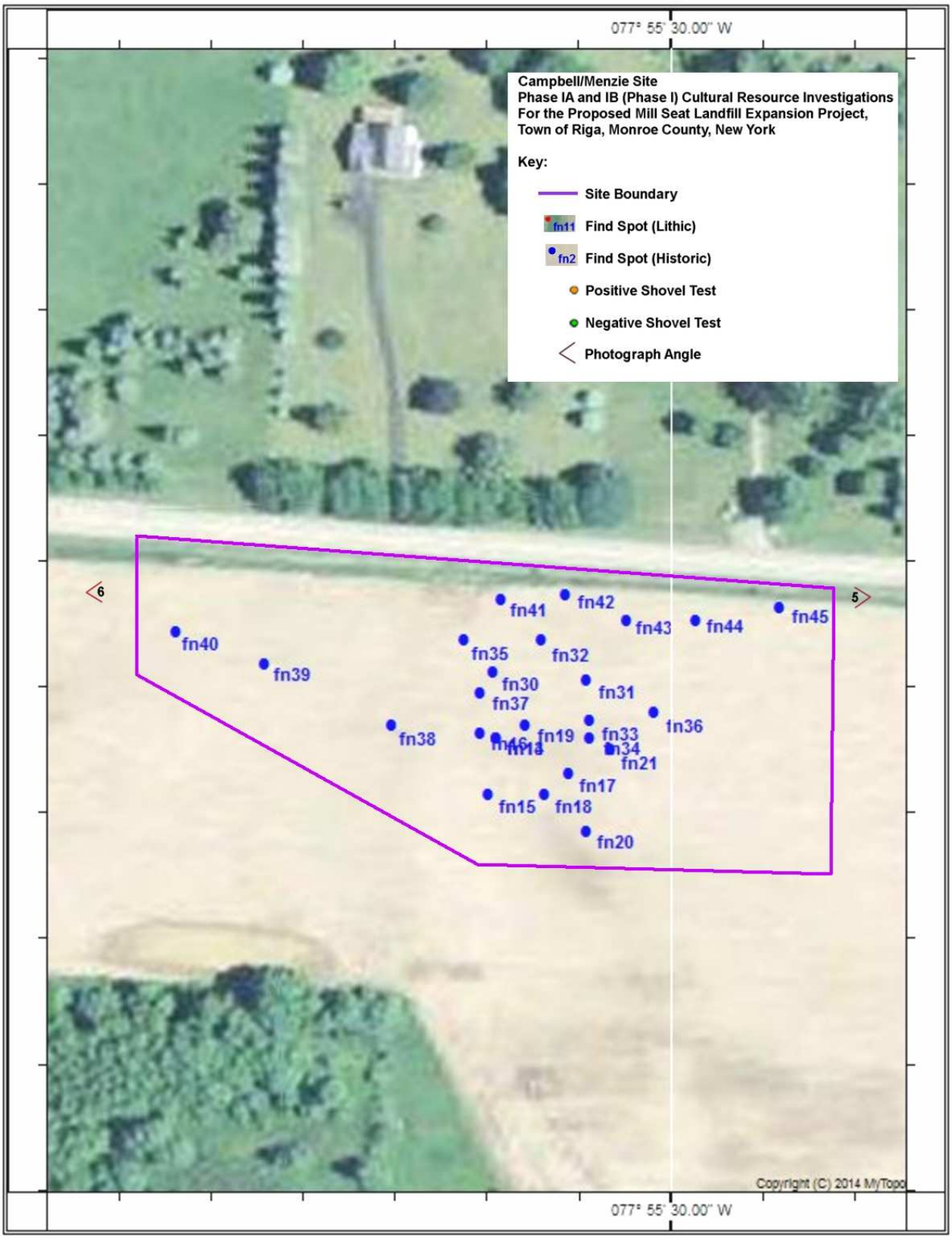

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Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Key:

- Site Boundary
- fn11 Find Spot (Lithic)
- fn2 Find Spot (Historic)
- Positive Shovel Test
- Negative Shovel Test
- Photograph Angle

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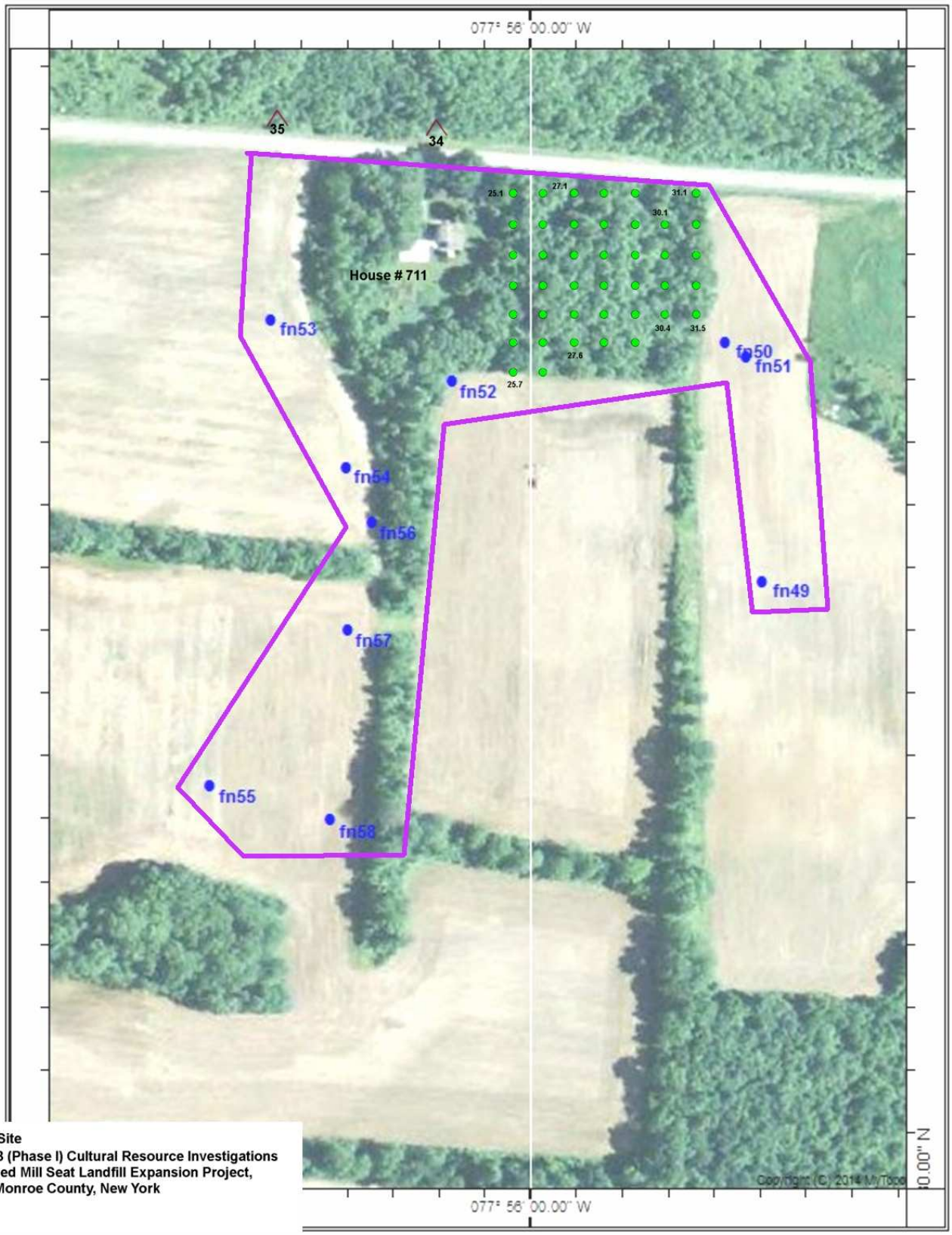
FEET



Menzie/Maher Site
Phase IA and IB (Phase I) Cultural Resource Investigations
For the Proposed Mill Seat Landfill Expansion Project,
Town of Riga, Monroe County, New York

Key:

- Site Boundary
- fn11 Find Spot (Lithic)
- fn2 Find Spot (Historic)
- Positive Shovel Test
- Negative Shovel Test
- Photograph Angle

SCALE 1:3000

0 100 200 300 400 500 600 700

FEET

Appendix II
Project Area Photographs

Photograph 1. General project vicinity and APE on south side of Bovee Road, looking east.

Photograph 2. General project vicinity and APE on south side of Bovee Road, looking west.

Photograph 3. House # 515 Bovee Road, Menzie Site, looking southwest.

Photograph 4. APE south of Bovee Road, looking southeast.

Photograph 5. APE and Campbell/Menzie Site, looking west.

Photograph 6. APE and Campbell/Menzie Site, looking east.

Photograph 7. APE south of Bovee Road, looking west.

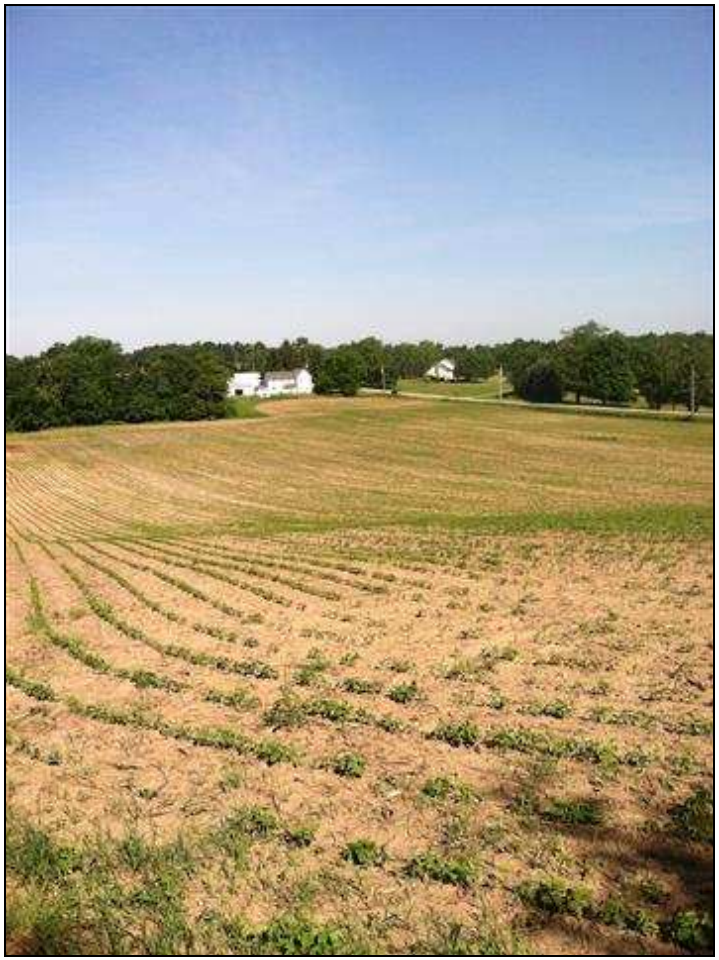
Photograph 8. APE south of Bovee Road, looking north.

Photograph 9. APE on Pinnacle Hill, looking south.

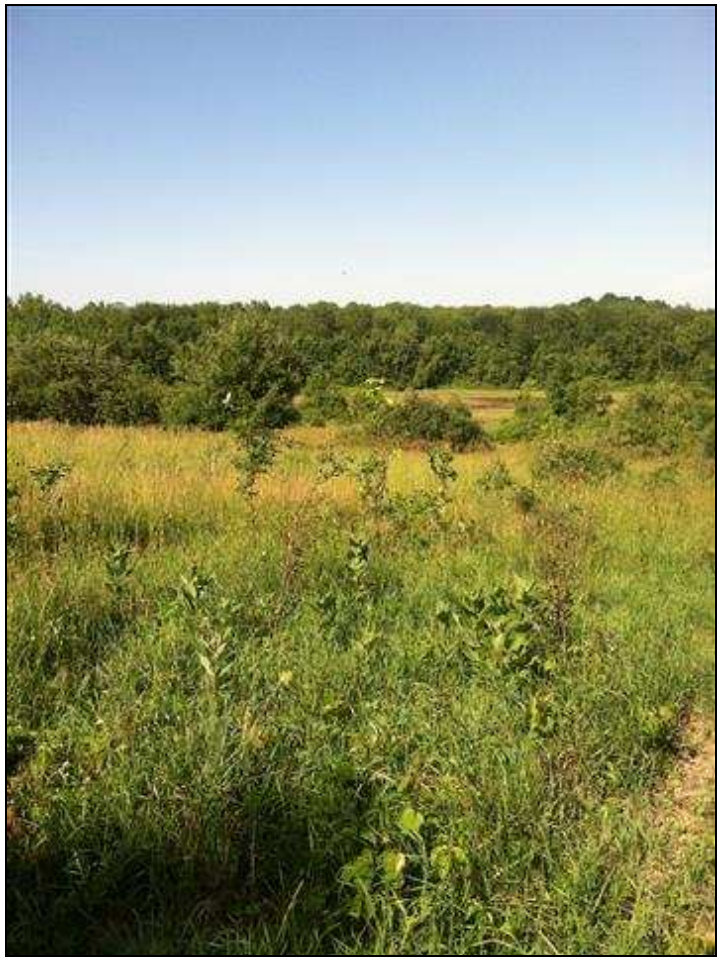
Photograph 10. Typical vegetation at top of Pinnacle Hill, looking south.

Photograph 11. APE atop Pinnacle Hill, looking west.

Photograph 12. APE atop Pinnacle Hill, looking east.



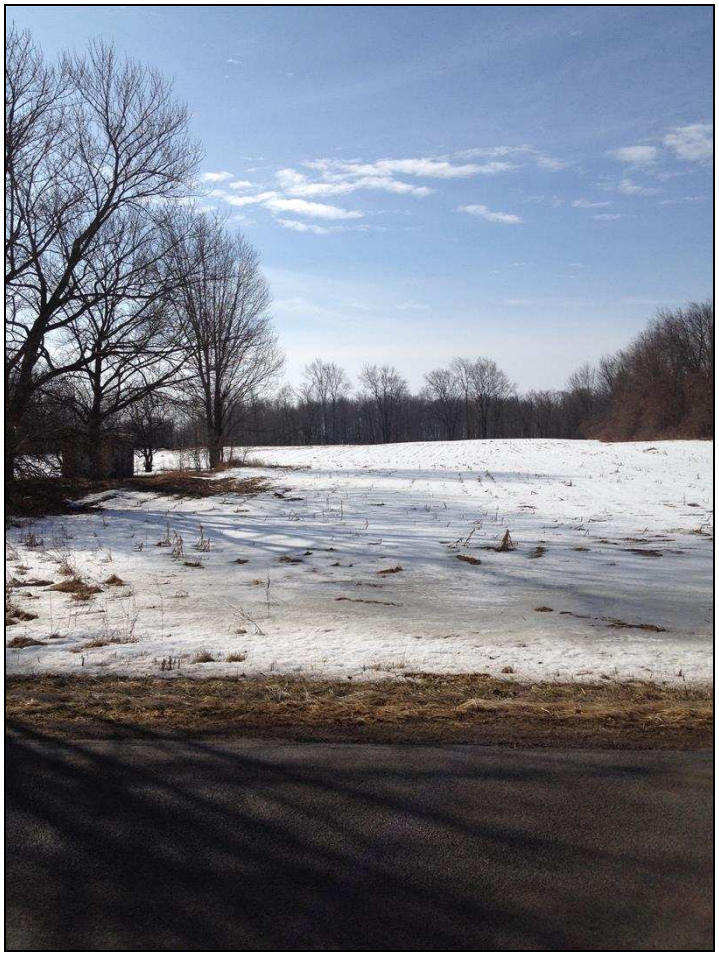
Photograph 13. APE on south side of Bovee Road, Science Hill, looking northwest.



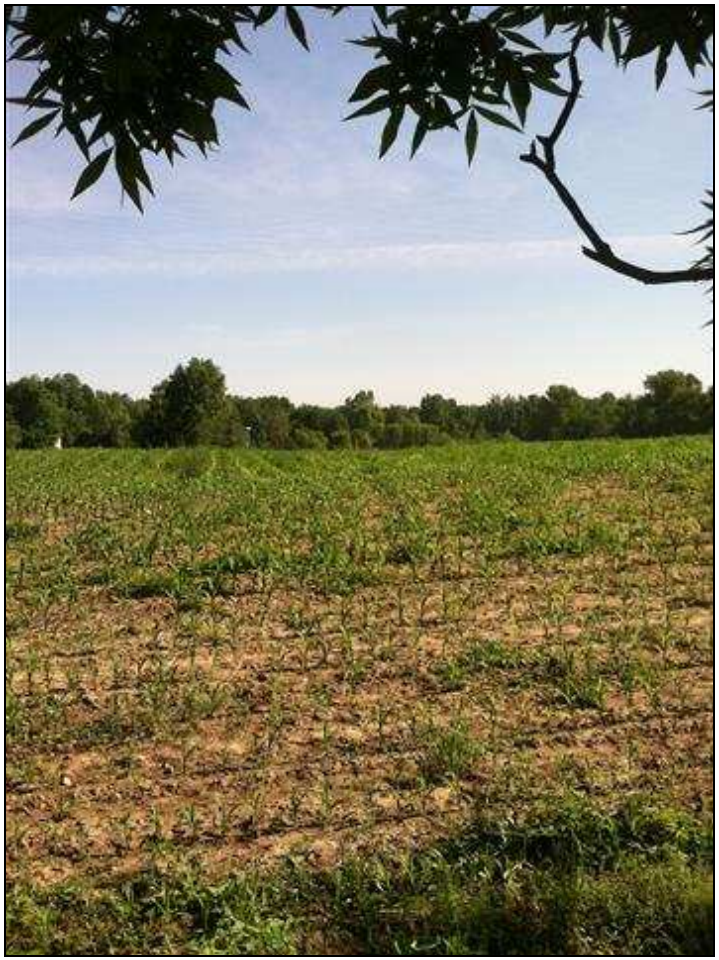
Photograph 14. APE on south side of Bovee Road, Science Hill, looking southeast.

Photograph 15. House # 845 Bovee Road, Jones Site, looking southwest.

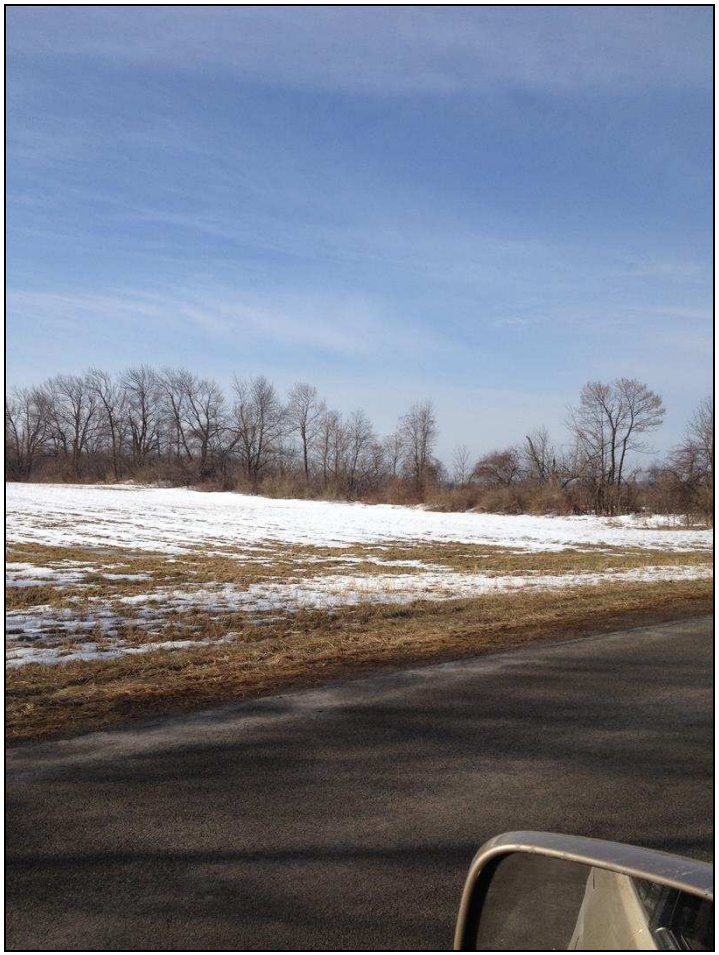
Photograph 16. House # 845 Bovee Road, Jones Site, looking south.



Photograph 17. West of House # 845 Bovee Road, looking south.



Photograph 18. Jones Site from south end of plowed field, south of House # 845 Bovee Road, looking north.



Photograph 19. Location of MDS (M. Britton, 1902 Atlas), looking southwest.

Photograph 20. Standing water in woods on south side of Bovee Road, looking south.

Photograph 21. Standing water in woods on south side of Bovee Road, looking southeast.

Photograph 22. Brew Road, looking south.

Photograph 23. Existing wetlands adjacent to Brew Road, looking east.

Photograph 24. APE west of Brew Road, looking west.

Photograph 25. APE west of Brew Road, looking northwest.

Photograph 26. APE west of Brew Road, looking southwest.

Photograph 27. APE on east side of Brew Road, including Mill Seat Landfill #2 Site (far end of field), looking east.

Photograph 28. Mill Seat Landfill #2 Site, looking north.

Photograph 29. Mill Seat Landfill #2 Site, looking east.

Photograph 30. APE in northern section, including disturbance, looking northwest.

Photograph 31. Wetland in northern section of APE from Brew Road, looking northeast.

Photograph 32. House # 515 Bovee Road, Menzie Site, looking south.

Photograph 33. House # 515 Bovee Road, Menzie Site, looking southeast.

Photograph 34. House # 711 Bovee Road, Menzie/Maher Site, looking south.

Photograph 35. West side of Menzie/Maher Site, looking south.

Photograph 36. APE including east side of Jones Site, looking southwest.

Appendix III
Shovel Test Data

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
01	01	I	33	Dark Brown	Silt Loam		NCM	
01	01	II	53	Dark Brown	Silt Loam	Gravel	NCM	
01	02	I	22	Brown	Sandy Loam	Gravel	NCM	
01	02	II	41	Light Brown	Sandy Loam	Gravel	NCM	
01	03	I	24	Brown	Sandy Loam	Gravel	NCM	
01	03	II	45	Brown	Sandy Loam	Gravel	NCM	
01	04	I	36	Dark Brown	Silt Loam	Gravel	NCM	
01	04	II	52	Reddish Brown	Silt Loam		NCM	
01	05	I	50	Grayish Brown	Sand	Gravel	NCM	Disturbed
01	06	I	54	Dark Brown	Silt Loam		NCM	
01	07	I	34	Brown	Sandy Clay Loam		NCM	
01	07	II	58	Light Brown	Sandy Loam	Gravel	NCM	
02	01	I	40	Brown	Silt Loam		NCM	
02	01	II	50	Light Brown	Sandy Loam		NCM	
02	02	I	14	Dark Brown	Clay Loam		NCM	
02	02	II	34	Brown	Silty Clay Loam		NCM	
02	03	I	20	Brown	Clay Loam		NCM	
02	03	II	39	Yellowish Brown	Clay Loam		NCM	
02	04	I	30	Brown	Silt Loam		NCM	
02	04	II	40	Light Brown	Sandy Loam		NCM	
02	05	I	50	gray	Sand		NCM	
02	06	I	18	Brown	Silty Clay Loam		NCM	
02	06	II	38	Dark Yellowish Brown	Clay Loam		NCM	
02	07	I	30	Brown	Silt Loam		NCM	
02	07	II	40	Light Brown	Sandy Loam		NCM	
02	08	I	21	Dark Brown	Clay Loam		NCM	
02	08	II	40	Reddish Brown	Silty Clay Loam		NCM	
03	01	I	50	Reddish Brown	Silty Sand		NCM	
03	02	I	54	Reddish Brown	Silty Sand		NCM	
03	03	I	52	Reddish Brown	Silty Sand		NCM	
03	04	I	50	Reddish Brown	Sandy Silt		NCM	
03	05	I	65	Reddish Brown	Sandy Silt		NCM	
03	06	I	54	Reddish Brown	Sandy Silt	Gravel	NCM	
03	07	I	24	Brown	Sand	Gravel	NCM	
03	07	II	50	Light Brown	Sand	Gravel	NCM	
03	08	I	31	Brown	Sand	Gravel	NCM	
03	08	II	58	Light Brown	Sand	Gravel	NCM	
04	01	I	23	Dark Brown	Silt Loam		NCM	
04	01	II	40	Yellowish Brown	Sandy Silt		NCM	
04	02	I	19	Dark Brown	Clay Loam		NCM	
04	02	II	39	Dark Yellowish Brown	Clay Loam		NCM	
04	03	I	33	Dark Brown	Clay Loam		NCM	
04	03	II	43	Dark Yellow Brown	Clay Loam		NCM	
04	04	I	50	Dark Brown	clay silt loam		NCM	
04	05	I	16	Dark Brown	Clay Loam		NCM	
04	05	II	33	Dark Yellowish Brown	Clay Loam		NCM	
04	06	I	22	Dark Brown	Clay Loam		NCM	
04	06	II	45	Dark Yellow Brown	Clay Loam		NCM	
04	07	I	26	Dark Brown	Clay Loam		NCM	
04	07	II	40	Dark Yellowish Brown	Clay Loam		NCM	
04	08	I	19	Dark Brown	Clay Loam		NCM	
04	08	II	35	Dark Yellowish Brown	Clay Loam		NCM	
05	01	I	32	Dark Brown	Sandy Clay Loam	Rocks	NCM	
05	02	I	31	Dark Brown	Sandy Clay Loam	Gravel	NCM	
05	02	II	41	Brown	Sandy Clay Loam	Gravel	NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
05	03	I	0				NCM	Excessive slope
05	04	I	36	Dark Brown	Sandy Loam	Gravel	NCM	
05	04	II	46	Brown	Sandy Loam	Gravel	NCM	
05	05	I	17	Dark Brown	Sandy Clay Loam	Gravel	NCM	
05	05	II	28	Brown	Sandy Loam	Gravel	NCM	
05	06	I	26	Dark Brown	Sandy Silt		NCM	
05	06	II	37	Brown	sandy silt loam	Gravel	NCM	
05	07	I	22	Dark Brown	Sandy Silt	Gravel	NCM	
05	07	II	33	Brown	Sandy Silt	Gravel	NCM	
05	08	I	7	Dark Brown	Sandy Loam	Rocks	NCM	
06	01	I	41	Reddish Brown	Silty Clay	Rocks	NCM	
06	02	I	50	Reddish Brown	Silty Clay		NCM	
06	03	I	20	Dark Brown	sandy silt loam	rocks/roots	NCM	
06	04	I	31	Brown	Sandy Silt	Gravel	NCM	
06	04	II	44	Yellowish Brown	Sand	Gravel	NCM	
06	05	I	25	Brown	Sandy Silt	Gravel	NCM	
06	05	II	35	Reddish Brown	Sandy Silt		NCM	
06	06	I	53	Brown	Sand	Gravel	NCM	
06	07	I	31	Brown	Sandy Silt	Gravel	NCM	
06	07	II	44	Reddish Brown	Sand	Gravel	NCM	
06	08	I	25	Brown	Sandy Silt	Gravel	NCM	
06	08	II	35	Reddish Brown	Sand		NCM	
07	01	I	50	Dark Brown	Silt Loam		NCM	
07	02	I	41	Dark Brown	Clayey Silt		NCM	
07	02	II	51	Dark Brown	Clayey Silt		NCM	
07	03	I	44	Dark Brown	Clayey Silt		NCM	
07	03	II	54	Dark Brown	Clayey Silt		NCM	
07	04	I	37	Dark Brown	Silt Loam		NCM	
07	04	II	47	Reddish Brown	Sandy Silt		NCM	
07	05	I	39	Reddish Brown	Silty Sand		NCM	
07	05	II	51	gray	Sand	Gravel	NCM	
07	06	I	31	Brown	Sandy Loam		NCM	
07	06	II	41	Grayish Brown	Sandy Loam		NCM	
07	07	I	27	Brown	Sandy Silt	Gravel	NCM	
07	07	II	48	Reddish Brown	Sand	Gravel	NCM	
07	08	I	22	Brown	Sandy Silt	Gravel	NCM	
07	08	II	38	Reddish Brown	Sand		NCM	
08	01	I	19	Dark Brown	Silty Clay Loam		NCM	
08	01	II	41	Dark Yellowish Brown	Clay Loam		NCM	
08	02	I	21	Dark Brown	Silty Clay		NCM	
08	02	II	37	Dark Brown	Silty Clay		NCM	
08	03	I	24	Dark Brown	Silt Loam		NCM	
08	03	II	37	Grayish Brown	Clay Loam		NCM	
08	04	I	21	Dark Brown	Silty Clay Loam		NCM	
08	04	II	39	Dark Grayish Brown	Clay Loam		NCM	
08	05	I	19	Dark Brown	Clay Loam		NCM	
08	05	II	35	Reddish Brown	Clay Loam		NCM	
08	06	I	16	Dark Grayish Brown	Silty Clay		NCM	
08	06	II	36	Grayish Brown	Silty Clay		NCM	
08	07	I	27	Brown	Sandy Silt	Gravel	NCM	
08	07	II	48	Yellowish Brown	Sand	Gravel	NCM	
08	08	I	22	Brown	Sandy Silt		NCM	
08	08	II	38	Yellowish Brown	Sandy Silt		NCM	
09	01	I	25	Dark Brown	Silt Loam		NCM	
09	01	II	38	Yellowish Brown	Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
09	02	I	19	Reddish Brown	Clay Loam		NCM	
09	02	II	30	Reddish Brown	Silty Clay Loam		NCM	
09	03	I	19	Reddish Brown	Silty Clay Loam		NCM	
09	03	II	31	Reddish Brown	Clay Loam		NCM	
09	04	I	23	Dark Brown	Silt Loam		NCM	
09	04	II	36	Yellowish Brown	Silt Loam		NCM	
09	05	I	31	Dark Brown	Silt Loam		NCM	
09	05	II	41	Reddish Brown	Silt Loam		NCM	
09	06	I	27	Dark Brown	Silt Loam		NCM	
09	06	II	39	Reddish Brown	Silt Loam		NCM	
09	07	I	26	Dark Brown	Silt Loam		NCM	
09	07	II	39	Yellowish Brown	Sandy Silt		NCM	
09	08	I	31	Brown	Silt Loam		NCM	
09	08	II	52	Yellowish Brown	Sandy Silt		NCM	
10	01	I	23	Dark Grayish Brown	Silty Clay Loam		NCM	
10	01	II	35	Yellowish Brown	Silty Clay		NCM	
10	02	I	28	Brown	Sandy Clay Loam		NCM	
10	02	II	38	Yellowish Brown	sandy clay		NCM	
10	03	I	34	Brown	Sandy Loam		NCM	
10	03	II	46	Yellowish Brown	Sandy Loam		NCM	Disturbed
10	04	I	32	Brown	Sandy Clay Loam		NCM	
10	04	II	38	Yellowish Brown	sandy clay		NCM	
10	05	I	28	Brown	Sandy Clay Loam		NCM	
10	05	II	38	Yellowish Brown	sandy clay		NCM	
10	06	I	24	Brown	sandy clay		NCM	
10	06	II	34	Yellowish Brown	sandy clay		NCM	
10	07	I	32	Brown	Sandy Loam		NCM	
10	07	II	55	Yellowish Brown	Sandy Loam		NCM	
10	08	I	24	Brown	Sandy Loam		NCM	
10	08	II	43	Yellowish Brown	Sandy Clay		NCM	
11	01	I	24	Dark Brown	Silt Loam		NCM	
11	01	II	37	Yellowish Brown	Loam		NCM	
11	02	I	35	Brown	Silt Loam		NCM	
11	02	II	51	Yellowish Brown	silt		NCM	
11	03	I	31	Brown	Silt Loam		NCM	
11	03	II	46	Yellowish Brown	Silt Loam		NCM	
11	04	I	32	Brown	Silt Loam	Rocks	NCM	
11	05	I	50	Brown	Silt Loam		NCM	
11	06	I	29	Brown	Silt Loam		NCM	
11	06	II	48	Yellowish Brown	Silt Loam		NCM	
11	07	I	32	Brown	Silt Loam		NCM	
11	07	II	56	Yellowish Brown	Silt Loam		NCM	
11	08	I	14	Dark Brown	Silt Loam		NCM	Filled with Water
12	01	I	26	Dark Brown	Silt Loam		NCM	
12	01	II	41	Yellowish Brown	clay		NCM	
12	02	I	30	Dark Brown	Silt Loam		NCM	
12	02	II	40	Reddish Brown	clay		NCM	
12	03	I	24	Dark Brown	Silt Loam		NCM	
12	03	II	41	Reddish Brown	clay		NCM	
12	04	I	22	Dark Brown	Silt Loam		NCM	
12	04	II	35	Reddish Brown	clay		NCM	
12	05	I	10	Dark Brown	Silt Loam		NCM	Filled with Water
12	06	I	8	Dark Brown	Silt Loam		NCM	Filled with Water
12	07	I	13	Dark Brown	Silt Loam		NCM	Filled with Water
12	08	I	11	Dark Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
13	01	I	26	Dark Brown	Silt Loam		NCM	
13	01	II	31	Grayish Brown	Loam		NCM	
13	02	I	27	Brown	Silt Loam		NCM	
13	02	II	47	Grayish Brown	Silt Loam	Gravel	NCM	
13	03	I	18	Brown	Silt Loam		NCM	
13	03	II	31	Strong Brown	Silt Loam	Rocks	NCM	
13	04	I	23	Dark Brown	Silty Clay Loam		NCM	
13	04	II	41	Yellowish Brown	Silty Clay Loam		NCM	
13	05	I	27	Dark Brown	Silty Clay Loam		NCM	Filled with Water
13	05	I	41	Dark Brown	Silty Clay Loam		NCM	Standing Water
13	06	I	24	Dark Brown	Silty Clay Loam		NCM	
13	06	II	51	Yellowish Brown	Silty Clay Loam		NCM	
13	07	I	26	Dark Brown	Silty Clay Loam		NCM	
13	07	II	47	Yellowish Brown	Clay Loam		NCM	
13	08	I	31	Dark Brown	Silty Clay Loam		NCM	
13	08	II	47	Yellowish Brown	Silty Clay Loam		NCM	
13	09	I	30	Dark Brown	Silty Clay Loam		NCM	
13	09	II	42	Yellowish Brown	Silty Clay Loam		NCM	
13	10	I	29	Dark Brown	Clay Loam		NCM	
13	10	II	47	Yellowish Brown	Clay Loam		NCM	
13	11	I	27	Dark Brown	Clay Loam		NCM	
13	11	II	52	Yellowish Brown	Clay Loam		NCM	
13	12	I	36	Dark Brown	Silty Clay Loam		NCM	
13	12	II	61	Yellowish Brown	Silty Clay Loam		NCM	
13	13	I	27	Dark Brown	Silty Clay Loam		NCM	
13	13	II	43	Yellowish Brown	Silty Clay		NCM	
13	14	I	22	Dark Brown	Silty Clay Loam		NCM	
13	14	II	39	Yellowish Brown	Silty Clay Loam		NCM	
14	01	I	26	Brown	Silt Loam		NCM	
14	01	II	36	Yellowish Brown	Silt Loam		NCM	
14	02	I	27	Dark Brown	Silt Loam		NCM	
14	02	II	37	Yellowish Brown	clay		NCM	
14	03	I	31	Dark Brown	Silt Loam		NCM	
14	03	II	41	Yellowish Brown	clay		NCM	
14	04	I	29	Dark Brown	Silt Loam		NCM	
14	04	II	39	Yellowish Brown	clay		NCM	
14	05	I	34	Dark Brown	Silt Loam		NCM	
14	05	II	44	Yellowish Brown	Sandy Silt		NCM	
14	06	I	29	Dark Brown	Silt Loam		NCM	
14	06	II	39	Yellowish Brown	Sandy Silt		NCM	
14	07	I	18	Dark Brown	Silt Loam		NCM	
14	07	II	30	Yellowish Brown	Sandy Silt		NCM	
14	08	I	35	Dark Brown	sandy silt		NCM	
14	08	II	45	Yellowish Brown	Sandy Silt		NCM	
14	09	I	28	Dark Brown	Sandy Silt		NCM	
14	09	II	38	Yellowish Brown	Sandy Silt		NCM	
14	10	I	32	Dark Brown	Sandy Silt		NCM	
14	10	II	42	Yellowish Brown	Sandy Silt		NCM	
14	11	I	4	Dark Brown	Sandy Clay		NCM	Standing Water
14	12	I	24	Dark Brown	Sandy Silt		NCM	
14	12	II	34	Yellowish Brown	Sandy Silt		NCM	
14	13	I	22	Dark Brown	Sandy Silt		NCM	
14	13	II	34	Yellowish Brown	Sandy Silt		NCM	
14	14	II	15	Brown	Silt Loam		NCM	Filled with Water
14	15	I	23	Dark Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
14	15	II	49	Yellowish Brown	Silty Clay Loam		NCM	
14	16	I	28	Dark Brown	Silt Loam		NCM	
14	16	II	52	Yellowish Brown	Clay Loam		NCM	
14	17	I	19	Dark Brown	Silt Loam		NCM	Filled with Water
14	18	I	16	Dark Brown	Silt Loam		NCM	Filled with Water
14	19	I	20	Dark Brown	Silt Loam		NCM	Filled with Water
14	20	I	15	Dark Brown	Silt Loam		NCM	Filled with Water
15	01	I	18	Dark Brown	Silty Clay Loam		NCM	
15	01	II	28	Yellowish Brown	Silty Clay Loam		NCM	
15	02	I	28	Dark Brown	Silty Clay Loam		NCM	Filled with Water
15	03	I	36	Dark Brown	Silty Clay Loam		NCM	Standing Water
15	04	I	28	Dark Brown	Silty Clay Loam		NCM	
15	04	II	38	Yellowish Brown	Silty Clay Loam		NCM	
15	05	I	36	Dark Brown	Silty Clay Loam		NCM	
15	05	II	46	Yellowish Brown	Silty Clay Loam		NCM	
15	06	I	32	Dark Brown	Silty Clay Loam		NCM	
15	06	II	42	Yellowish Brown	Silty Clay Loam		NCM	
15	07	I	24	Dark Brown	Silty Clay Loam		NCM	
15	07	II	34	Yellowish Brown	Silty Clay Loam		NCM	
15	08	I	25	Dark Brown	Silty Clay Loam		NCM	
15	08	II	36	Yellowish Brown	Silty Clay Loam		NCM	
15	09	I	27	Dark Brown	Silty Clay Loam		NCM	
15	09	II	38	Yellowish Brown	Silty Clay Loam		NCM	
15	10	I	29	Dark Brown	Silty Clay Loam		NCM	
15	10	II	40	Yellowish Brown	Silty Clay Loam		NCM	
15	11	I	0				NCM	Standing Water
15	11	I	27	Dark Brown	Silty Clay Loam		NCM	
15	11	II	46	Yellowish Brown	Silty Clay Loam		NCM	
15	12	I	23	Dark Brown	Silty Clay Loam		NCM	
15	12	I	26	Dark Brown	Silty Clay Loam		NCM	
15	12	II	36	Yellowish Brown	Silty Clay Loam		NCM	
15	12	II	45	Yellowish Brown	Silty Clay Loam		NCM	
15	13	I	23	Dark Brown	Silty Clay Loam		NCM	
15	13	I	28	Dark Brown	Silty Clay Loam		NCM	
15	13	I	45	Dark Brown	Silty Clay Loam		NCM	
15	13	II	33	Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
15	14	I	21	Dark Brown	Silty Clay Loam		NCM	
15	14	II	29	Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
15	15	I	23	Dark Brown	Silty Clay Loam		NCM	
15	15	II	48	Yellowish Brown	Silty Clay Loam		NCM	
15	16	I	25	Dark Brown	Silty Clay Loam		NCM	
15	16	II	33	Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
15	17	I	22	Dark Brown	Silty Clay Loam		NCM	
15	17	II	47	Yellowish Brown	Silty Clay Loam		NCM	
15	18	I	26	Dark Brown	Silty Clay Loam		NCM	
15	18	II	43	Yellowish Brown	Silty Clay Loam		NCM	
15	19	I	21	Dark Brown	Silty Clay Loam		NCM	
15	19	II	28	Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
15	20	I	23	Dark Brown	Silty Clay Loam		NCM	
15	20	II	25	Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
15	21	I	26	Dark Brown	Silty Clay Loam		NCM	
15	21	II	42	Yellowish Brown	Silty Clay Loam		NCM	
15	22	I	16	Dark Brown	Silty Clay Loam		NCM	Filled with Water
15	23	I	11	Dark Brown	Silty Clay Loam		NCM	Filled with Water
15	24	I	21	Dark Brown	Clay Loam		NCM	Filled with Water

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
15	25	I	19	Dark Brown	Clay Loam		NCM	Filled with Water
15	26	I	14	Dark Brown	Clay Loam		NCM	Filled with Water
16	01	I	21	Dark Brown	Clay Loam		NCM	
16	02	I	10	Dark Yellowish Brown	Clay Loam		NCM	Filled with Water
16	02	I	35	Dark Brown	Clay Loam		NCM	Filled with Water
16	03	I	19	Dark Brown	Clay Loam		NCM	Filled with Water
16	04	I	17	Dark Brown	Clay Loam		NCM	
16	04	II	31	Reddish Brown	Clay Loam		NCM	
16	05	I	18	Dark Brown	Clay Loam		NCM	
16	05	II	35	Reddish Brown	Clay Loam		NCM	
16	06	I	16	Dark Brown	Clay Loam		NCM	
16	06	II	32	Reddish Brown	Clay Loam		NCM	
16	07	I	19	Dark Brown	Clay Loam		NCM	
16	07	II	35	Dark Yellowish Brown	Clay Loam		NCM	
16	08	I	18	Dark Brown	Clay Loam		NCM	
16	08	II	32	Dark Yellowish Brown	Clay Loam		NCM	
16	09	I	20	Dark Brown	Clay Loam		NCM	
16	09	II	32	Dark Yellowish Brown	Clay Loam		NCM	
16	10	I	17	Dark Brown	Clay Loam		NCM	
16	10	II	35	Dark Yellowish Brown	Clay Loam		NCM	
16	11	I	20	Dark Brown	Clay Loam		NCM	
16	11	II	32	Reddish Brown	Clay Loam		NCM	
16	12	I	16	Dark Brown	Clay Loam		NCM	
16	12	II	29	Dark Yellowish Brown	Clay Loam		NCM	
16	13	I	27	Dark Grayish Brown	Silt Loam		NCM	
16	13	II	45	Yellowish Brown	Silty Clay		NCM	
16	14	I	28	Brown	Silt Loam		NCM	
16	14	II	45	Yellowish Brown	Silt Loam		NCM	
16	15	I	31	Brown	Silty Clay Loam		NCM	
16	15	II	47	Yellowish Brown	Sandy Loam		NCM	
16	16	I	27	Brown	Sandy Clay Loam		NCM	
16	16	II	45	Yellowish Brown	Sandy Clay		NCM	
16	17	I	28	Brown	Sandy Loam		NCM	
16	17	II	39	Yellowish Brown	Sandy Clay Loam		NCM	
16	18	I	22	Brown	Sandy Clay		NCM	
16	18	II	47	Yellowish Brown	Sandy Clay		NCM	
16	19	I	22	Dark Brown	Silt Loam		NCM	
16	19	II	46	Yellowish Brown	Loam		NCM	
16	20	I	31	Brown	Silt Loam		NCM	
16	20	II	47	Yellowish Brown	Sandy Clay Loam		NCM	
16	21	I	29	Brown	Silt Loam		NCM	
16	21	II	45	Yellowish Brown	Silt Loam		NCM	
16	22	I	14	Brown	Silt Loam		NCM	Filled with Water
16	23	I	22	Brown	Silt Loam		NCM	Filled with Water
16	24	I	23	Dark Brown	Silt Loam		NCM	
16	24	II	41	Yellowish Brown	Clay		NCM	
16	25	I	18	Dark Brown	Silt Loam		NCM	Filled with Water
16	26	I	21	Dark Brown	Silt Loam		NCM	Filled with Water
17	01	I	15	Dark Brown	Silt Loam		NCM	
17	01	II	35	Yellowish Brown	Silty Clay Loam		NCM	
17	02	I	0				NCM	Standing Water
17	03	I	14	Dark Brown	Silty Clay Loam		NCM	
17	03	II	32	Yellowish Brown	Silt Loam		NCM	
17	04	I	18	Brown	Silt Loam		NCM	
17	04	II	32	Yellowish Brown	Silty Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
17	05	I	17	Dark Brown	Silt Loam		NCM	
17	05	II	33	Dark Yellowish Brown	Silty Clay Loam		NCM	
17	06	I	18	Dark Brown	Clay Loam		NCM	
17	06	II	33	Yellowish Brown	Sandy Silt		NCM	
17	07	I	16	Dark Brown	Silty Clay Loam		NCM	
17	07	II	35	Yellowish Brown	Sandy Silt		NCM	
17	08	I	18	Dark Brown	Silty Clay Loam		NCM	
17	08	II	37	Yellowish Brown	Sandy Silt		NCM	
17	09	I	15	Brown	Silty Clay Loam		NCM	
17	09	II	31	Yellowish Brown	Sandy Clay Loam		NCM	
17	10	I	15	Dark Brown	Silty Clay Loam		NCM	
17	10	II	33	Yellowish Brown	Sandy Clay Loam		NCM	
17	11	I	19	Dark Brown	Clayey Silt		NCM	
17	11	II	36	Yellowish Brown	Silt Loam		NCM	
17	12	I	17	Dark Brown	Silty Clay Loam		NCM	
17	12	II	35	Yellowish Brown	Clay Loam		NCM	
18	01	I	19	Grayish Brown	Silt Loam		NCM	Filled with Water
18	02	I	36	Grayish Brown	Silt Loam		NCM	Filled with Water
18	03	I	38	Grayish Brown	Silt Loam		NCM	Filled with Water
18	04	I	43	Grayish Brown	Silt Loam		NCM	
18	04	II	57	Yellowish Brown	Silt Loam		NCM	Filled with Water
18	05	I	62	Brown	Silt Loam		NCM	
18	06	I	35	Brown	Silt Loam		NCM	
18	06	II	45	Grayish Brown	Silt Loam		NCM	
18	07	I	51	Brown	Silt Loam		NCM	
18	08	I	31	Brown	Silt Loam		NCM	
18	08	II	43	Yellowish Brown	Sandy Silt		NCM	
18	09	I	39	Brown	Silt Loam		NCM	
18	09	II	49	Reddish Brown	Silt Loam		NCM	
18	10	I	53	Brown	Silt Loam		NCM	
18	11	I	63	Brown	Silt Loam		NCM	
18	12	I	8	Brown	Silt Loam		NCM	Filled with Water
19	01	I	4	Dark Brown	Silt Loam		NCM	Filled with Water
19	02	I	27	Dark Brown	Sandy Silt		NCM	
19	02	II	37	Reddish Brown	clay		NCM	
19	03	I	28	Dark Brown	Sandy Silt		NCM	
19	03	II	38	Reddish Brown	Clay		NCM	
19	04	I	27	Dark Brown	Sandy Silt		NCM	
19	04	II	37	Reddish Brown	Sandy Silt		NCM	
19	05	I	28	Dark Brown	Sandy Silt		NCM	
19	05	II	38	Yellowish Brown	Clay		NCM	
19	06	I	22	Dark Brown	Sandy Silt		NCM	
19	06	II	32	Reddish Brown	Clay		NCM	
19	07	I	27	Dark Brown	Clayey Silt		NCM	
19	07	II	37	Reddish Brown	Clay		NCM	
19	08	I	25	Dark Brown	Sandy Silt		NCM	
19	08	II	47	Reddish Brown	Sandy Clay Loam		NCM	
19	09	I	19	Dark Brown	Sandy Silt		NCM	
19	09	II	33	Reddish Brown	Clay		NCM	
19	10	I	24	Dark Brown	Sandy Silt		NCM	
19	10	II	41	Yellowish Brown	Clay		NCM	
19	11	I	11	Dark Brown	Sandy Silt		NCM	Filled with Water
20	01	I	17	Dark Brown	Clay Loam		NCM	
20	01	II	35	Dark Yellowish Brown	Clay Loam		NCM	
20	02	I	17	Dark Brown	Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
20	02	II	35	Dark Yellowish Brown	Clay Loam		NCM	
20	03	I	21	Dark Brown	Clay Loam		NCM	
20	03	II	36	Dark Yellowish Brown	Clay Loam		NCM	
20	04	I	22	Dark Brown	Clay Loam		NCM	
20	04	II	39	Dark Yellowish Brown	Clay Loam		NCM	
20	05	I	18	Dark Brown	Clay Loam		NCM	
20	05	II	39	Dark Yellowish Brown	Clay Loam		NCM	
20	06	I	20	Dark Brown	Clay Loam		NCM	
20	06	II	40	Reddish Brown	Clay Loam		NCM	
20	07	I	28	Dark Brown	Sandy Silt		NCM	
20	07	II	60	Reddish Brown	Sandy Clay Loam		NCM	
20	08	I	27	Dark Brown	Sandy Silt		NCM	
20	08	II	46	Reddish Brown	Sandy Silt		NCM	
20	09	I	22	Dark Brown	Sandy Silt		NCM	
20	09	II	45	Reddish Brown	Sandy Silt		NCM	
20	10	I	18	Dark Brown	Sandy Silt		NCM	Filled with Water
20	11	I	15	Brown	Sandy Silt		NCM	Filled with Water
21	01	I	0				NCM	Standing Water
21	02	I	21	Dark Brown	Silty Clay Loam		NCM	
21	02	II	37	Yellowish Brown	Silt Loam		NCM	
21	03	I	18	Dark Brown	Silty Clay Loam		NCM	
21	03	II	39	Reddish Brown	Clay Loam		NCM	
21	04	I	16	Dark Brown	Silty Clay Loam		NCM	
21	04	II	35	Yellowish Brown	Clay Loam		NCM	
21	05	I	0				NCM	Standing Water
21	06	I	14	Dark Brown	Silty Clay Loam		NCM	
21	06	II	32	Reddish Brown	Clay Loam		NCM	
21	07	I	18	Dark Brown	Silty Clay Loam		NCM	
21	07	II	39	Yellowish Brown	Clay Loam		NCM	
21	08	I	25	Dark Brown	Silt Loam		NCM	
21	08	II	40	Yellowish Brown	Silt Loam		NCM	
21	09	I	23	Dark Brown	Silt Loam		NCM	
21	09	II	36	Yellowish Brown	Silty Clay Loam		NCM	
21	10	I	31	Dark Brown	Sandy Silt		NCM	
21	10	II	46	Reddish Brown	Sandy Silt		NCM	
21	11	I	18	Dark Brown	Sandy Silt		NCM	Filled with Water
22	01	I	0				NCM	Standing Water
22	02	I	24	Brown	Silty Clay Loam		NCM	
22	02	II	34	Light Brown	Silty Clay Loam		NCM	
22	03	I	24	Brown	Silty Clay Loam		NCM	
22	03	II	35	Light Brown	Silty Clay Loam		NCM	
22	04	I	26	Brown	Silty Clay Loam		NCM	
22	04	II	36	Light Brown	Silty Clay Loam		NCM	Filled with Water
22	05	I	0				NCM	Standing Water
22	06	I	0				NCM	Standing Water
22	07	I	18	Brown	Silty Clay Loam		NCM	
22	07	II	30	Light Brown	Silty Clay Loam		NCM	
22	08	I	19	Brown	Silty Clay Loam		NCM	
22	08	II	31	Yellowish Brown	Silty Clay Loam		NCM	
22	09	I	23	Brown	Silt Loam		NCM	
22	09	II	37	Light Brown	Silty Clay Loam		NCM	
22	10	I	23	Brown	Silt Loam		NCM	
22	10	II	34	Yellowish Brown	Clay Loam		NCM	
22	11	I	19	Brown	Silty Clay Loam		NCM	
22	11	II	36	Yellowish Brown	Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
23	01	I	18	Brown	Silt Loam		NCM	
23	01	II	31	Reddish Brown	Silt Loam		NCM	
23	02	I	36	Brown	Silt Loam		NCM	
23	02	II	48	Yellowish Brown	Loam		NCM	
23	03	I	25	Brown	Silt Loam		NCM	
23	03	II	35	Yellowish Brown	Clay Loam		NCM	
23	04	I	39	Brown	Silt Loam		NCM	
23	04	II	49	Yellowish Brown	Silt Loam		NCM	
23	05	I	0				NCM	Standing Water
23	06	I	26	Grayish Brown	Silt Loam	Rocks	NCM	Filled with Water
23	07	I	25	Brown	Silt Loam		NCM	
23	07	II	35	Yellowish Brown	Silt Loam		NCM	
23	08	I	22	Brown	Silt Loam		NCM	
23	08	II	37	Yellowish Brown	Clay Loam		NCM	
23	09	I	27	Brown	Silt Loam		NCM	
23	09	II	41	Yellowish Brown	Silty Clay Loam		NCM	
23	10	I	25	Brown	Silt Loam		NCM	
23	10	II	41	Yellowish Brown	Silt Loam		NCM	
23	11	I	23	Brown	Silty Clay Loam		NCM	
23	11	II	40	Yellowish Brown	Silt Loam		NCM	
24	01	I	23	Brown	Silty Clay Loam		NCM	
24	01	II	35	Light Brown	Silty Clay Loam		NCM	Filled with Water
24	02	I	22	Brown	Silty Clay Loam		NCM	
24	02	II	33	gray	Silty Clay Loam		NCM	Filled with Water
24	03	I	26	Brown	Silty Clay Loam		NCM	
24	03	II	36	gray	Silty Clay Loam		NCM	Filled with Water
24	04	I	29	Brown	Sandy Clay Loam		NCM	
24	04	II	39	Yellowish Brown	Sandy Clay Loam		NCM	
24	05	I	28	Brown	Sandy Clay Loam		NCM	
24	05	II	40	Yellowish Brown	Sandy Clay Loam		NCM	
24	06	I	24	Brown	Silty Clay Loam		NCM	
24	06	II	34	Light Yellowish Brown	Silty Clay Loam		NCM	
24	07	I	26	Brown	Silty Clay Loam		NCM	
24	07	II	36	Light Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
24	08	I	25	Brown	Silt Loam		NCM	
24	08	II	43	Yellowish Brown	Silt Loam		NCM	
24	09	I	21	Brown	Silty Clay Loam		NCM	
24	09	II	36	Yellowish Brown	Silt Loam		NCM	
24	10	I	23	Brown	Silt Loam		NCM	
24	10	II	26	Yellowish Brown	Silty Clay Loam		NCM	Filled with Water
24	11	I	25	Brown	Silt Loam		NCM	
24	11	II	43	Yellowish Brown	Silt Loam		NCM	
25	01	I	16	Dark Brown	Silty Clay Loam		NCM	
25	01	II	33	Yellowish Brown	Silty Clay Loam		NCM	
25	02	I	18	Dark Brown	Silty Clay Loam		NCM	
25	02	II	35	Yellowish Brown	Silty Clay Loam		NCM	
25	03	I	18	Dark Brown	Silty Clay Loam		NCM	
25	03	II	35	Yellowish Brown	Clay Loam		NCM	
25	04	I	19	Dark Brown	Silty Clay Loam		NCM	
25	04	II	35	Yellowish Brown	Clay Loam		NCM	
25	05	I	17	Dark Brown	Silty Clay Loam		NCM	
25	05	II	33	Yellowish Brown	Clay Loam		NCM	
25	06	I	15	Dark Brown	Silty Clay Loam		NCM	
25	06	II	33	Reddish Brown	Silty Clay Loam		NCM	
25	07	I	15	Dark Brown	Silty Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
25	07	II	33	Yellowish Brown	Clay Loam		NCM	
26	01	I	23	Brown	Silt Loam		NCM	
26	01	II	33	Yellowish Brown	Silt Loam		NCM	
26	02	I	26	Grayish Brown	Silt Loam		NCM	
26	02	II	36	Yellowish Brown	Silty Clay Loam		NCM	
26	03	I	32	Brown	Silt Loam		NCM	
26	03	II	50	gray	silt		NCM	Filled with Water
26	04	I	32	Brown	Silt Loam		NCM	
26	04	II	42	Yellowish Brown	Loam		NCM	
26	05	I	22	Brown	Silt Loam		NCM	
26	05	II	36	Reddish Brown	Clay Loam		NCM	
26	06	I	18	Brown	Silt Loam	Rocks	NCM	
26	07	I	31	Brown	Silt Loam		NCM	
26	07	II	41	Yellowish Brown	silt		NCM	
27	01	I	19	Dark Brown	Clay Loam		NCM	
27	01	II	35	Reddish Brown	Clay Loam		NCM	
27	02	I	21	Dark Brown	Clay Loam		NCM	
27	02	II	37	Yellowish Brown	Clay Loam		NCM	
27	03	I	19	Dark Brown	Clay Loam		NCM	
27	03	II	35	Yellowish Brown	Clay Loam		NCM	
27	04	I	0				NCM	Standing Water
27	05	I	22	Dark Brown	Clay Loam		NCM	
27	05	II	33	Dark Grayish Brown	Clay Loam		NCM	
27	06	I	21	Dark Brown	Clay Loam		NCM	
27	06	II	35	Reddish Brown	Clay Loam		NCM	Filled with Water
28	01	I	22	Dark Brown	Silt Loam		NCM	
28	01	II	32	Yellowish Brown	Sandy Silt		NCM	
28	02	I	37	Dark Brown	Loam		NCM	
28	02	II	47	Yellowish Brown	Sandy Silt		NCM	
28	03	I	23	Dark Brown	Silt Loam		NCM	
28	03	II	33	Yellowish Brown	Sandy Silt		NCM	
28	04	I	36	Dark Brown	Silt Loam		NCM	
28	04	II	46	Yellowish Brown	Sandy Silt		NCM	
28	05	I	33	Dark Brown	Silt Loam		NCM	
28	05	II	43	Yellowish Brown	Sandy Silt		NCM	
28	06	I	24	Dark Brown	Silt Loam		NCM	
28	06	II	34	Reddish Brown	Sandy Silt		NCM	
29	01	I	46	Brown	Silt Loam	Rocks	NCM	
29	02	I	43	Grayish Brown	Silt Loam		NCM	
29	02	II	55	Grayish Brown	Silt Loam		NCM	Filled with Water
29	03	I	24	Brown	Silt Loam		NCM	
29	03	II	34	Yellowish Brown	Silt Loam		NCM	
29	04	I	31	Brown	Silt Loam		NCM	
29	04	II	41	Yellowish Brown	Silt Loam		NCM	
29	05	I	23	Brown	Silt Loam		NCM	
29	05	II	37	Yellowish Brown	Silt Loam		NCM	
29	06	I	16	Brown	Silt Loam		NCM	
29	06	II	26	Yellowish Brown	Silt Loam		NCM	Filled with Water
30	01	I	38	Dark Brown	Silt Loam		NCM	
30	01	II	48	Yellowish Brown	silt		NCM	
30	02	I	38	Dark Brown	Silt Loam		NCM	
30	02	II	48	Yellowish Brown	Sandy Silt		NCM	
30	03	I	22	Dark Brown	Clay Loam		NCM	
30	03	II	38	Dark Yellowish Brown	Clay Loam		NCM	
30	04	I	28	Dark Brown	Silt Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
30	04	II	38	Reddish Brown	Sandy Silt		NCM	
31	01	I	12	Yellowish Brown	Silty Clay Loam		NCM	
31	01	II	31	Yellowish Brown	Sandy Silt		NCM	
31	02	I	19	Brown	Silty Clay Loam		NCM	
31	02	II	31	Yellowish Brown	Silty Clay Loam		NCM	
31	03	I	0				NCM	Standing Water
31	04	I	0				NCM	Standing Water
31	05	I	19	Dark Brown	Silty Clay Loam		NCM	
31	05	II	37	Yellowish Brown	Clay Loam		NCM	
32	01	I	43	Light Brown	Sandy Silt	Rocks	NCM	
32	01	II	53	Dark Brown	Silt Loam		NCM	
32	02	I	20	Dark Brown	Silty Clay Loam		NCM	
32	02	II	37	Dark Yellowish Brown	Silty Clay Loam		NCM	
32	03	I	30	Brown	Silt Loam		NCM	
32	03	II	40	Yellowish Brown	Sandy Silt		NCM	
32	04	I	31	Brown	Silt Loam		NCM	
32	04	II	41	Light Brown	Sandy Silt		NCM	
32	05	I	16	Brown	Silt Loam		NCM	
32	05	II	32	Light Brown	Sandy Silt		NCM	
32	06	I	24	Brown	Silt Loam		NCM	
32	06	II	45	Yellowish Brown	Sandy Silt		NCM	
32	07	I	24	Brown	Silt Loam		NCM	
32	07	II	43	Yellowish Brown	Sandy Silt		NCM	
32	08	I	31	Brown	Silt Loam		NCM	
32	08	II	42	Yellowish Brown	Silty Clay Loam		NCM	
33	01	I	21	Dark Brown	Silt Loam		NCM	
33	01	II	38	Yellowish Brown	Silty Clay Loam		NCM	
33	02	I	32	Brown	Silty Clay Loam		NCM	
33	02	II	42	Yellowish Brown	Silty Clay Loam		NCM	
33	03	I	26	Dark Brown	Silt Loam		NCM	
33	03	II	41	Yellowish Brown	Silty Clay Loam		NCM	
33	04	I	25	Dark Brown	Silt Loam		NCM	
33	04	II	41	Yellowish Brown	Silt Loam		NCM	
33	05	I	28	Brown	Silt Loam		NCM	
33	05	II	43	Yellowish Brown	Silty Clay Loam		NCM	
33	06	I	22	Dark Brown	Silt Loam		NCM	
33	06	II	47	Yellowish Brown	Silty Clay Loam		NCM	
33	07	I	31	Dark Brown	Silt Loam		NCM	
33	07	II	46	Reddish Brown	Silt Loam		NCM	
33	08	I	28	Dark Brown	Silt Loam		NCM	
33	08	II	43	Yellowish Brown	Sandy Silt		NCM	
34	01	I	37	Dark Brown	Silt Loam		1 pc. whiteware (1860+)	
34	01	II	47	Reddish Brown	Sandy Silt		NCM	
34	02	I	41	Dark Brown	Silt Loam	Rocks	NCM	
34	02	II	51	Reddish Brown	Sandy Silt		NCM	
34	03	I	39	Dark Brown	Silt Loam	Rocks	NCM	
34	03	II	49	Reddish Brown	Sandy Silt		NCM	
34	04	I	35	Dark Brown	Silt Loam	Rocks	NCM	
34	04	II	45	Reddish Brown	Sandy Silt		NCM	
34	05	I	33	Dark Brown	Silt Loam	Gravel	NCM	
34	06	I	35	Dark Brown	Sandy Silt	Gravel	NCM	
35	01	I	50	Dark Brown	Silt Loam		NCM	
35	02	I	50	Dark Yellowish Brown	Silty Clay Loam		NCM	
35	03	I	45	Dark Yellowish Brown	Silty Clay Loam		NCM	
35	03	II	55	Yellowish Brown	Silty Clay Loam		NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
35	04	I	30	Dark Brown	Silt Loam	Roots	NCM	
35	05	I	36	Dark Brown	Sandy Silt	Roots	NCM	
35	06	I	0			Gravel	NCM	
35	07	I	20	Dark Brown	Silt Loam		NCM	
35	07	II	35	Yellowish Brown	Silty Clay Loam		NCM	
36	01	I	50	Dark Brown	Sandy Clay Loam		NCM	
36	02	I	50	Dark Brown	Sandy Loam		NCM	
36	03	I	50	Dark Brown	Sandy Clay Loam		NCM	
36	04	I	12	Dark Brown	Silt Loam	Concrete pad	8 pc. square cut nails (1830+) 1 pc. clear glass 1 pc. clear window glass	
37	01	I	50	Dark Brown	Sandy Loam		NCM	
37	02	I	50	Dark Brown	Sandy Clay Loam		NCM	
37	03	I	25	Dark Brown	Sandy Loam	Roots	NCM	
38	01	I	32	Dark Brown	Silt Loam		7 pc. square cut nails (1830+) 3 pc. wire nails (1850+) 1 pc. clear glass 3 pc. clear window glass	
38	01	II	42	Light Brown	Sandy Loam		NCM	
39	01	I	33	Dark Brown	Silt Loam	Gravel	NCM	
39	01	II	44	Yellowish Brown	Silt Loam	Gravel	NCM	
40	01	I	29	Dark Brown	Silt Loam		2 pc. brick 1 pc. square cut nail (1830+) 2 pc. linoleum/vinyl tile 8 pc. clear window glass 1 pc. clear glass	
40	01	II	50	Dark Brown	Clay Loam	Gravel	NCM	
41	01	I	50	Dark Brown	Silt Loam	Gravel	3 pc. square cut nails (1830+)	
42	01	I	54	Dark Brown	Silt Loam		1 pc. clear window glass 1 pc. square cut nail (1830+) 1 pc. unidentified nail 1 pc. brick 6 pc. medium mammal bone 2 pc. Coal	
43	01	I	50	Dark Brown	Sandy Silt		NCM	
44	01	I	5	Dark Brown	Silt Loam	Gravel	3 pc. flow blue whiteware (1840-1879) 3 pc. clear glass 2 pc. window glass 2 pc. medium mammal bone 1 pc. brick 1 pc. square cut nail 2 pc. round nail 4 pc. linoleum /vinyl flooring tile 1 pc. Coal	
45	01	I	28	Dark Brown	Sandy Loam		1 pc. round nail (1850+) 2 pc. large nails/brads 1 pc. medium mammal bone 1 pc. ironstone (1870+) 1 pc. metal ring 1 pc. spark plug 1 pc. brown bottle glass 3 pc. clear window glass	
45	01	II	38	Light Brown	Sandy Loam		NCM	
46	01	I	32	Dark Brown	Silt Loam		1 pc. Rockingham ware (1840-1900) 1 pc. clear glass 1 pc. wire nail (1850+) 1 pc. large metal staple	
46	01	II	42	Light Brown	Sandy Loam	Gravel	NCM	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
47	01	I	50	Dark Brown	Sandy Loam	Gravel	NCM	

Appendix IV
Site Forms

NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier

Project Identifier **Date** March 2014

Your Name: Paul Powers and Kyle Somerville **Phone** (585) 266- 4180
Address P.O. Box 77172
Rochester, NY 14617

Organization (if any) Powers & Teremy, LLC

1. **SITE IDENTIFIER**(S): Mill Seat Landfill #2 Site

2. **COUNTY** Monroe One of the following: **CITY**: -
TOWNSHIP: Riga
INCORPORATEDVILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. **PRESENT OWNER**: Monroe County Department of Environmental Services
Address 39 W. Main St.,Rochester, NY 14614
3a. **PRESENT OWNER** Waste Management of New York, LLC
Address 303 Brew Road, Bergen, NY 14416

4. SITE DESCRIPTION (check all appropriate categories):

Site

__Stray Find	___Cave/Rock shelter	___Workshop
__Pictograph	___Quarry	___Mound
__Burial	__ Shell Midden	___Village
_**X**_Surface Evidence	___Camp	___Material in plow zone
__Material below plow zone	___Buried evidence	___Intact Occupation floor
__Single component	___Evidence of features	___Stratified
	___Multicomponent	

Location

_**X**_Under cultivation	___Never cultivated	___Previously cultivated
___Pastureland	___Woodland	___Floodplain
__ Upland		___ Sustaining erosion

Soil Drainage: excellent ___ good ___ fair **X** poor
Slope: flat ___ gentle ___ moderate ___ steep
Distance to nearest water from site (approx.): 227 ft
Elevation: 642 ft AMSL to 663 ft AMSL

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface--date(s) 6/2013-7/2013
_X_Site map (Submit with form)
_X_Collection

Subsurface--date(s)
Testing: shovel ___ coring ___ other_____ unit size
no. of units _____ (Submit plan of units with form)
Excavation: unit size _____ no. of units

Investigators: Powers & Teremy, LLC
Manuscript or published report(s) (reference fully):

2014 Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Present repository of materials: Powers & Teremy, LLC, Rochester NY

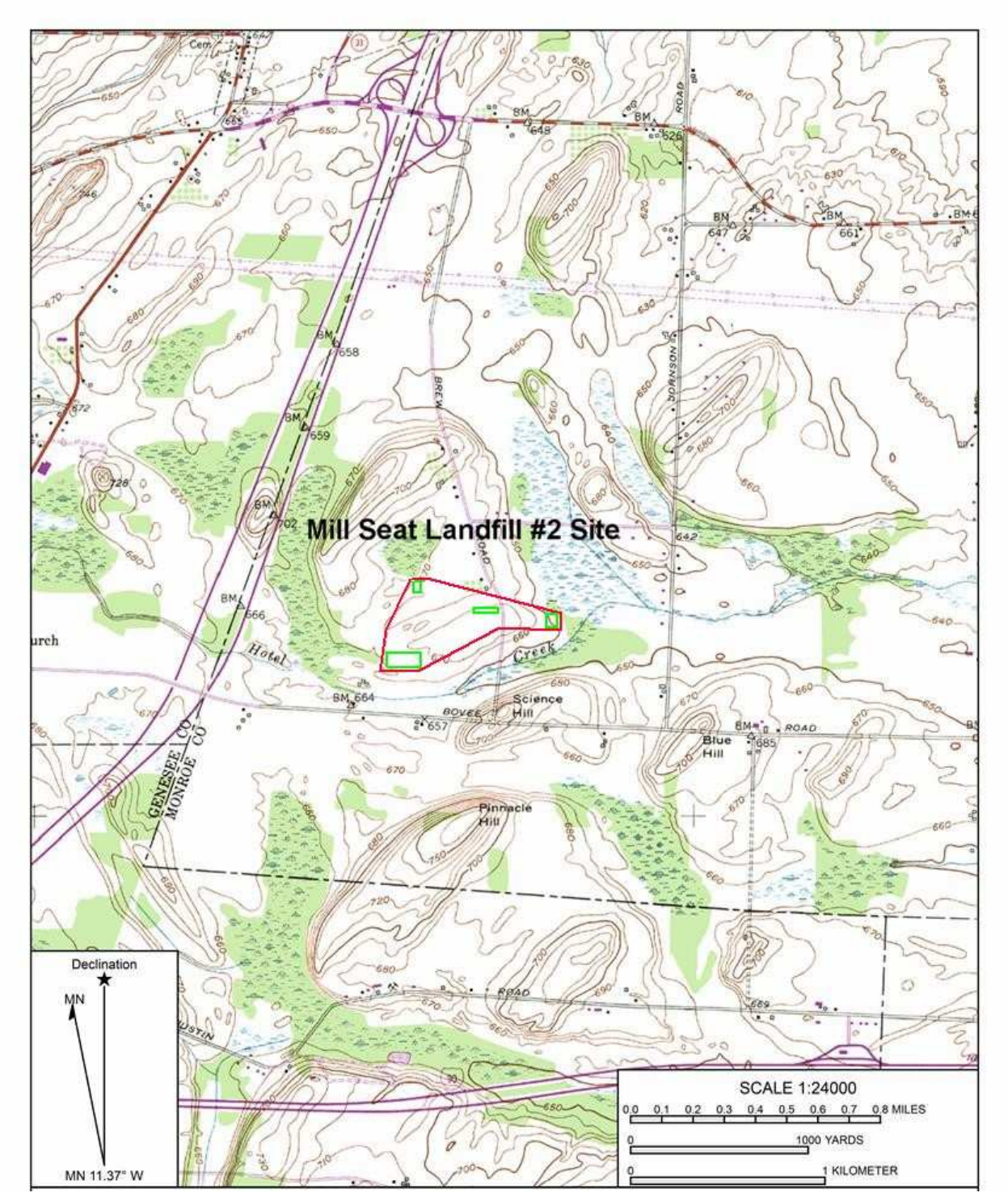
6. **COMPONENT(S)** (cultural affiliation/dates):
Archaic Brewerton Complex (middle to late archaic period) between 4000 to 3000 B.C.)

7. **LIST OF MATERIAL REMAINS** (be specific as possible in identifying object and material):
The Mill Seat Landfill Site #2 is a prehistoric site comprised of four loci situated north of Bovee Road. Walkover reconnaissance was conducted within farm fields where the four loci are found. Locus I is located in the northeastern quadrant of the APE, north of Bovee Road and west of Brew Road, and is comprised of 2 find spots. Locus I measures approximately 31,799-ft2 / 2,954-m2. Locus II is located in the southwest-central section of the APE, and contains 3 find spots. Locus II measures approximately 43,560-ft2 / 4,047-m2. Locus III is located in the northeastern quadrant of the APE on the west side of Brew Road, and contains 4 find spots. Locus III measures approximately 40,075-ft2 / 3,723-m2. Locus IV is located in northeast quadrant of the APE, on the eastern boundary, and is comprised of 14 find spots. Locus IV measures approximately 42,558-ft2 / 3,957-m2. The attached table summarizes all find spots associated with specific loci within the Mill Seat Landfill Site, artifacts encountered, and artifact categories represented within the site boundaries.

There were a total of 34 artifacts recovered from 25 separate surface find spots within the four loci comprising the Mill Seat Landfill Site #2. Artifacts recovered from the Mill Seat Landfill Site #2 belong to four separate artifact categories, including Chert Flakes (82%), Faunal (3%), Projectile Point (7.5%), and Biface (7.5%). All of the lithic artifacts recovered from the Mill Seat Landfill Site #2 appear to have been manufactured from Onondaga chert. The lithic assemblage is comprised of both debitage and bifaces, and projectile points manufactured from Onondaga chert. The majority of the lithic assemblage was recovered from a scatter located at the far end of a field on the east side of Brew Road (Loci #4). The scatter was possibly part of a centralized lithic reduction area which was plowed over during farming and spread over a larger area. A total of three projectile points and four biface fragments were recovered. All of the projectile points are manufactured of Onondaga chert. One point was identified as a Brewerton side-notched projectile point, and the others are identified as "untyped" (Ritchie 1971). Brewerton side-notched projectile points are recovered from throughout the state of New York. The Brewerton side-notched projectile point recovered was manufactured from gray Onondaga chert and exhibits a broad, side-notched point of medium size. The point is 4.9 cm in height, 1.9 cm in base length and approximately .5 cm in thickness. The blade edges are slightly curved with the stem being side-notched with an expanded smooth base. The Brewerton side-notched projectile point is associated the Archaic Brewerton Complex (middle to late archaic period) between 4000 to 3000 B.C. (Ritchie 1971).

If historic materials are evident, check here and fill out historic site form

8. MAP REFERENCES



USGS 7.5 Minute Series Quad: 1950 USGS 7.5' Churchville, N.Y. Quadrangle (Photorevised 1978)
UTM Coordinates: (043° 03' 0.13"N, 077° 55' 49.14"W)

Mill Seat Landfill #2 Site
Phase IA and IB (Phase I) Cultural Resource Investigations
For the Proposed Mill Seat Landfill Expansion Project,
Town of Riga, Monroe County, New York

Key:

- Approximate Site Boundary
- Loci Location
- fn81 Chert Flake
- fn82 Diagnostic Lithic Artifact
- Photograph Angle

SCALE 1:3500

0 100 200 300 400 500 600 700

FEET

9. **Photography**: Site Photo Attached

Typical conditions, just south of Locus #3

Locus #4, looking south.

Phase I Artifacts Recovered

Locus	FN	Number of artifacts	Description	Prehistoric Artifact Categories
1	99	2	1 pc. biface fragment 1 pc. pig bone	Biface (2.5%) Faunal (2.5%)
1	102	1	1 pc. flake	Chert Flake (2.5%)
2	79	1	1 pc. flake	Chert Flake (2.5%)
2	80	1	1 pc. flake	Chert Flake (2.5%)
2	81	1	1 pc. biface fragment	Biface (2.5%)
2	82	1	1 pc. Breweton projectile side notched projectile point (4000BC – 3000BC)	Projectile Point (2.5%)
3	92	6	6 pc. flake	Chert Flake (15%)
3	96	1	1 pc. flake	Chert Flake (2.5%)
3	98	1	1 pc. untyped broad-bladed, contracting stemmed projectile point	Projectile Point (2.5%)
4	83	2	2 pc. flake	Chert Flake (5%)
4	84	1	1 pc. flake	Chert Flake (2.5%)
4	85	1	1 pc. flake	Chert Flake (2.5%)
4	86	1	1 pc. flake	Chert Flake (2.5%)
4	87	1	1 pc. flake	Chert Flake (2.5%)
4	89	1	1 pc. flake	Chert Flake (2.5%)
4	90	1	1 pc. flake	Chert Flake (2.5%)
4	91	1	1 pc. flake	Chert Flake (2.5%)
4	94	1	1 pc. biface	Biface (2.5%)
4	95	6	6 pcs. flakes	Chert Flake (15%)
4	101	2	1 pc. biface fragment 1 pc. flake	Chert Flake (2.5%) Biface (2.5%)
4	103	2	2 pcs. flakes	Chert Flake (5%)
4	104	2	2 pcs. flakes	Chert Flake (5%)
4	105	2	1 pc. untyped broad-bladed, corner notched projectile point 1 pc. flake	Projectile Point (2.5%) Chert Flake (2.5%)

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier

Project Identifier

Your Name Powers & Teremy, LLC **Date** March 2014

Address P.O. Box 77172, Rochester NY, 14617
Phone (585) 266-4180

Organization (if any)
1. SITE IDENTIFIER(S) Menzie Site

2. COUNTY Monroe One of the following: CITY
TOWNSHIP Town of Riga

INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER Waste Management of New York, LLC
Address 303 Brew Road, Bergen, NY 14416

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete X partial ___ collapsed ___ not evident
Foundation: above X below ___ (ground level) not evident
X Structural subdivisions apparent ___ Only surface traces visible (domestic refuse scatter)
___ Buried traces detected
List construction materials (be as specific as possible):

Grounds
X Under cultivation ___Sustaining erosion ___Woodland ___Upland
___Never cultivated X Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good X fair ___ poor
Distance to nearest water from structure (approx.): 1,528 ft
Elevation: 647 ft AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) June and July 2013 Site map (submit with form*)
Collection
Subsurface -- date(s)
Testing: shovel X coring ___ other ___ unit size 30 cm X 30 cm
no. units _____ (Submit plan of units with form*)

Excavation: unit size 0 no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Powers & Teremy, LLC

Manuscript or published report (s) (reference fully):
2014 Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Present repository of materials: Powers & Teremy, LLC

6. Site inventory:
   a. Date constructed or occupation period 19th-20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name D.Menzie Date 1858 Source Gillette Map

      Present location of original, if known Rochester Pubilc Library

      2) Name H.J.Menzie Date 1924 Source Hopkins Map

      Present location of original, if known Rochester Public Library

   b. Representation in existing photography
   1) Photo date 02/2014 Where located: From Bovee Road, looking south
   2) Photo date 02/2014 Where located: From Bovee Road, looking southeast

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name _____ Address
      2) Name _____ Address

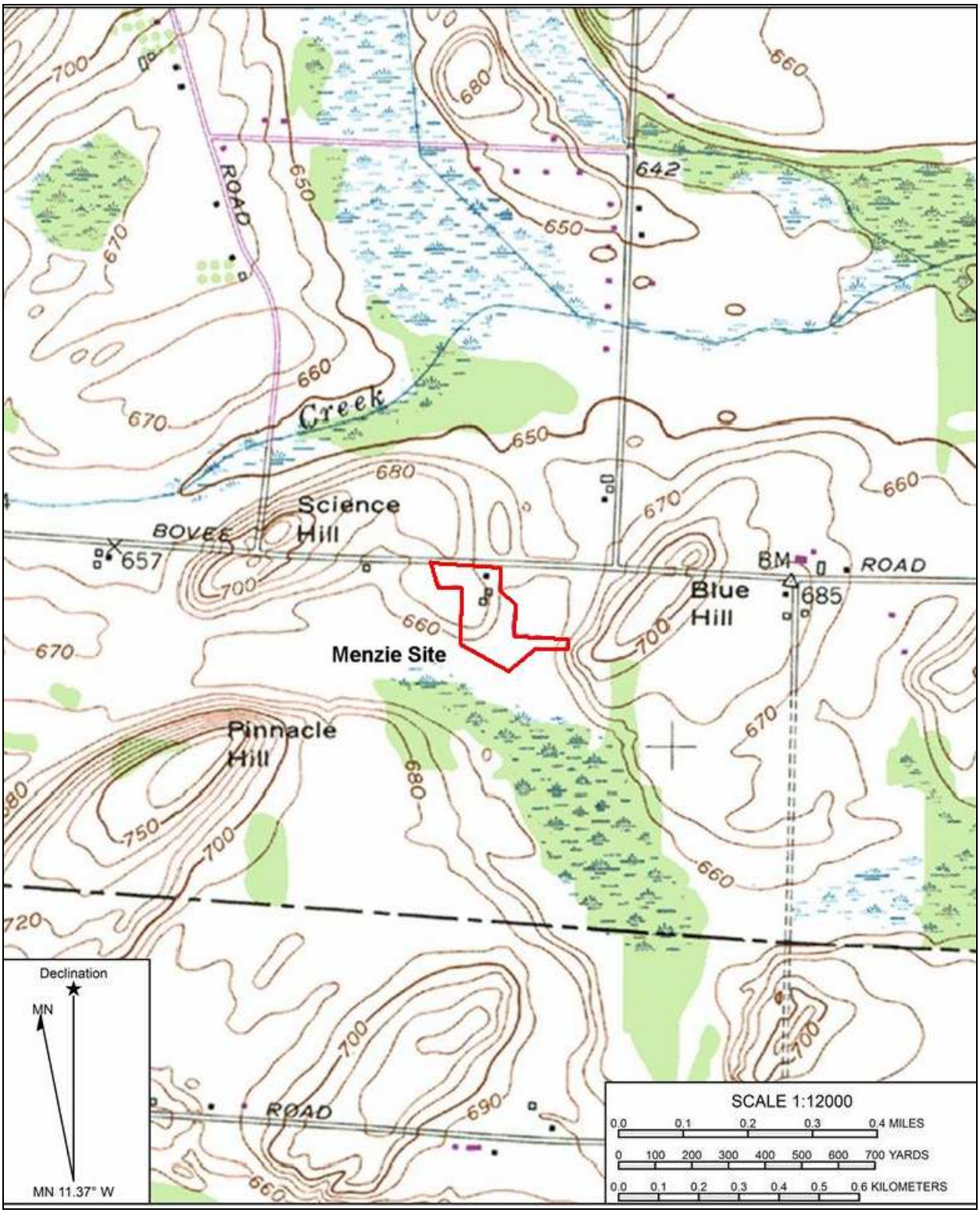
8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): The Menzie Site surrounds an extant ca. 1860's residential structure (# 515 Bovee Road) situated in the southeast quadrant of the APE just on the south side of Bovee Road. Excavations reached a maximum of 54 cm / 24 in below datum. The site is irregularly shaped, and encompasses approximately 6 acres / 2.43 hectares. The site consists of farm field, mown lawn with several large trees, a fallow vegetable garden to the immediate west of the residence, two modern metal-sided sheds to the west and south of the residence, and a barn, also located to the south of the residence (Appendix I). The residential structure is currently occupied. Examinations of historic maps indicate at least one outbuilding on the western side of the residence, probably the site of the modern shed located to the west of the residence. Except for a propane tank and driveway to the east of the residence, visual inspection revealed little obvious disturbance within and adjacent to the site.

Walkover reconnaissance in the farm fields surrounding # 515 Bovee Road resulted in the placement of 22 find spots (FN's). A total of 30 shovel tests(STP's) were excavated in the vicinity of the residence: 20 at 7.5 m / 25 ft intervals in the front lawn of the residence, and 10 at the cardinal points around the residence at approximately 2.5 m / 8 ft intervals. 9 of the 30 shovel tests excavated contained cultural material.

There were a total of 127 artifacts recovered from 22 surface find spots and nine positive shovel tests within the Menzie Site, 88 from the immediate vicinity of the residence. Artifacts recovered from the site belong to five separate functional groups: Architectural (50%), Kitchen (37%), Faunal (7%), Lithic (4%), and Miscellaneous (2%). Included among the recovered artifacts were five chert flakes. Given the presence of the Mill Seat Landfill Site#2 site north of the Menzie site, it is possible these artifacts are associated with Mill Seat Landfill Site #2.

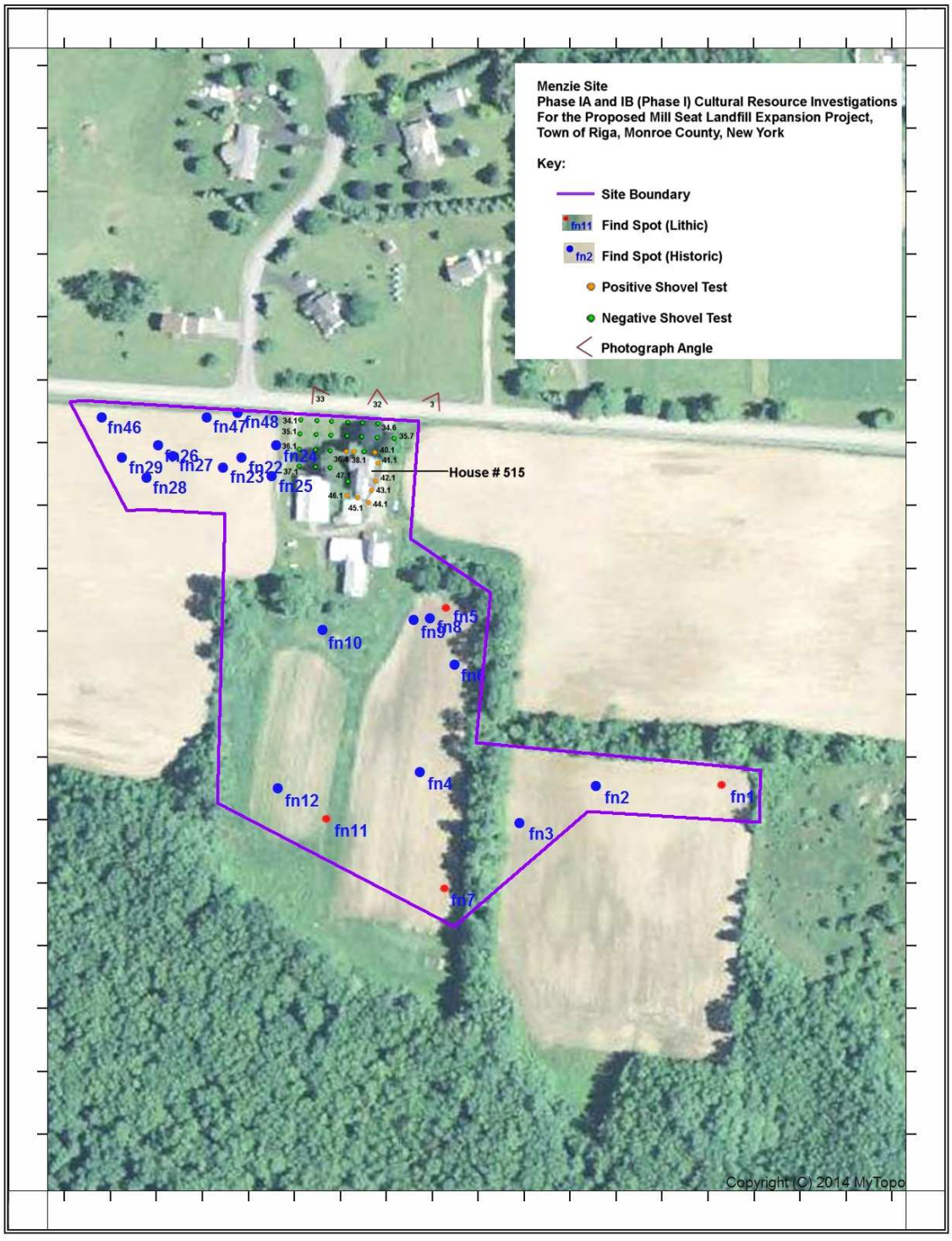
If prehistoric materials are evident, check here and fill out prehistoric site form. X
Five chert flakes were recovered, possibly associated with Mill Seat Landfill Site#2

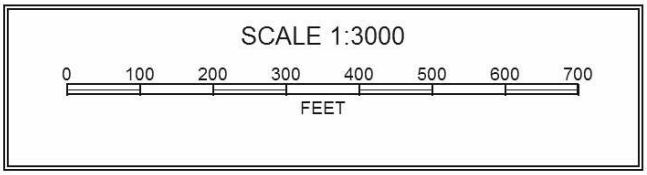
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.



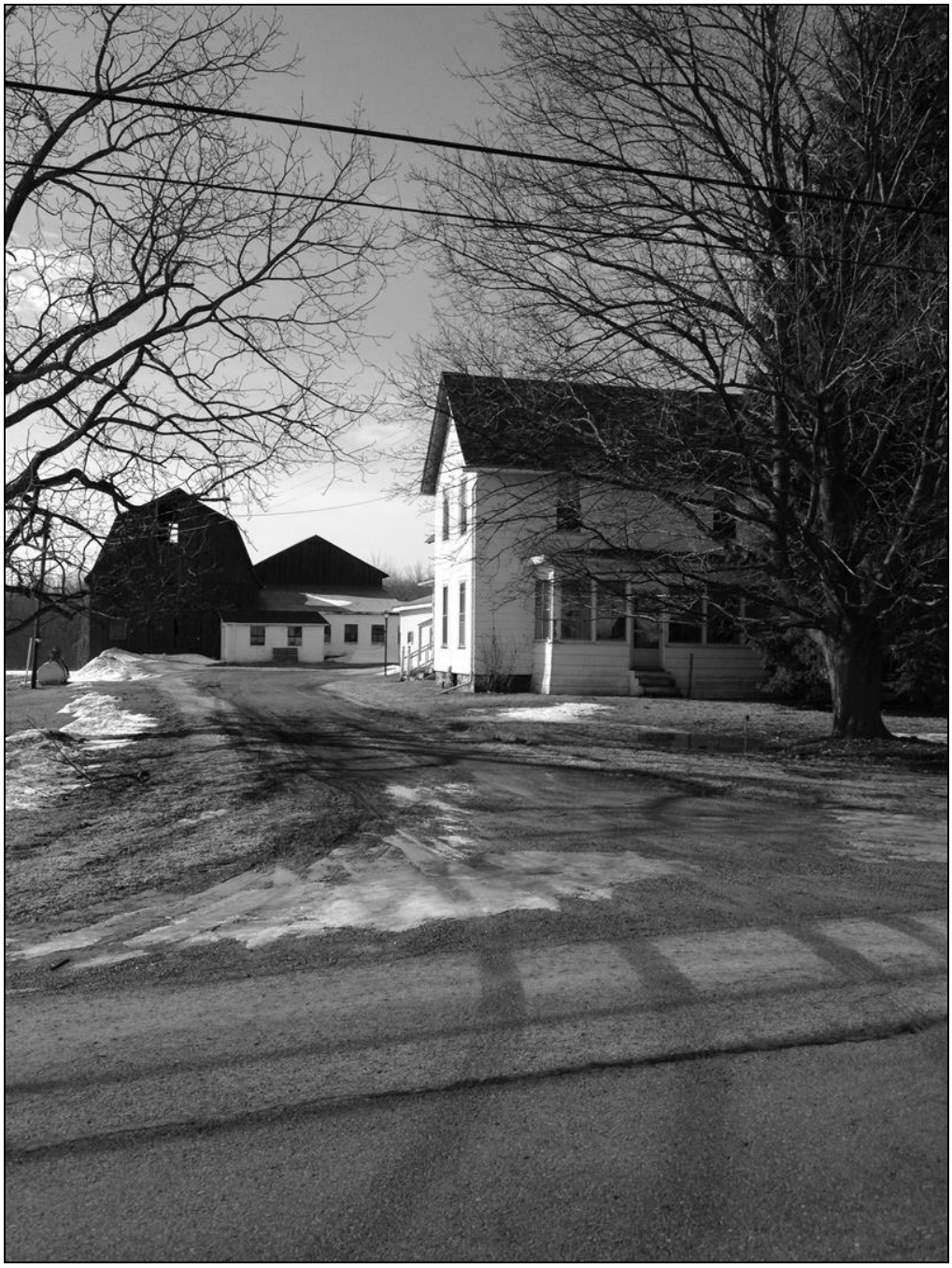
USGS 71/2 Minute Series Quad. Name: 1950 USGS 7.5' Churchville, N.Y. Quadrangle (Revised 1978)
U.S. Government Printing Office. Washington, D.C

For Office Use Only--UTM Coordinates N 43° 02’ 42.63” W 77° 55' 20.45"





10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



Menzie Site, including #515 Bovee Road, looking south.

Menzie Site, looking southeast.

7. a. Historic map references

Beers, F.W. (1872), *Atlas of Monroe County, New York*. New York City.

Beers, J.B. (1887), *Map of Monroe County, New York*. New York City.

Gillette, John E. (1858), *Gillette's map of Monroe County, New York, from actual surveys*. Philadelphia.

Hopkins, G.M. (1924), *Plat book of Monroe County, New York*. Philadelphia.

Lathrop, J.M. (1902), *Plat book of Monroe County, New York*. Philadelphia.

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material)

STP/FN	Layer/level	Number of artifacts	Description	Functional group
34.1	L1, 0-37 cmbd	1	1 pc. whiteware (1860+)	Kitchen (.08%)
36.4	L1, 0-12 cmbd	10	8 pc. square cut nails (1830+) 1 pc. clear glass 1 pc. clear window glass	Architectural (6%) Kitchen (.08%)
NW	L1, 0-42 cmbd	14	7 pc. square cut nails (1830+) 3 pc. wire nails (1850+) 1 pc. clear glass 3 pc. clear window glass	Architectural (93%) Kitchen (.08%)
NE	L1, 0-29 cmbd	14	2 pc. brick 1 pc. square cut nail (1830+) 2 pc. linoleum/vinyl tile 8 pc. clear window glass 1 pc. clear glass	Architectural (10%), Kitchen (.08%)
E	L1, 0-50 cmbd	3	3 pc. square cut nails (1830+)	Architectural (2%)
E Kitchen	L1, 0-54 cmbd	12	1 pc. clear window glass 1 pc. square cut nail (1830+) 1 pc. unidentified nail 1 pc. brick 6 pc. medium mammal bone 2 pc. coal	Architectural (3%) Faunal (5%) Miscellaneous (2%)
SE	L1, 0-5 cmbd	19	3 pc. flow blue whiteware (1840-1879) 3 pc. clear glass 2 pc. window glass 2 pc. medium mammal bone 1 pc. brick 1 pc. square cut nail 2 pc. round nail 4 pc. linoleum /vinyl flooring tile 1 pc. coal	Architectural (8%) Faunal (11%) Kitchen (2%) Miscellaneous (.08%)
S	L1, 0-28 cmbd	11	1 pc. round nail (1850+) 2 pc. large nails/brads 1 pc. medium mammal bone 1 pc. ironstone (1870+) 1 pc. metal ring 1 pc. spark plug 1 pc. brown bottle glass 3 pc. clear window glass	Architectural (2%) Faunal (.08%) Kitchen (2%) Miscellaneous (2%)
SW	L1, 0-32 cmbd	4	1 pc. Rockingham ware (1840-1900) 1 pc. clear glass 1 pc. wire nail (1850+) 1 pc. large metal staple	Architectural (2%) Kitchen (2%)
1	Surface	1	1 pc. flake	Lithics (.08%)

STP/FN	Layer/level	Number of artifacts	Description	Functional group
2	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
3	Surface	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (.08%)
4	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
5	Surface	3	2 pc. flake 1 pc. whiteware (1860+)	Lithics (2%) Kitchen (.08%)
6	Surface	1	1 pc. unknown black cylinder	Miscellaneous (.08%)
7	Surface	1	1 pc. flake	Lithics (.08%)
8	Surface	1	1 pc. ironstone (1870+)	Kitchen (.08%)
9	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
10	Surface	1	1 pc. green transferprint whiteware (1829-1850)	Kitchen (.08%)
11	Surface	1	1 pc. flake	Lithics (.08%)
12	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
22	Surface	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (.08%)
23	Surface	2	2 pc. whiteware (1860+)	Kitchen (2%)
24	Surface	5	5 pc. whiteware (1860+)	Kitchen (4%)
25	Surface	3	2 pc. whiteware (1860+) 1 pc. lamp chimney glass (19th-20th century)	Kitchen (2%)
26	Surface	1	1 pc. whiteware (1860+)	Kitchen (.08%)
27	Surface	1	1 pc. aqua bottle (19th-20th century)	Kitchen (.08%)
28	Surface	1	1 pc. aqua window glass (19th-20th century)	Architectural (.08%)
29	Surface	7	1 pc. redware (1800-1910) 4 pc. whiteware (1860+) 1 pc. annularware (1840-1900) 1 pc. aqua window glass (19th-20th century)	Kitchen (5%), Architectural (.08%)
46	Surface	3	1 pc. clear window glass (19th-20th century) 1 pc. aqua bottle glass (19th-20th century) 1 pc. whiteware (1860+)	Kitchen (2%) Architectural (.08%)
47	Surface	2	2 pc. whiteware (1860+)	Kitchen (2%)

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier

Project Identifier

Your Name Powers & Teremy, LLC **Date** March 2014

Address P.O. Box 77172, Rochester NY, 14617
Phone (585) 266-4180

Organization (if any)
1. SITE IDENTIFIER(S) Campbell/Menzie Site

2. COUNTY Monroe One of the following: CITY
TOWNSHIP Town of Riga

INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER Waste Management of New York, LLC
Address 303 Brew Road, Bergen, NY 14416

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete ___ partial ___ collapsed ___ not evident X
Foundation: above ___ below ___ (ground level) not evident
___ Structural subdivisions apparent X Only surface traces visible (domestic refuse scatter)
___ Buried traces detected
List construction materials (be as specific as possible):

Grounds
X Under cultivation ___Sustaining erosion ___Woodland ___Upland
___Never cultivated X Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good X fair ___ poor
Distance to nearest water from structure (approx.): 1,246 ft
Elevation: 665 ft AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) June and July 2013 Site map (submit with form*)
Collection
Subsurface -- date(s)
Testing: shovel ___ coring ___ other ___ unit size NA
no. units _____ (Submit plan of units with form*)

Excavation: unit size 0 no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Powers & Teremy, LLC

Manuscript or published report (s) (reference fully):
2014 Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Present repository of materials: Powers & Teremy, LLC

6. Site inventory:
   a. Date constructed or occupation period 19th-20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name P.D.Campbell Date 1858 Source Gillette Map

      Present location of original, if known Rochester Pubilc Library

      2) Name H.J.Menzie Date 1924 Source Hopkins Map

      Present location of original, if known Rochester Public Library

   b. Representation in existing photography
   1) Photo date 2/2014 Where located: West of site, looking east.
   2) Photo date 7/2013 Where located: East of site, looking west

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name _____ Address
      2) Name _____ Address

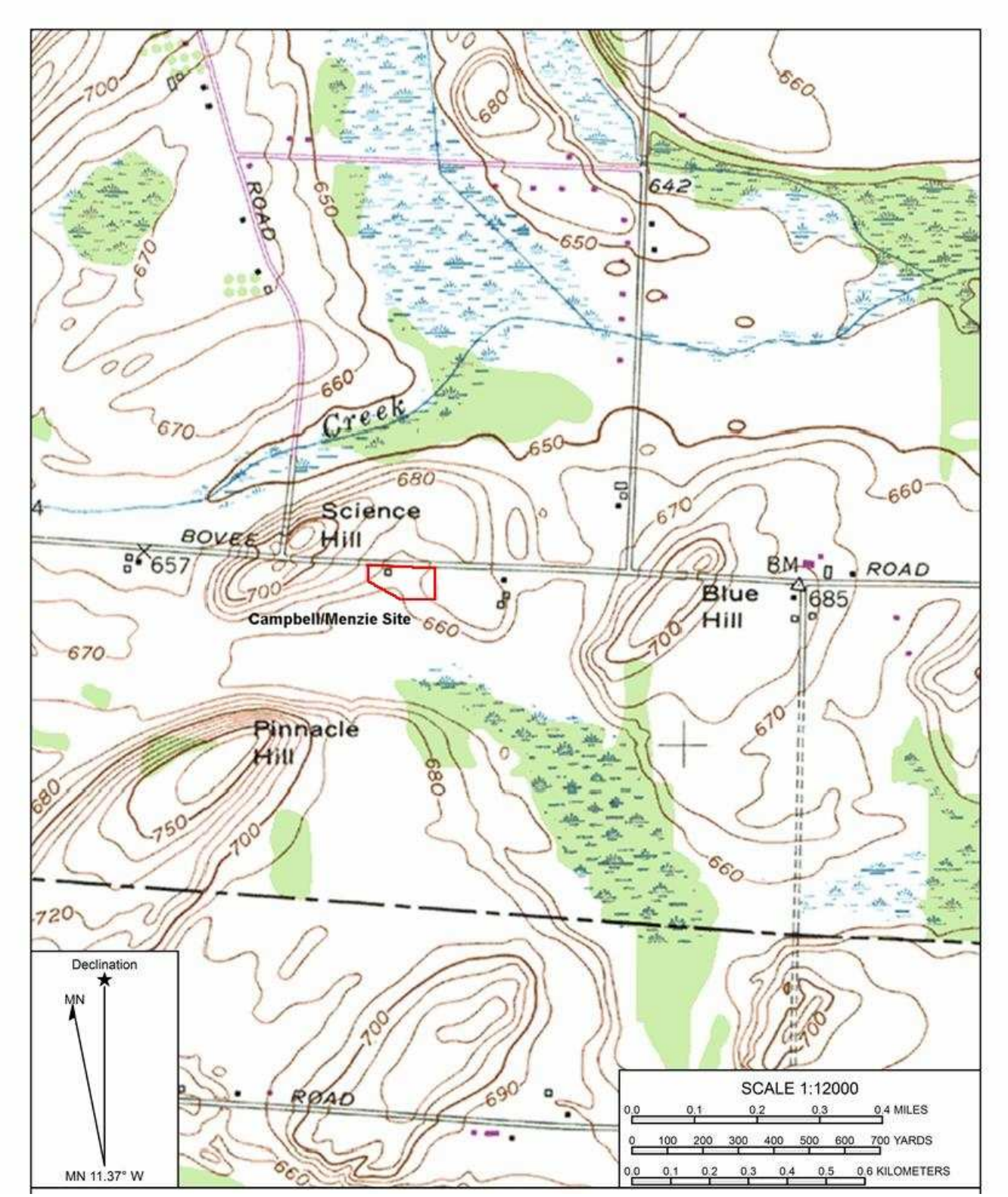
8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): The Campbell/Menzie Site consists of a Map Documented Structure that is no longer extant. The site is situated in the southeast quadrant of the APE just on the south side of Bovee Road, west of the Menzie Site previously described (Appendix I). The site was subject to walkover reconnaissance. The site irregularly shaped, and encompasses approximately 2.6 acres / 1.05 hectares. The site consists of farm field. Historic maps consulted (Figures 4-8) reveal a residence present in the site location as early as 1858 (P.D. Campbell), and was present until at least 1924 (H.J. Menzie). Currently, no foundations or other structural remains are visible.

Walkover reconnaissance in the farm field encompassing the Campbell/Menzie site resulted in the placement of 22 find spots (FN's). There were a total of 75 artifacts recovered from 25 surface find spots within the Campbell/Menzie Site. Artifacts recovered from the site belong to two separate functional groups: Architectural (5%) and Kitchen (95%).

If prehistoric materials are evident, check here and fill out prehistoric site form. ____

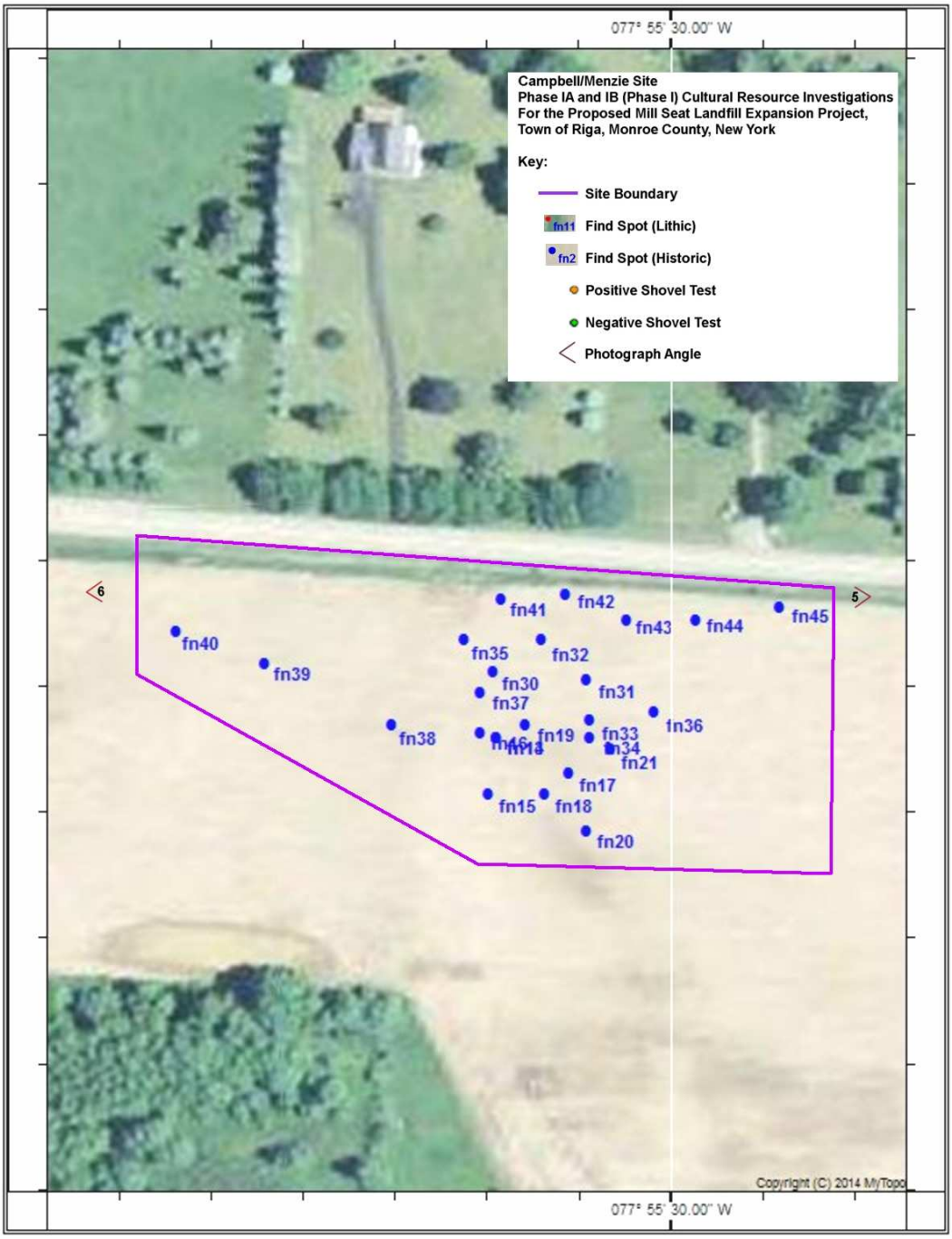
9. Map References: Map or maps showing exact location and extent of site must accompany this form

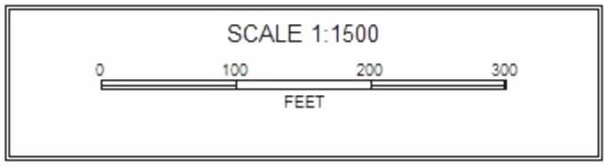
and be identified by source and date. Keep this submission to 8½" x 11", if possible.



USGS 71/2 Minute Series Quad. Name: 1950 USGS 7.5' Churchville, N.Y. Quadrangle (Revised 1978)
U.S. Government Printing Office. Washington, D.C

For Office Use Only--UTM Coordinates N 43° 02' 41.18" W 77° 55' 33.59"





10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s)

showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Campbell/Menzie Site from east of site, looking west.

Campbell/Menzie Site from west of site, looking east.

7. a. Historic map references

Beers, F.W. (1872), *Atlas of Monroe County, New York*. New York City.

Beers, J.B. (1887), *Map of Monroe County, New York*. New York City.

Gillette, John E. (1858), *Gillette's map of Monroe County, New York, from actual surveys*. Philadelphia.

Hopkins, G.M. (1924), *Plat book of Monroe County, New York*. Philadelphia.

Lathrop, J.M. (1902), *Plat book of Monroe County, New York*. Philadelphia.

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material)

FN	Number of artifacts	Description	Functional group
13	4	3 pc. whiteware (1860+) 1 pc. blue transferprint whiteware (1840-1860)	Kitchen (5%)
14	4	1 pc. blue transferprint whiteware (1840-1860) 2 pc. whiteware (1860+) 1 pc. aqua bottle (19th-20th century)	Kitchen (5%)
15	2	1 pc. salt glazed Albany slip stoneware (1800-1910) 1 pc. blue transferprint whiteware (1840-1860)	Kitchen (3%)
16	1	1 pc. whiteware (1860+)	Kitchen (1%)
17	7	5 pc. whiteware (1860+) 1 pc. salt glazed Albany slip stoneware (1800-1910) 1 pc. redware (1840+)	Kitchen (9%)
18	2	2 pc. whiteware w/ blue incised rim (1800-1845)	Kitchen (3%)
19	8	2 pc. whiteware (1860+) 1 pc. porcelain (1850+) 4 pc. ironstone (1870+) 1 pc. brown bottle glass	Kitchen (11%)
20	2	2 pc. whiteware (1860+)	Kitchen (3%)
21	1	1 pc. blue transferprint whiteware (1826-1831)	Kitchen (1%)
30	6	1 pc. purple glass (1860-1915) 1 pc. aqua bottle (19th-20th century) 1 pc. aqua window glass (19th-20th century) 1 pc. whiteware w/ blue incised rim (1800-1845) 2 pc. whiteware (1860+)	Kitchen (7%), Architectural (1%)

FN	Number of artifacts	Description	Functional group
31	6	4 pc. whiteware (1860+) 1 pc. flow blue whiteware (1820-1879) 1 pc. aqua window glass (19th-20th century)	Kitchen (7%), Architectural (1%)
32	4	2 pc. whiteware (1860+) 2 pc. blue transferprint whiteware (1820-1879)	Kitchen (5%)
33	3	3 pc. whiteware (1860+)	Kitchen (4%)
34	5	2 pc. blue transferprint whiteware (1820-1879) 1 pc. whiteware (1860+), 1 pc. ironstone (1870+) 1 pc. aqua glass (19th-20th century)	Kitchen (7%)
35	1	1 pc. whiteware (1860+)	Kitchen (1%)
36	1	1 pc. ironstone (1880+)	Kitchen (1%)
37	1	1 pc. aqua bottle base (1850-1870)	Kitchen (1%)
38	1	1 pc. whiteware (1860+)	Kitchen (1%)
39	3	1 pc. clear window glass (19th-20th century) 1 pc. aqua window glass (19th-20th century) 1 pc. aqua glass (19th-20th century)	Architectural (1%) Kitchen (3%)
40	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (1%)
41	1	1 pc. whiteware (1860+)	Kitchen (1%)
42	1	1 pc. whiteware (1860+)	Kitchen (1%)
43	2	1 pc. whiteware (1860+) 1 pc. milk glass canning jar lid (1869+)	Kitchen (1%)
44	5	5 pc. clear glass (19th-20th century)	Kitchen (7%)
45	3	3 pc. brown bottle glass (19th-20th century)	Kitchen (4%)

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier

Project Identifier

Your Name Powers & Teremy, LLC **Date** March 2014

Address P.O. Box 77172, Rochester NY, 14617
Phone (585) 266-4180

Organization (if any)
1. SITE IDENTIFIER(S) Menzie/Maher Site

2. COUNTY Monroe One of the following: CITY
TOWNSHIP Town of Riga

INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER Waste Management of New York, LLC
Address 303 Brew Road, Bergen, NY 14416

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete X partial ___ collapsed ___ not evident
Foundation: above X below ___ (ground level) not evident
___ Structural subdivisions apparent ___ Only surface traces visible (domestic refuse scatter)
___ Buried traces detected
List construction materials (be as specific as possible):

Grounds
X Under cultivation ___Sustaining erosion ___Woodland ___Upland
___Never cultivated X Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good ___ fair X poor
Distance to nearest water from structure (approx.): 371 ft
Elevation: 658 ft AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) June and July 2013 Site map (submit with form*)
Collection
Subsurface -- date(s)
Testing: shovel ___ coring ___ other ___ unit size 30 cm X 30 cm
no. units _____ (Submit plan of units with form*)

Excavation: unit size 0 no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Powers & Teremy, LLC

Manuscript or published report (s) (reference fully):
2014 Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Present repository of materials: Powers & Teremy, LLC

6. Site inventory:
   a. Date constructed or occupation period 19th-20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name D.Menzie Date 1858 Source Gillette Map

      Present location of original, if known Rochester Pubilc Library

      2) Name Walter Maher Date 1924 Source Hopkins Map

      Present location of original, if known Rochester Public Library

   b. Representation in existing photography
   1) Photo date 2/2014 Where located: North of existing house, looking south.
   2) Photo date 2/2014 Where located: West side of site, looking south.

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name Address
      2) Name Address

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): The Menzie/Maher Site surrounds an extant circa 1860 residential structure (# 711 Bovee Road). The site was subject to walkover reconnaissance. The site irregularly shaped, and encompasses approximately 13 acres / 5.26 hectares. The site consists of farm field. Historic maps consulted reveal a residence present in the site location as early as 1858 (D. Menzie), and was present in 1924 (Walter Mahar), as well as today. The residence is currently extant, though neither it or its outbuilding fall within the current APE.

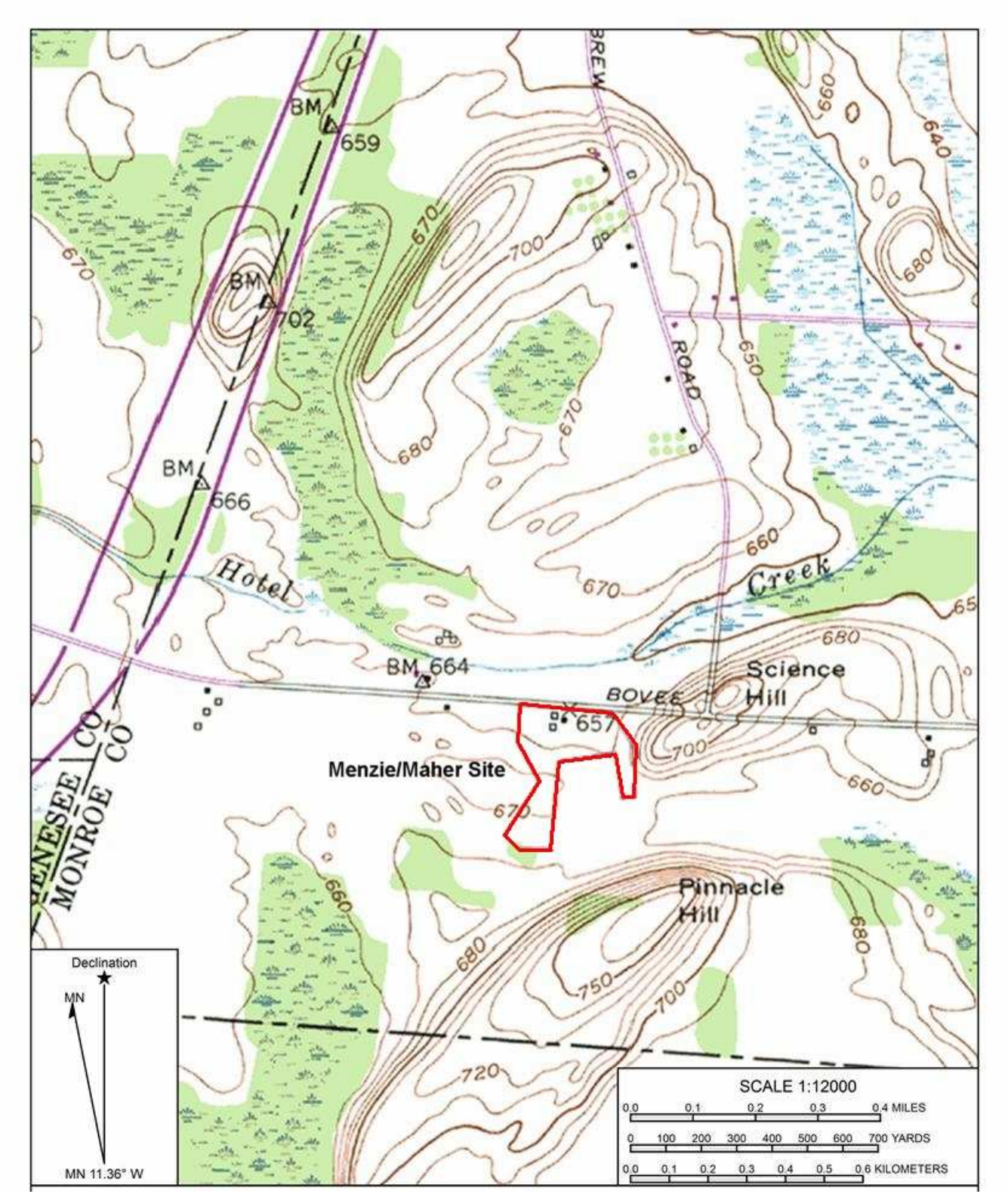
Walkover reconnaissance in the farm field encompassing the Menzie/Maher Site resulted in the placement of 10 find spots (FN's). There were a total of 15 artifacts recovered from 10 surface find spots within the Campbell/Menzie Site. Artifacts recovered from the site belong to the Kitchen functional group (100%).

Phase II for the Menzie/Maher Site holds *limited* potential of encountering *in situ* cultural deposits relating to rural farm life from the time prior to 1900 through the modern era. Powers & Teremy, LLC believes that within the APE, the site *does not* contain intact and/or relatively undisturbed cultural deposits that may provide information relating to life within Riga. The sparse distribution of artifacts throughout the site, suggests that further archaeological investigations at this location would not yield any additional significant information. It should be noted, however, should project plans change to include the existing residence at #711 Bovee Road, additional Phase IB testing should be conducted.

If prehistoric materials are evident, check here and fill out prehistoric site form. ___

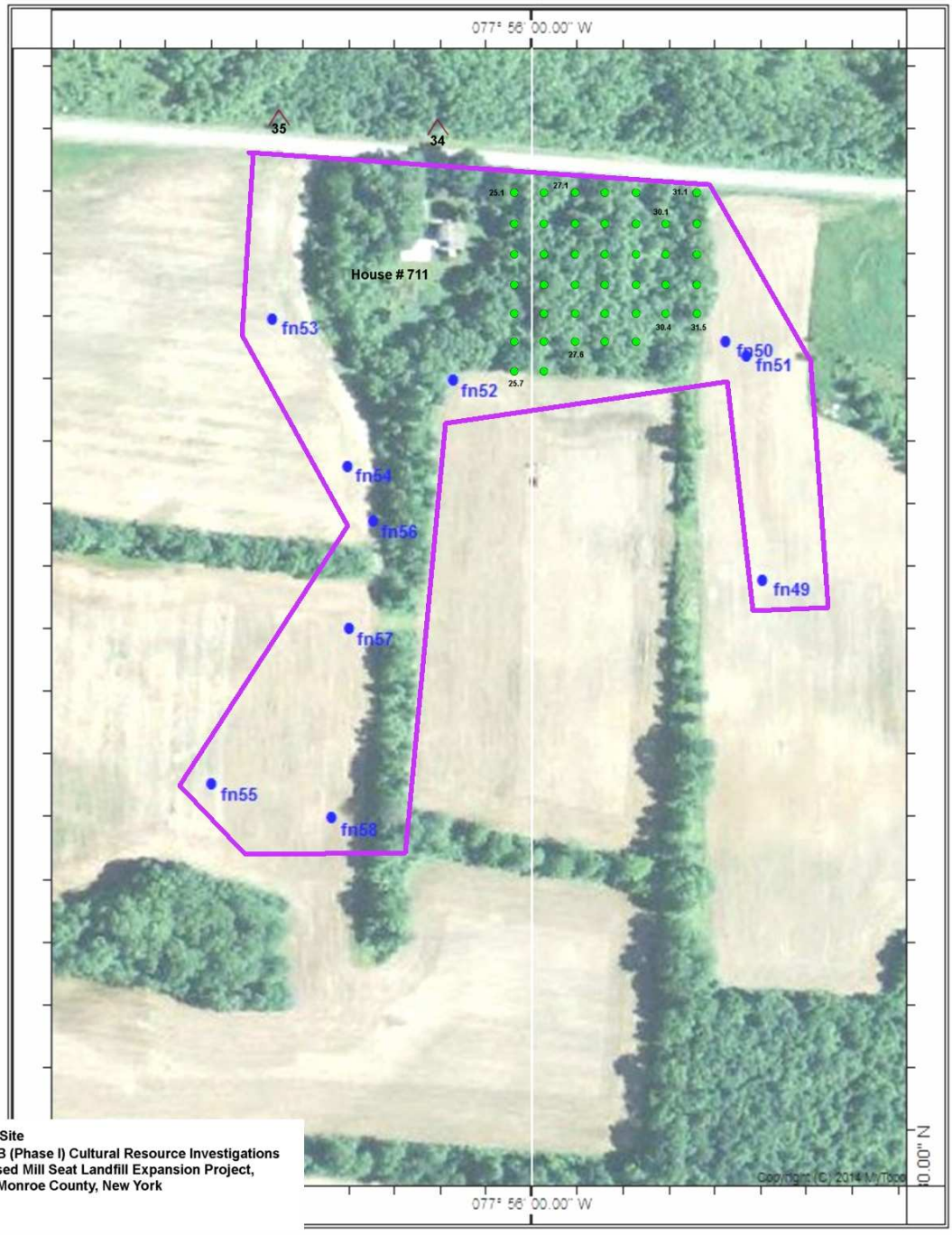
9. Map References: Map or maps showing exact location and extent of site must accompany this form

and be identified by source and date. Keep this submission to 8½" x 11", if possible.



USGS 71/2 Minute Series Quad. Name: 1950 USGS 7.5' Churchville, N.Y. Quadrangle (Revised 1978)
U.S. Government Printing Office. Washington, D.C.

For Office Use Only--UTM Coordinates N 43° 02' 45.23" W 77° 56' 02.31"



Menzie/Maher Site
Phase IA and IB (Phase I) Cultural Resource Investigations
For the Proposed Mill Seat Landfill Expansion Project,
Town of Riga, Monroe County, New York

Key:

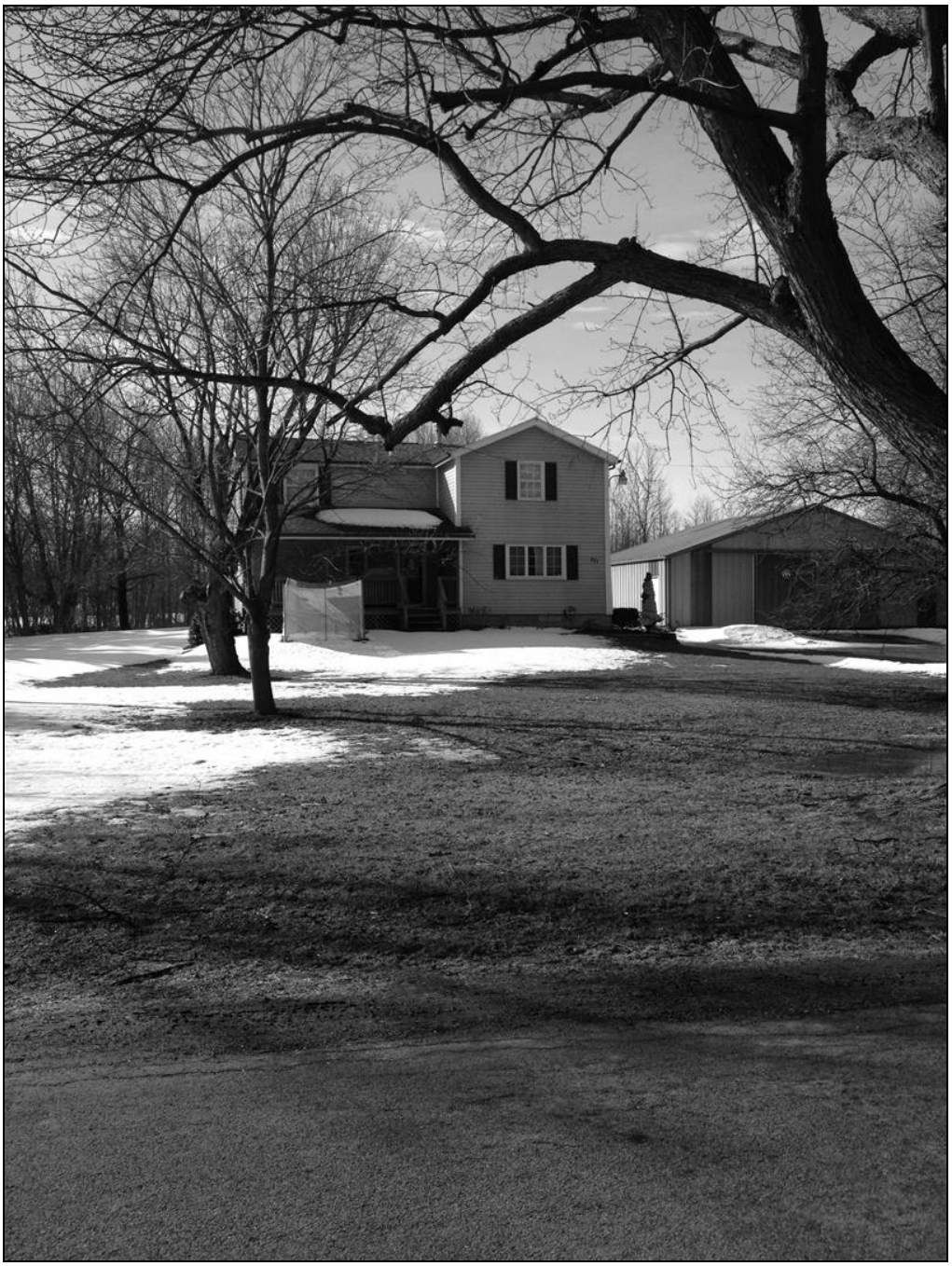
- Site Boundary
- fn11 Find Spot (Lithic)
- fn2 Find Spot (Historic)
- Positive Shovel Test
- Negative Shovel Test
- Photograph Angle

SCALE 1:3000

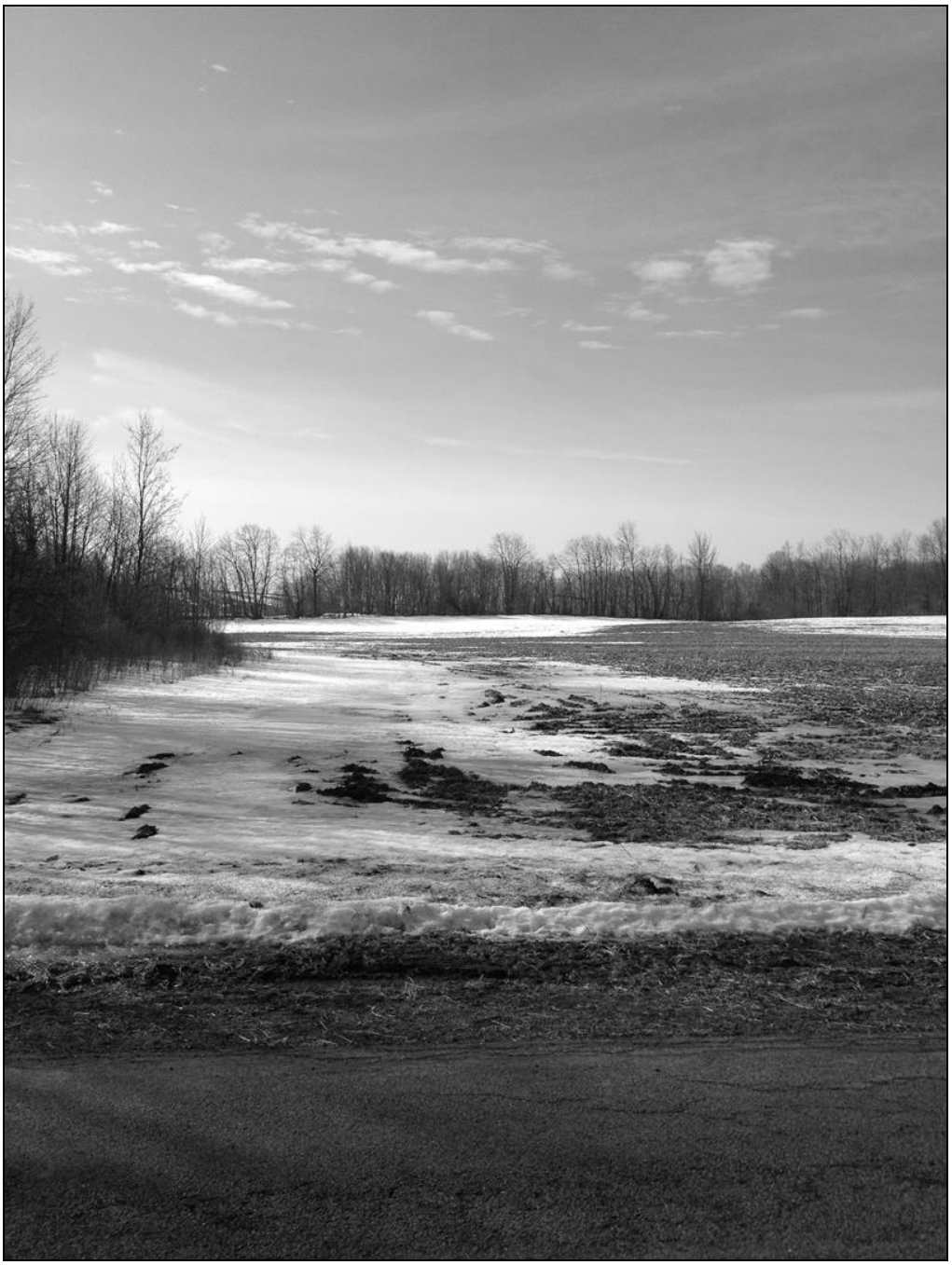
0 100 200 300 400 500 600 700

FEET

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



711 Bovee Road, Menzie/Maher Site, looking south



West side of Menzie/Maher Site, looking south

7. a. Historic map references

Beers, F.W. (1872), *Atlas of Monroe County, New York*. New York City.

Beers, J.B. (1887), *Map of Monroe County, New York*. New York City.

Gillette, John E. (1858), *Gillette's map of Monroe County, New York, from actual surveys*. Philadelphia.

Hopkins, G.M. (1924), *Plat book of Monroe County, New York*. Philadelphia.

Lathrop, J.M. (1902), *Plat book of Monroe County, New York*. Philadelphia.

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material)

FN	Number of artifacts	Description	Functional group
49	1	1 pc. aqua glass (19th-20th century)	Kitchen (7%)
50	1	1 pc. clear glass (19th-20th century)	Kitchen (7%)
51	1	1 pc. whiteware (1860+)	Kitchen (7%)
52	2	1 pc. porcelain (1850+) 1 pc. ironstone (1870+)	Kitchen (14%)
53	1	1 pc. blue transferprint whiteware (1820-1879)	Kitchen (7%)
54	5	5 pc. flow black transferprint (1840-1860)	Kitchen (33%)
55	1	1 pc. whiteware (1860+)	Kitchen (7%)
56	1	1 pc. clear glass (19th-20th century)	Kitchen (7%)
57	1	1 pc. ironstone (1870+)	Kitchen (7%)
58	1	1 pc. Albany slip stoneware (1800-1910)	Kitchen (7%)

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier

Project Identifier

Your Name Powers & Teremy, LLC **Date** March 2014

Address P.O. Box 77172, Rochester NY, 14617
Phone (585) 266-4180

Organization (if any)
1. SITE IDENTIFIER(S) Jones Site

2. COUNTY Monroe One of the following: CITY
TOWNSHIP Town of Riga

INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER Waste Management of New York, LLC
Address 303 Brew Road, Bergen, NY 14416

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete X partial ___ collapsed ___ not evident
Foundation: above X below ___ (ground level) not evident
___ Structural subdivisions apparent ___ Only surface traces visible (domestic refuse scatter)
___ Buried traces detected
List construction materials (be as specific as possible):

Grounds
X Under cultivation ___Sustaining erosion ___Woodland ___Upland
___Never cultivated X Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good ___ fair X poor
Distance to nearest water from structure (approx.): 398 ft
Elevation: 660 ft AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) June and July 2013 Site map (submit with form*)
Collection
Subsurface -- date(s)
Testing: shovel ___ coring ___ other ___ unit size NA
no. units _____ (Submit plan of units with form*)

Excavation: unit size 0 no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Powers & Teremy, LLC

Manuscript or published report (s) (reference fully):
2014 Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Present repository of materials: Powers & Teremy, LLC

6. Site inventory:
   a. Date constructed or occupation period 19th-20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name D.Menzie Date 1872 Source Beers Atlas

      Present location of original, if known Rochester Pubilc Library

      2) Name Mary Jones Date 1902 Source Lanthrop Map

      Present location of original, if known Rochester Public Library

   b. Representation in existing photography
   1) Photo date 2/2014 Where located: North of site, looking south
   2) Photo date 7/2013 Where located: South of site, looking north

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name _____ Address
      2) Name _____ Address

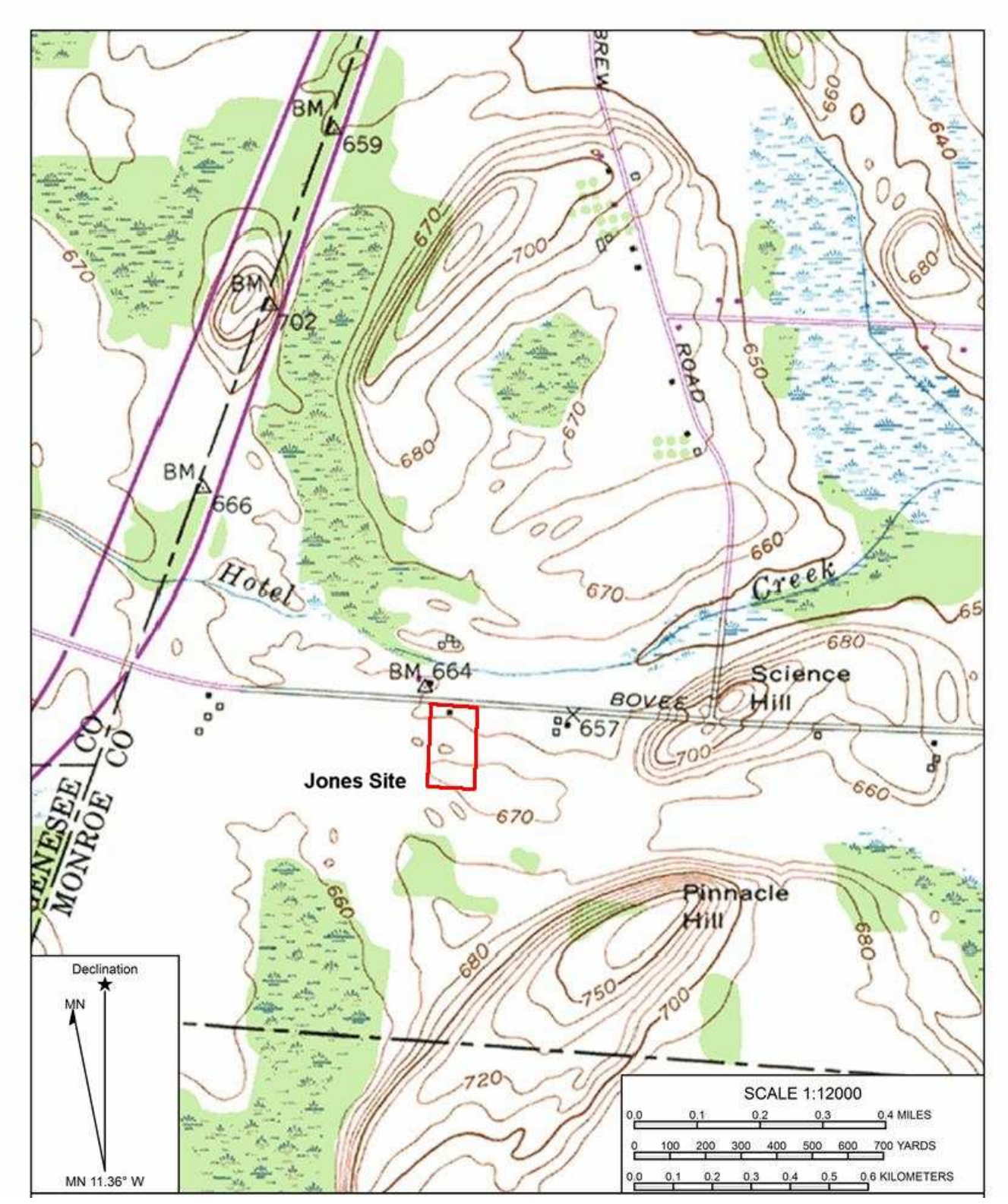
8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): The Jones Site surrounds an extant circa 1872 residential structure (#845 Bovee Road). The site was subject to walkover reconnaissance. The site rectangularily shaped, and encompasses approximately 5.5 acres / 2.23 hectares. The site consists of farm field. Historic maps consulted reveal a residence present in the site location as early as 1872 (D. Menzie), and was present in 1924 (No Name), as well as today. The residence is currently extant, though it does not fall within the current APE.

Walkover reconnaissance in the farm field encompassing the Jones Site resulted in the placement of 18 find spots (FN's). There were a total of 35 artifacts recovered from 10 surface find spots within the Jones. Artifacts recovered from the site belong to four separate functional groups: Architectural (1.5%), Kitchen (95%), Faunal (2%), and Lithic (1.5%). Included among the recovered artifacts was one chert flake. Given the presence of the Mill Seat Landfill Site#2 site north of the Menzie site, it is possible this artifact may be associated with Mill Seat Landfill Site #2.

Phase II for the Jones Site holds *limited* potential of encountering *in situ* cultural deposits relating to rural farm life from the time prior to 1900 through the modern era. Powers & Teremy, LLC believes that within the APE, the site *does not* contain substantial cultural deposits that may provide information relating to life within Riga. The sparse distribution of artifacts throughout the site, suggests that further archaeological investigations at this location would not yield any additional significant information. It should be noted, however, should project plans change to include the existing residence at #845 Bovee Road, additional Phase IB testing should be conducted.

If prehistoric materials are evident, check here and fill out prehistoric site form. ___

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.



USGS 71/2 Minute Series Quad. Name: 1950 USGS 7.5' Churchville, N.Y. Quadrangle (Revised 1978)
U.S. Government Printing Office. Washington, D.C

For Office Use Only--UTM Coordinates N 43° 02’ 46.16” W 77° 56' 15.28"

Phase IA and IB (Phase I) Cultural Resource Investigations For the Proposed Mill Seat Landfill Expansion Project, Town of Riga, Monroe County, New York

Key:

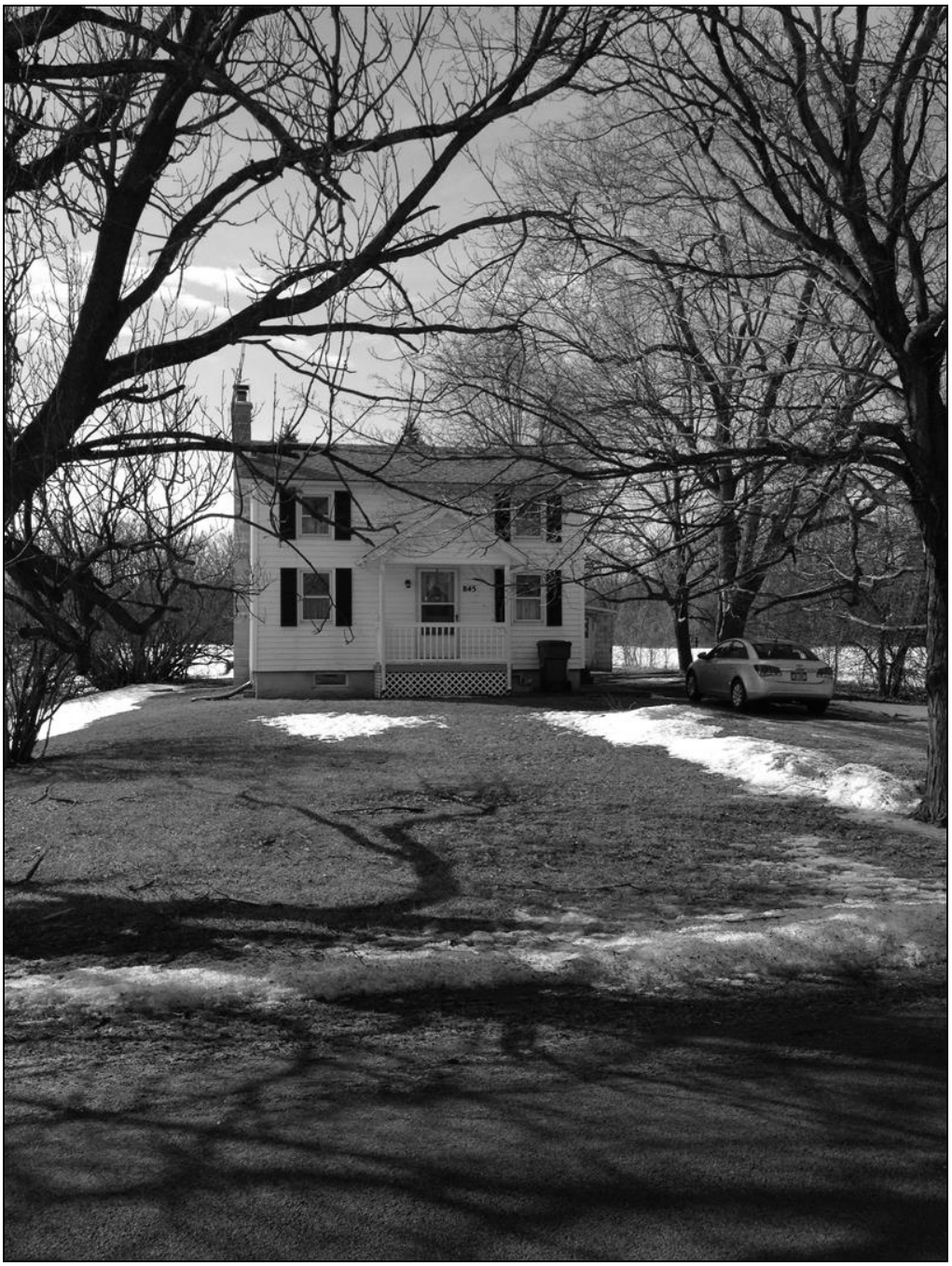
- Site Boundary
- fn11 Find Spot (Lithic)
- fn2 Find Spot (Historic)
- Positive Shovel Test
- Negative Shovel Test
- Photograph Angle

SCALE 1:1500

0 100 200 300

FEET

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



Jones Site, # 845 Bovee Road, looking south.

Jones Site from south end of field, looking north.

7. a. Historic map references

Beers, F.W. (1872), *Atlas of Monroe County, New York*. New York City.

Beers, J.B. (1887), *Map of Monroe County, New York*. New York City.

Gillette, John E. (1858), *Gillette's map of Monroe County, New York, from actual surveys*. Philadelphia.

Hopkins, G.M. (1924), *Plat book of Monroe County, New York*. Philadelphia.

Lathrop, J.M. (1902), *Plat book of Monroe County, New York*. Philadelphia.

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material)

FN	Number of artifacts	Description	Functional group
59	1	1 pc. whiteware (1860+)	Kitchen (3%)
60	2	2 pc. ironstone (1870+)	Kitchen (6%)
61	1	1 pc. whiteware (1860+)	Kitchen (3%)
62	1	1 pc. whiteware (1860+)	Kitchen (3%)
63	1	1 pc. ironstone (1840-1930+)	Kitchen (3%)
64	1	1 pc. whiteware (1860+)	Kitchen (3%)
65	5	3 pc. ironstone (1840-1930+) 1 pc. aqua bottle glass (19th-20th century) 1 pc. clear glass (19th-20th century)	Kitchen (14%)
66	5	1 pc. clear glass (19th-20th century) 1 pc. olive bottle glass 3 pc. ironstone (1870+)	Kitchen (14%)
67	6	4 pc. ironstone (1870+) 2 pc. whiteware (1860+)	Kitchen (17%)
68	1	1 pc. glazed stoneware (1840-1900)	Kitchen (3%)
69	1	1 pc. aqua glass (19th-20th century)	Kitchen (3%)
70	2	1 pc. aqua glass (19th-20th century) 1 pc. chicken bone	Kitchen (3%) Faunal (3%)
71	1	1 pc. flake	Lithic (3%)
72	1	1 pc. flow black whiteware (1840-1860)	Kitchen (3%)
73	2	1 pc. ironstone (1870+), 1 pc. purple glass (1860-1915)	Kitchen (6%)
74	1	1 pc. ironstone (1870+)	Kitchen (3%)
75	2	1 pc. aqua window glass (19th-20th century), 1 pc. Heinz condiment bottle (1893-1946)	Architectural (3%) Kitchen (3%)
76	1	1 pc. salt glazed Albany slip stoneware (1800-1910)	Kitchen (3%)

Appendix V
Avoidance Guidelines

- A 50-ft / 15-m / buffer zone should be established around the recommended sites or Loci. The buffer zone will utilize temporary fencing or other means approved by the NYSOPRHP to clearly deter construction activity in the area during development .
- All construction plans will reflect all construction activities, including grading and filling activities.
- All construction plans will mark sites, loci, and buffer zones as "Environmentally Sensitive - Do Not Impact". Location of the temporary fencing will be clearly marked on the construction plans as well. A note in the design plan will be on appropriate maps explaining that topsoil will not be excavated in these areas and trucks will avoid the area.
- All construction plans will include the NYSOPRHP Human Remains Discovery Protocol as well as contact information for the Archaeological Field Services Bureau in case human remains are discovered anywhere during construction. Should human remains be discovered, the NYSOPRHP will be contacted immediately.
- A preconstruction meeting with the construction contractor is required. This meeting should serve to notify those undertaking construction activities of the requirements necessary to protect and avoid designated sites areas.
- Unauthorized activities within site boundaries will require notification of the New York State Office of Parks, Recreation, and Historic Preservation at 518-237-8643, ext 3820.
- An archaeology covenant will be transferred with each property containing the avoided / protected Site.

Phase II Cultural Resource Investigations for the Proposed Mill Seat Landfill Expansion, Town of Riga, Monroe County, New York

NYSOPRHP Review Number 14PR03426

Prepared For

Barton & Loguidice, Inc.
11 Centre Park, Suite 203
Rochester, NY 14614

February 5, 2015

By

Powers & Teremy, LLC
Cultural Resource Management Services
P.O. Box 77172
Rochester, NY 14617
Phone: (585) 266-4180
Fax: (585) 544-3121
www.powersteremy.com

REPORT ACKNOWLEDGMENTS

Powers & Teremy, LLC would like to thank Ms. Luann Meyer of Barton & Loguidice, Inc., for her efficient contract administration and helpful communications concerning the details of the project. Paul Powers coordinated the project and served as the field supervisor. Paul Powers, Kyle Somerville, James Pellingra, Matthew Bognaski, and Bradley Schaeffer conducted all subsurface investigations. Kyle Somerville and Paul Powers co-authored the Phase II Cultural Resource Investigations project report.

Table of Contents

List of Appendices

List of Figures

List of Tables

Photographs

Glossary

APE – Area of Potential Effect

County – Monroe County, New York.

MDS – Map Documented Structure

NYSOPRHP – New York State Office of Parks, Recreation, and Historic Preservation

NYSDEC – New York State Department of Environmental Conservation

Permitted Footprint – The existing 98.6 acres of the Permitted Site allocated for solid waste disposal within a double composite liner system.

Permitted Site – The land on which the Permitted Footprint and associated support features (including buildings and structures, stormwater ponds, access roads, and borrow areas) is located, and the land included as part of the Landfill Lease Agreement. The Permitted Site totals 485 acres.

Proposed Action – The Proposed Landfill Expansion; final cover design modifications to the Permitted Footprint; the proposed wetland impacts and mitigation; the proposed stream impacts and mitigation; as well as required actions, including extension of the Landfill Lease Agreement between Monroe County and WMNY, abandonment of a portion of O'Brien Road and a portion of Brew Road, County and Town of Riga approvals of land transfers or subdivisions, and receipt of noise easements.

Proposed Footprint – The 118.3 acres allocated for solid waste disposal within the proposed double composite liner system in addition to and directly adjacent to the Permitted Footprint.

Proposed Landfill Expansion – The addition of a contiguous footprint to the south of the Permitted Footprint. This defined term is specific to the Proposed Footprint of an additional 118.3 acres, 39.2 acres of overlay onto the Permitted Footprint, and any support features (stormwater management structures, access roads, LFG collection and control infrastructure, and leachate conveyance infrastructure).

Proposed Site – The land on which the Proposed Action would be located, including the 485-acre Permitted Site, the Proposed Wetland Mitigation Area, the O'Brien Road abandonment, and any land acquisitions included in the Proposed Action. The Proposed Site totals approximately 828 acres.

Proposed Wetland Mitigation Area – The existing and proposed wetland areas within the Proposed Wetland Mitigation Property.

Proposed Wetland Mitigation Property – The parcels are located south of the Permitted Site across Bovee Road. The property is proposed as remediation to mitigate impacts to wetlands from the Proposed Landfill Expansion.

SEQRA – State Environmental Quality Review Act, codified in Article 8 of the New York State Environmental Conservation Law with implementing regulations codified at 6 NYCRR Part 617 (Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York).

SHPO – New York State Office of Parks, Recreation, and Historic Preservation

STP – Shovel Test Pit

USACE – United States Army Corps of Engineers

Waste Management of New York, LLC – WMNY operates the Mill Seat Landfill under a lease agreement with Monroe County.

I. PHASE II MANAGEMENT SUMMARY

Project Name: Phase II Cultural Resource Investigations for the Proposed Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York.

Project Description: The Proposed Action includes an expansion of the Permitted Footprint and associated support facilities. Overall, the Proposed Landfill Expansion is expected to include the addition of a contiguous footprint to the south of the Permitted Footprint. The Proposed Landfill Expansion is comprised of an additional 118.3 acres, 39.2 acres of overlay onto the Permitted Footprint, and any support features (stormwater management structures, access roads, LFG collection and control infrastructure, and leachate conveyance infrastructure). Other actions included with the Proposed Action are the dead-ending of O'Brien Road and abandonment of a portion of Brew Road, up to 90 acres of wetland mitigation. The Proposed Landfill Expansion will be located on the 435 acres currently owned by Monroe County and a portion of the 542 acres owned by WMNY. Approximately a total of 324 acres / 131 hectares may be impacted by the Proposed Action and is considered the APE.

Project Location: The Proposed Action is located on Brew Road and Bovee Road within the Town of Riga, Monroe County, New York (043° 02' 56.84"N 077° 55' 53.38"W). The proposed site can be accessed via Bovee Road and Brew Road.

County: Monroe County

Minor Civil Division Number: 06046 (Riga)

USGS 7.5 Minute Quadrangle Map: 1950 USGS 7.5' Churchville N.Y. Quadrangle (Photorevised 1978)

SEQR Review: Barton & Loguidice, Inc. has requested Phase II Cultural Resource Investigations as part of a SEQRA review.

Involved State and Federal Agencies: NYSDEC, USACE

Survey Area
Acreage: 324 acres / 131 hectares
Depth: Undetermined
Number of Acres Surveyed: 324 acres / 131 hectares

Survey Area
Total Acreage: 324 acres / 131 hectares
Depth: Undetermined
Number of Acres Surveyed: 30 acres / 12 hectares

Archaeological Survey Overview
Number & Interval of Shovel Tests: 47 at 25-ft / 7.5-m intervals
Number & Size of Units: 2 Test Units, 3-ft x 3-ft / 1-m x 1-m
Width of Plowed Strips: Entire fields were plowed and disced
Surface Survey Transect Interval: 3-meter intervals between each field technician. Each area was surveyed twice.

Results of Archaeological Survey Within APE
Number & Name of prehistoric sites identified: (1) Mill Seat Landfill #2 Precontact Site (A05515.000058)
Number & Name of historic sites identified: (2) Menzie Historic Site (A05515.000059); Menzie Historic Site (A05515.000059)
Number & Name of sites recommended for Phase III: 0
Closest Previously Documented Archaeological Site to the APE: 05515.000011, c. 1830 Domestic Site, 646-ft / 197-m

SRHP/NRHP Historical Review
Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: 0
Number of identified eligible building/structures/cemeteries/districts: 1

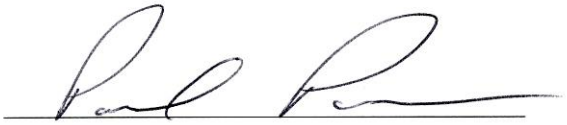
Recommendations for Phase III Cultural Resource Investigations: These Cultural Resource Investigations were performed only for the Mill Seat Landfill #2 Precontact Site (A05515.000058), Menzie Historic Site (A05515.000059), and Campbell/Menzie Historic Site (A05515.000060), associated with the proposed Proposed Action within the Town of Riga, Monroe County, New York. Given the small amount of cultural material, as well a lack of diagnostic material recovered at Mill Seat Landfill #2 Precontact Site (A05515.000058), Loci 1-3 during these excavations, Powers & Teremy, LLC do *not* recommend any further archaeological investigations. A lack of additional diagnostic cultural material and lack of quantity of additional cultural material suggests that the Mill Seat Landfill #2 Precontact Site (A05515.000058), Loci 1-3 and its immediate vicinity contain little to no further research potential. In addition, the site fails to fulfill the requirements necessary to consider it National Register Eligible. In the location of Locus 4 that was not subject to Phase II investigations, a suggested avoidance plan has been formulated, including a 50-ft / 15-m buffer zone surrounding the locus. Should construction plans be altered to include Locus 4, Phase II investigations should be undertaken in this area. Substantial cultural material was recovered from the Menzie Historic Site (A05515.000059) adjacent to Bovee Road, and Campbell/Menzie Historic Site (A05515.000060), however, no structural remains were unearthed. As a result, archaeological monitoring should be utilized should project plans be altered, and the areas containing Menzie Historic Site (A05515.000059) adjacent to Bovee Road, and Campbell/Menzie Historic Site (A05515.000060) are to be impacted.

Report Authors: Paul Powers and Kyle Somerville

Date of Report: February 5, 2015

Report Prepared By:

Mr. Paul Powers



Dr. Kyle Somerville, PhD

II. PHASE II PROJECT INFORMATION

Powers & Teremy, LLC was contracted by Barton & Loguidice, Inc., on behalf of the WMNY, to perform Phase I Cultural Resource Investigations for the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York. The southern portion of Proposed Action is located on the south side of Bovee Road, and can be accessed via Bovee Road. The northern portion of the project is bisected by Brew Road, and can be accessed from that road. The Proposed Action includes an expansion of the Permitted Footprint and associated support facilities. Overall, the Proposed Landfill Expansion is expected to include 118.3 acres of additional double composite lined landfill directly south of the Permitted Footprint, 39.2 acres of overlay on the existing Mill Seat Landfill, and approximately 30 acres of disturbance associated with additional support facilities for the operation of the Proposed Site including the landfill berms, access roads, and stormwater management structures. Other actions included with the Proposed Action are the dead-ending of O'Brien Road and abandonment of a portion of Brew Road, up to 90 acres of wetland mitigation. The Proposed Landfill Expansion will be located on the 435 acres currently owned by Monroe County and a portion of the 542 acres owned by WMNY. Approximately a total of 324 acres / 131 hectares may be impacted by the Proposed Action and is considered the Area of Potential Effect (APE).

Previous Phase I Investigations
In 2013, Powers & Teremy LLC, completed Phase I cultural resource investigations for the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York. Phase I testing resulted in the discovery of five (5) sites; Mill Seat Landfill #2 Precontact Site (A05515.000058); Menzie Historic Site (A05515.000059); Campbell/Menzie Historic Site (A05515.000060); Menzie/Maher Historic Site (A05515.000061); and the Jones Historic Site (A05515.000062).

As a result of Phase I Investigations, Powers & Teremy, LLC recommended no further work for the Menzie/Maher Historic Site (A05515.000061); and the Jones Historic Site (A05515.000062), and Phase II Site Examination or avoidance for the Mill Seat Landfill #2 Precontact Site (A05515.000058), Menzie Historic Site (A05515.000059), and the Campbell/Menzie Historic Site (A05515.000060). It was postulated that further analysis of the Mill Seat Landfill #2 Precontact Site (A05515.000058) could provide data about the Paleo-environment of the existing site itself and that of known sites within a one-mile radius of the APE. In addition, further examination of the Menzie Historic Site (A05515.000059), and the Campbell/Menzie Historic Site (A05515.000060) were necessary, as Phase II investigations at these sites hold the potential of encountering additional *in situ* cultural deposits relating to rural farm life from the time prior to 1872 through the modern era. Both sites contain intact and relatively undisturbed cultural deposits that may provide information relating to life within Riga. Specific recommendations included two (2) additional surface surveys in open-field areas encompassing and adjacent to the three (3) sites to be examined. In addition, shovel testing and test unit placement would be utilized when necessary, in order better define site integrity, boundaries and artifact distribution, as well as determine National Register eligibility. The objective of this field strategy was to better define site integrity, boundaries, and artifact distribution.

After discussion with the client, it was determined that Locus 4 within the Mill Seat Landfill #2 Precontact Site (A05515.000058) would be avoided, while Loci 1, 2, and 3 would be subject to Phase II investigations (Appendix IV).

Previous Phase I NYSOPRHP Review Comments
According to a letter dated August 21st, 2014 the NYSOPRHP, having reviewed the Phase I report completed by Powers & Teremy, LLC, concurred with the recommendations proffered by Powers & Teremy, LLC. The NYSOPRHP stated, "Based upon this review, the SHPO recommends avoidance or Phase II Site Evaluation for the following archaeological sites: Mill Seat Landfill #2 Precontact Site (A05515.000058); Menzie Historic Site (A05515.000059); and the Campbell/Menzie Historic Site (A05515.000060). The SHPO does not recommend that the Menzie/Maher Historic Site (A05515.000061) or the Jones Historic Site (A05515.000062) are National Register eligible, and we have no further concerns with these two (2) sites. The SHPO has no building/structure concerns." (Appendix V).

Locus 4 Avoidance
An Avoidance Plan has been produced (Appendix VI) for WMNY and its agents to preserve the location marked as the Locus 4 within the Mill Seat Landfill #2 Precontact Site (A05515.000058), for site avoidance.

Prehistoric Sensitivity Assessment
Based upon the location of previously recorded prehistoric Native American sites within a one-mile radius of the APE investigated during the Phase I excavations for the proposed Mill Seat Landfill Proposed Action Project Area, the proposed APE was considered by Powers & Teremy, LLC to have the potential of containing intact cultural deposits. Previously documented sites indicated a potential for a Prehistoric Native American presence surrounding and within the APE. Proximity to a permanent water source (i.e. various tributaries to the Genesee River) combined with the fertile soils, and availability of natural resources would have provided a suitable area for Native peoples to utilize.

Phase I investigations were completed in portions of the APE by Robert Dean in 2010 (Dean 2010), and subsequently, the remainder of the APE by Powers & Teremy, LLC (Powers & Teremy, LLC 2013) in 2013. Both Phase I surveys recovered precontact cultural material.

Historic Sensitivity Assessment
Project-specific historical development is based upon historic maps and atlases. There are three (3) extant historic structures and two (2) MDS present within or adjacent to the APE that were not included in previous surveys. These include residences and outbuildings related to farming and other agricultural activities. Given that intensive farming was practiced within the APE for over 100 years, it is possible that historic material encountered within the APE will be found *in situ* and/or as the result of secondary deposition. As a result of Phase I Investigations, Powers & Teremy, LLC recommended no further work for the Menzie/Maher Historic Site (A05515.000061) or the Jones Historic Site (A05515.000062). Phase II investigations were recommended for the Menzie Historic Site (A05515.000059) and the Campbell/Menzie Historic Site (A05515.000060).

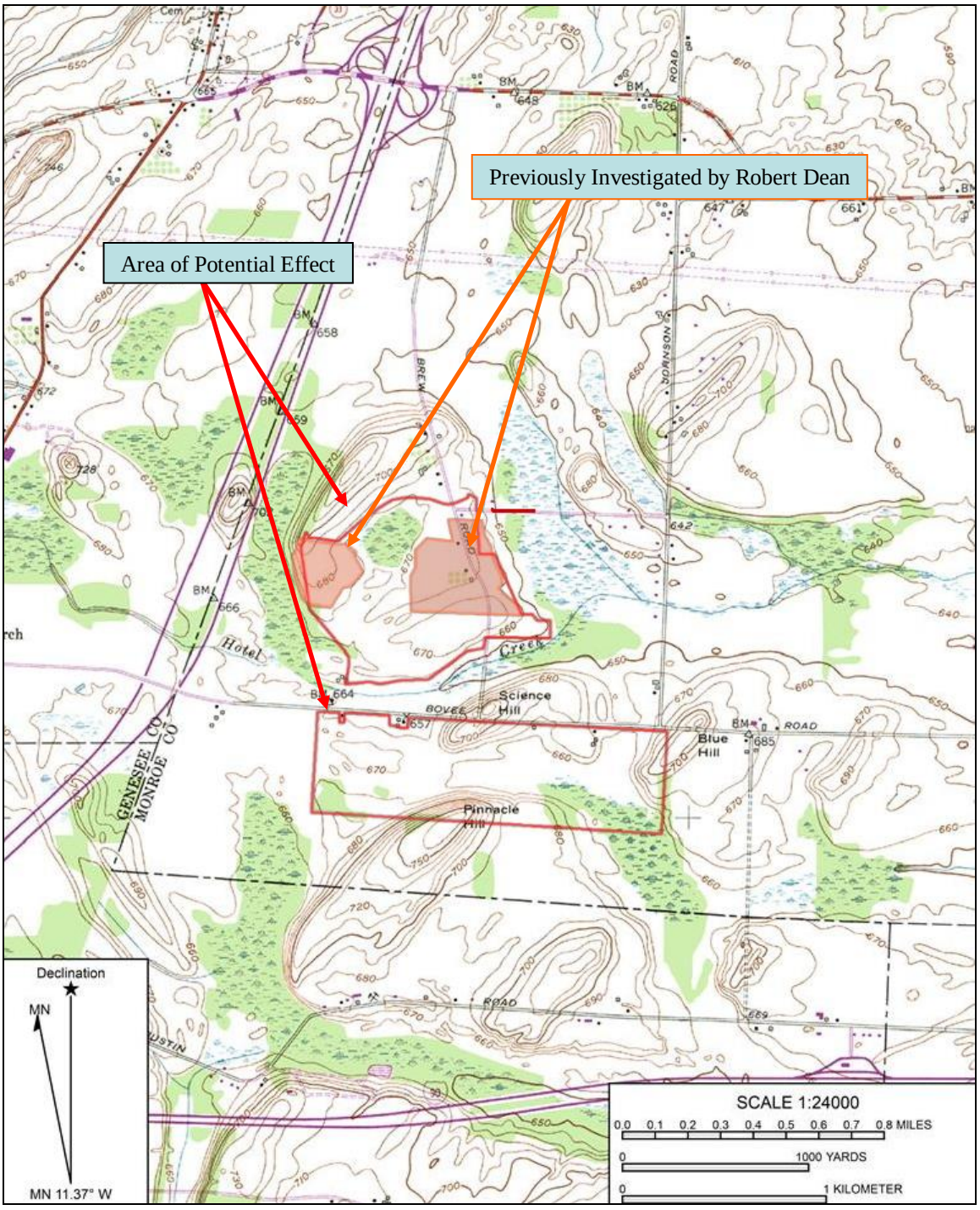


Figure 1. Area of Potential Effect on the 1950 USGS 7.5' Churchville N.Y. Quadrangle (Photorevised 1978)

III. PHASE II FIELD INVESTIGATIONS

Archaeological Survey Team
The Powers & Teremy, LLC archaeological field team consisted of Paul Powers, Kyle Somerville, Bradley Schaffer, James Pellingra and Matthew Bognaski. The Phase II testing was conducted in the fall of 2014.

Existing Conditions
The current environmental setting within the APE consists of plowed and disced fallow farm fields.

Ground Disturbance
Visual inspection of the area delineated as the APE for the Proposed Action reveals little man-made or natural disturbances. The farmland making up a significant portion of the APE was plowed and disced prior to excavation (Appendix II).

Problems Encountered
There were no problems encountered during these Phase II field investigations for Proposed Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York.

Phase II Field Work and Excavation Guidelines
Powers & Teremy, LLC conducted an on-site assessment of the APE in October of 2014. The site visit included a visual examination of the APE. Based upon observed conditions, nothing was observed within or adjacent to the Mill Seat Landfill #2 Precontact Site (A05515.000058), Menzie Historic Site (A05515.000059), or the Campbell/Menzie Historic Site (A05515.000060) that would prohibit the use of standard Phase II field testing methods.

The Phase II field investigations consisted of a combination of walkover reconnaissance, shovel testing, and test unit excavation. In areas subject to walkover reconnaissance the entire ground surface was plowed and disced within the three (3) sites (approximately 30 acres / 12.14 hectares of the APE total), resulting in a surface visibility of 80% or greater.

The following are the sites, and associated amount of area examined during walkover reconnaissance.

- Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 1 – 6 acres
- Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 2 – 3 acres
- Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 3 – 6 acres
- Menzie Historic Site (A05515.000059) – 10.5 acres
- Campbell/Menzie Historic Site (A05515.000060) – 4.5 acres

Archaeologists walked linear transects over the entire plowed areas, with technicians spaced 10-ft / 3-m apart. Each site and adjacent areas were subjected to **two (2)** walkover surveys to ensure the recovery of cultural materials and to define the limits of each site investigated. In addition, Phase II investigations included the excavation of two (2) (2) 1.00-m x 1.00-m / 3-ft x 3-ft test units within the Mill Seat Landfill #2 Precontact Site, and 47 shovel test pits in the vicinity of the Campbell/Menzie Historic Site (A05515.000060). Shovel tests utilized a 25-ft / 7.5-m interval. Within shovel tests and test units, the A Horizon was removed in natural layers, until sterile subsoil was reached. Soils excavated were screened through ¼-inch metal mesh to recover any cultural material that may have been present. Field notes were taken documenting soil types, textures, and attributes of the test units and shovel tests themselves. Photography was also utilized to document test units and their attributes.

IV. PHASE II INVESTIGATION RESULTS

Lab Procedures and Analysis
Artifacts were processed according to standards recognized by the New York Archaeological Council Guidelines (NYAC 1994) as well as the NYSOPRHP 2005 standards. Artifacts were assessed as to material type and stability, and were washed or dry-brushed, for identification purposes.

Disposition of Collections
All artifacts recovered from the APE will be catalogued and submitted to either the University of Buffalo or the New York State Museum for curation and stewardship.

Artifact Descriptions
A total of 481 artifacts from six (6) functional categories were recovered from surface collection, shovel tests, and test units completed during these Phase II excavations. Artifacts recovered belong to five (5) functional categories: Architectural (15%), Kitchen (78%), Faunal (3%), Lithic (3%), and Personal (1%). Artifacts were recovered from three (3) sites within the APE.

Phase II Results
Approximately 30 acres / 12 hectares were subject to walkover reconnaissance twice, test unit excavation, and shovel testing as outlined in the aforementioned Phase II Field Work and Excavation Guidelines. 481 artifacts were recovered within the APE.

V. MILL SEAT LANDFILL #2 PRECONTACT SITE (A05515.000058)

The Mill Seat Landfill #2 Precontact Site (A05515.000058) is a prehistoric site comprised of four (4) loci situated throughout varying sections of the APE north of Bovee Road (Appendix I). Walkover reconnaissance was conducted within farm fields where three (3) of the four (4) loci are found. Locus 1 is located in the northeastern quadrant of the APE, north of Bovee Road and west of Brew Road, and is comprised of 2 find spots. Locus 1 measures approximately 31,799-ft^2 / 2,954-m^2. Locus 2 is located in the southwest-central section of the APE, and contains five (5) find spots. Locus 2 measures approximately 43,560-ft^2 / 4,047-m^2. Locus 3 is located in the northeastern quadrant of the APE on the west side of Brew Road, and contains 3 find spots. Locus 3 measures approximately 40,075-ft^2 / 3,723-m^2. Locus 4 is located in northeast quadrant of the APE, on the eastern boundary, and measures approximately 42,558-ft^2 / 3,957-m^2. As previously stated, Locus 4 will be avoided, and was not examined as part of these Phase II investigations. Tables 1 -3 summarize all find spots associated with specific loci within the Mill Seat Landfill #2 Precontact Site, artifacts encountered, and artifact categories represented within the site boundaries.

There were a total of 10 artifacts recovered from 8 separate surface find spots and one (1) test unit within the three (3) loci examined during Phase II investigations for the Mill Seat Landfill #2 Precontact Site (A05515.000058). Artifacts recovered from the Mill Seat Landfill Site #2 belong to one (1) artifact category-Chert Flakes (100%). All of the lithic artifacts recovered from the Mill Seat Landfill #2 Precontact Site appear to have been manufactured from Onondaga chert. During Phase II investigations, the lithic assemblage is comprised entirely of debitage manufactured from Onondaga chert. The Onondaga Escarpment, which runs east to west along the northern shoreline of Lake Erie, traveling parallel to NYS Route 5, and extending into Albany would have been a readily available source of chert for early inhabitants in this region.

Table 1. Artifacts Recovered from the Mill Seat Landfill #2 Precontact Site (A05515.000058)

Locus	Find Spot (FN)	Number of artifacts	Description	Artifact Categories
1	2	1	1 pc. flake	Lithic (.23%)
1	3	1	1 pc. flake	Lithic (.23%)
2	4	1	1 pc. flake	Lithic (.23%)
2	5	1	1 pc. flake	Lithic (.23%)
2	6	1	1 pc. flake	Lithic (.23%)
2	7	2	2 pc. flake	Lithic (.46%)
3	8	1	1 pc. flake	Lithic (.23%)
3	9	1	1 pc. flake	Lithic (.23%)
3	Test Unit 2, Level 1	1	1 pc. flake	Lithic (.21%)

Table 2. Summary of Artifact Categories from the Mill Seat Landfill #2 Precontact Site (A05515.000058)

Functional Group	Number of Artifacts	% of Assemblage
Lithic	10	100
Total	**10**	**100%**

Table 3. Summary of Lithic Artifacts Recovered from the Mill Seat Landfill #2 Precontact Site (A05515.000058)

Prehistoric Artifact Categories	Locus 1	Locus 2	Locus 3	Percentage
Chert Flakes	2	5	3	100%
Total Artifacts	**2**	**5**	**3**	**100%**

Subsistence and settlement patterns of the Erie, Seneca and Neutral Native Americans fall within the central and western sections of New York State. The APE of the Proposed Site is located directly in the western section of the aforementioned native groups' known settlement locations. The types of lithic artifacts recovered from this APE are not only typical of previously recorded sites in the area, but are indicative of potential similar lithic sites and/or Archaic settlements that may exist *in situ* below the ground surface. As was outlined in previous Phase I investigations, the sporadic disbursement of artifacts within the Mill Seat Landfill #2 Precontact Site (A05515.000058), suggests a possible association with a minimum of 11 previously recorded sites: 03709.000039, Follett 79A, Mac Ann #2 (surface evidence, 789-m / 2,589-ft south of Locus 1); 05515.000012, Riga Landfill Isolated Artifact #1 (Bgn 40) (probable Archaic isolated find, 316-m / 1037-ft north of the APE); 05515.000013, Riga Landfill Isolated Artifact #2 (Bgn 41) (unidentified precontact isolated find, 878-m / 2,881-ft north of the APE); NYSM 2662, Bgn 18-3 RMSC (unidentified precontact burial site, 1477 m / 4,846 ft southeast of the APE); 05515.000048-59 Brew Road East #1 and 2 (probable Archaic stray finds, adjacent to the APE); 05515.000050,

Brew Road West #1 (probable Archaic stray find, adjacent to the APE); 05515.000051-53, Brew Road West #2-4 (probable Archaic lithic scatters, adjacent to the APE); 05515.000054, Mill Seat West Area Stray Find, (unidentified prehistoric stray find, adjacent to the APE).

Photograph 1: FN2: Mill Seat Landfill #2 Precontact Site (A05515.000058) Locus 2, lithic flake; FN4: Mill Seat Landfill #2 Precontact Site (A05515.000058) Locus 2, lithic flake fragment

Phase II Unit Excavations

Test Unit #1

Test Unit #1 measured 1.00-m x 1.00-m / 3-ft x 3-ft and was oriented north/south (Appendix I). The test unit was excavated in natural layers, with two (2) distinct stratigraphic layers present. Test Unit #1 was excavated manually with shovels and trowels and reached a maximum depth of 51 centimeters (cmbd) / 20 inches below datum. The datum was placed at ground surface in the northeast corner of the test unit.

The soil in Layer I consisted of 10YR 4/3 brown silt loam. Layer I extended to a maximum of 12-in / 30-cm below datum. Layer II was comprised of 10 YR 5/4 yellowish brown silt loam, reaching a maximum depth of 20-in / 51-cm below datum. The test unit appeared to be undisturbed. No cultural material was recovered from Test Unit #1.

Photograph 1. Locus 1, Test Unit #1, base of excavation, looking north.

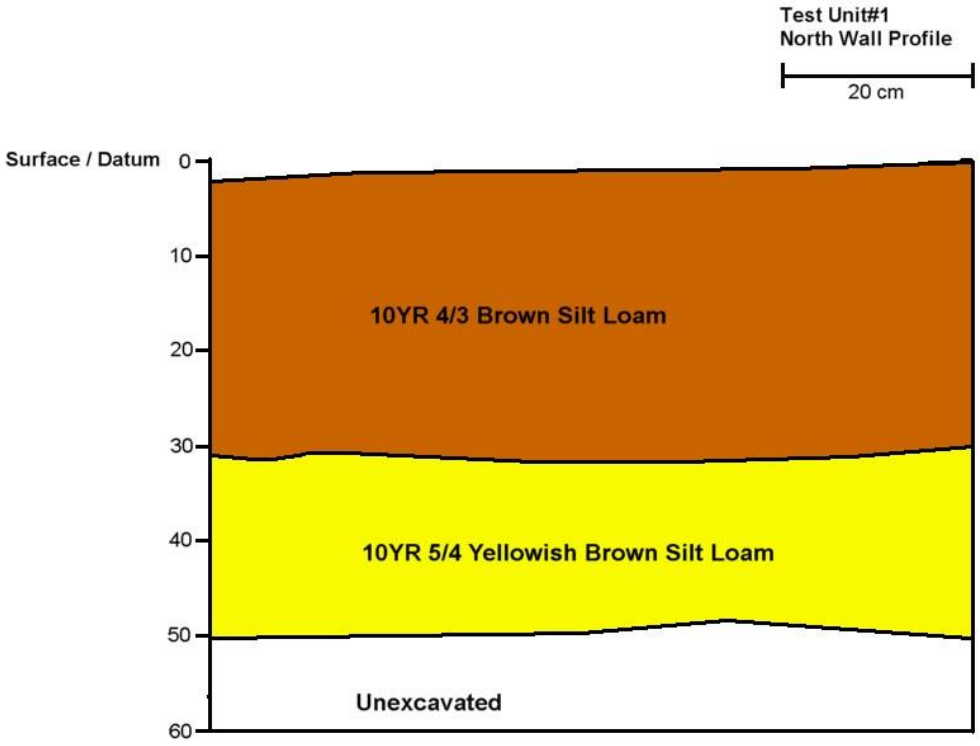


Figure 2. Test Unit #1, North Wall Profile

Test Unit #2

Test Unit #2 measured 1.00-m x 1.00-m / 3-ft x 3-ft and was oriented north/south (Appendix I). The test unit was excavated in natural layers, with two (2) distinct stratigraphic layers present. Test Unit #2 was excavated manually with shovels and trowels and reached a maximum depth of 51 centimeters (cmbd) / 20 inches below datum. The datum was placed at ground surface in the southwest corner of the test unit.

The soil in Layer I consisted of 10YR 4/3 brown silt loam. Layer I extended to a maximum of 12-in / 30-cm below datum. Layer II was comprised of 10 YR 5/4 yellowish brown silt loam, reaching a maximum depth of 56.5 cm / 22 inches below datum. The test unit appeared to be undisturbed. One (1) lithic flake was recovered from Layer I (plowzone) of Test Unit #2.

Photograph 2. Locus 2, Test Unit #2, base of excavation, looking northeast.

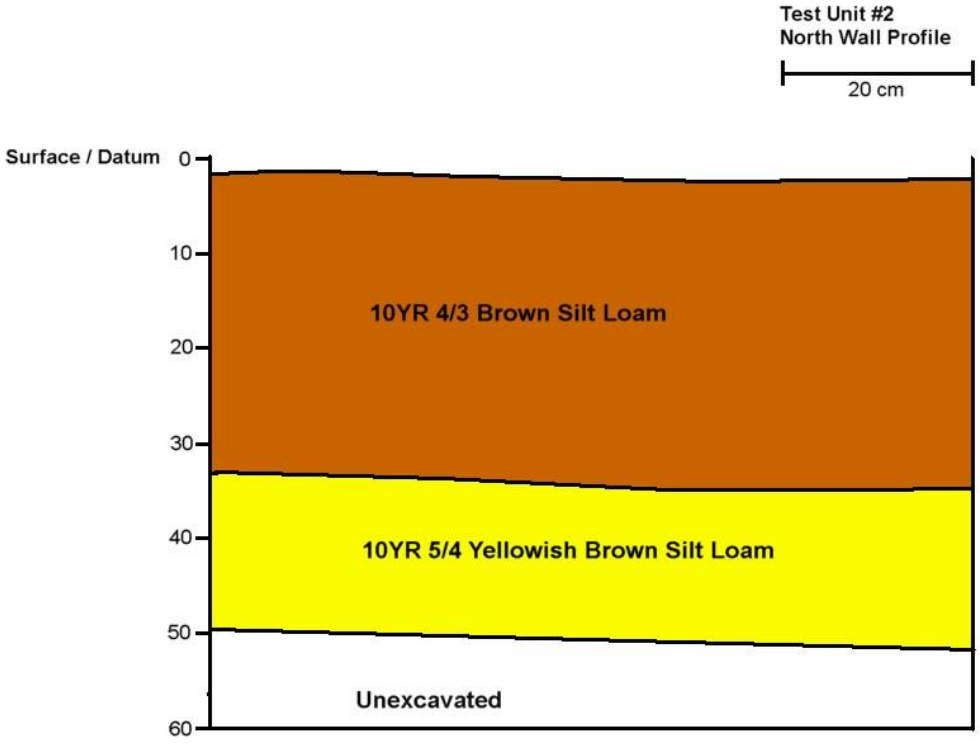


Figure 3. Test Unit #2, North Wall Profile

SITE INTEGRITY AND DATA RECOVERY – Mill Seat Landfill #2 Precontact Site (A05515.000058)

Site Integrity
Mill Seat Landfill #2 Precontact Site (A05515.000058)
Mill Seat Landfill #2 Precontact Site (A05515.000058) is a prehistoric site comprised of four (4) loci situated throughout varying sections of the APE north of Bovee Road (Appendix I). Walkover reconnaissance was conducted within farm fields where Loci 1-3 are found. Locus 1 is located in the northeastern quadrant of the APE, north of Bovee Road and west of Brew Road, and is comprised of 2 find spots. Locus 1 measures approximately 31,799-ft^2 / 2,954-m^2. Locus 2 is located in the southwest-central section of the APE, and contains 3 find spots. Locus 2 measures approximately 43,560-ft^2 / 4,047-m^2. Locus 3 is located in the northeastern quadrant of the APE on the west side of Brew Road, and contains 4 find spots. Locus 3 measures approximately 40,075-ft^2 / 3,723-m^2. Locus 4 is located in northeast quadrant of the APE, measuring approximately 42,558-ft^2 / 3,957-m^2. Locus 4 was not examined during these Phase II investigations.

Data Recovery
Mill Seat Landfill #2 Precontact Site (A05515.000058)
The data recovery for the Mill Seat Landfill #2 Precontact Site (A05515.000058) included intensive field investigations within three (3) loci where artifacts were recovered during Phase I investigations. Previous Phase I investigations determined that the site could provide data about the middle to late Archaic period and the Paleo-environment of the existing site itself and that of known sites within the vicinity of the APE. Therefore appropriate steps were taken to help determine the temporal age, site size, site context, and current archaeological integrity of the site.

Phase II Cultural Resources Investigations data recovery was accomplished through the excavation of two (2) test units, and two (2) walkover reconnaissance of each loci. Walkover reconnaissance and test unit placement utilized strategic design to help obtain archaeological information significant to the existing Mill Seat Landfill #2 Precontact Site (A05515.000058). Walkover reconnaissance and test units were utilized to help determine what, if any, cultural event horizons had occurred throughout the site, recover additional artifacts to help identify the primary activity/activities in the vicinity, further delineate horizontal and vertical site boundaries, and to confirm the presence or absence of any cultural activities that may have taken place in the immediate area.

There were a total of ten (10) artifacts recovered from nine (9) separate surface find spots and one (1) test unit within the three (3) loci examined during Phase II investigations for the Mill Seat Landfill #2 Precontact Site (A05515.000058). Artifacts recovered from the Mill Seat Landfill #2 Precontact Site (A05515.000058) all belong to one (1) artifact category, Chert Flakes (100%). All of the lithic artifacts recovered appear to have been manufactured from Onondaga chert. The lithic assemblage is comprised of debitage. The Onondaga Escarpment, which runs east to west along the northern shoreline of Lake Erie, traveling parallel to NYS Route 5, and extending into Albany would have been a readily available source of chert for early inhabitants in this region.

Locus 1
Locus 1 is located in the northeastern quadrant of the APE, north of Bovee Road and west of Brew Road, and is comprised of two (2) Phase I find spots. Locus 1 measures approximately 31,799-ft^2 / 2,954-m^2. Phase II investigations, consisting of two (2) walkover reconnaissance and the placement of one (1) test unit produced four (4) surface finds (Table 1). Artifacts recovered during Phase II investigations consisted of lithic debitage.

Locus 2
Locus 2 is located in the southwest-central section of the APE, and contained three (3) Phase I find spots. Locus 2 measures approximately 43,560-ft^2 / 4,047-m^2. Phase II investigations, consisting of two (2) walkover reconnaissance and the placement of one (1) test unit produced five (5) artifacts (Table 1).

Locus 3
Locus 3 is located in the northeastern quadrant of the APE on the west side of Brew Road, and contained four (4) Phase I find spots. Locus 3 measures approximately 40,075-ft^2 / 3,723-m^2. Locus 3 was subject to two (2) walkover reconnaissance. Two (2) additional artifacts were recovered from Locus 3 during these Phase II Investigations.

Locus 4
Locus 4 is located in the northeastern quadrant of the APE, and contains 14 find spots from Phase I surface investigations. Locus 4 measures approximately 42,558-ft^2 / 3,957-m^2. Given the client chose to pursue avoidance of Locus 4 (Appendix VI), Locus 4 was not examined any further as part of these Phase II Investigation.

PHASE II SITE ANALYSIS - Mill Seat Landfill #2 Precontact Site (A05515.000058)

The primary purpose of these Phase II excavations was to determine the extent of the Mill Seat Landfill #2 Precontact Site (A05515.000058), and to obtain greater information on the integrity, limits, and cultural significance to evaluate its potential National Register Eligibility. Two (2) walkover reconnaissance, and the excavation of two (2) test units resulted in the recovery of minimal cultural materials within the loci that will be impacted by construction. All of artifacts recovered (9) were categorized as lithic flakes (100%). Artifacts recovered during Phase II investigations did not increase the temporal or contextual understanding of the site. Soils appeared to be relatively intact with no significant disturbance noted (Appendix I). Given the unremarkable nature of the soils themselves, in addition to the lack of cultural material, it was determined that Loci I, II, and III, within the Mill Seat Landfill #2 Precontact Site (A05515.000058) consists of a stray finds and surface scatters. A temporal context can only be surmised from previous Phase I investigations, with a majority of diagnostic material being recovered then. Consisting of a projectile point from the Archaic Brewerton Complex (middle to late archaic period) between 4000 and 3000 B.C. The lack of additional cultural material recovered suggests that the Mill Seat Landfill #2 Precontact Site (A05515.000058) and its immediate vicinity contain little to no further research potential. As a result, Phase III investigations are not warranted for the Mill Seat Landfill Site #2.

VI. MENZIE HSITORIC SITE (A05515.000059)

The Menzie Historic Site (A05515.000059) surrounds an extant ca. 1860's residential structure (# 515 Bovee Road) situated in the southeast quadrant of the APE just on the south side of Bovee Road. The Menzie Historic Site is irregularly shaped, and encompasses approximately 6 acres / 2.43 hectares. The Menzie Historic Site consists of farm field, mown lawn with several large trees, a fallow garden to the immediate west of the residence, two (2) modern metal-sided sheds to the west and south of the residence, and a barn, also located to the south of the residence (Appendix I). The residential structure is currently occupied. Examinations of historic maps indicate at least one (1) outbuilding on the western side of the residence, probably the location of the modern shed located to the west of the residence. Except for a propane tank and driveway to the east of the residence, visual inspection revealed little obvious disturbance within and adjacent to the site. As a result, walkover reconnaissance was limited to the surrounding farm fields. ***It should be noted that discussions with the client indicated that the residence and surrounding structures will remain and will not be impacted by the Proposed Action. In addition, a majority the site itself will remain farmland, to be leased out.***

Walkover reconnaissance at the Menzie Historic Site (A05515.000059) resulted in the placement of 22 find spots (FN's). There were a total of 38 artifacts recovered from 22 surface find spots within the Menzie Historic Site (A05515.000059), all from the farm fields surrounding the residence. Artifacts recovered from the site belong to four (4) separate functional groups: Architectural (15.8%), Kitchen (76.3%), Faunal (2.6%), Lithic (5.3%). Tables 4 and 5 reflect all positive shovel tests and find spots associated with the Menzie Historic Site (A05515.000059), artifacts encountered, and functional groups represented within the site boundaries. Included among the recovered artifacts were two (2) lithic artifacts. Given the presence of the Mill Seat Landfill Site #2 site north of the Menzie Historic Site (A05515.000059), it is possible these artifacts are associated with Mill Seat Landfill Site #2. The following table reflects all artifacts recovered as part of Phase II investigations for the Menzie Historic Site (A05515.000059):

Table 4. Artifacts Recovered from the Menzie Historic Site (A05515.000059)

FN	Number of artifacts	Description	Artifact Categories
A02	1	1 pc. brown manganese-glazed stoneware (1840-1900)	Kitchen (2.6%)
A03	1	1 pc. ironstone (1870+)	Kitchen (2.6%)
A07	3	1 pc. clam shell, 1 pc. whiteware (1860+), 1 pc. flake	Faunal (2.6%), Kitchen (2.6%), Lithic (2.6%)
A08	3	1 pc. whiteware (1860+), 1 pc. shell-edged whiteware (1802-1840), 1 pc. red brick	Kitchen (5.3%), Architectural (2.6%)
A11	2	1 pc. Albany slipware (1840-1900), 1 pc. blue-painted whiteware (1840+)	Kitchen (5.3%)
A12	3	1 pc. whiteware (1860+), 2 pc. red brick	Kitchen (2.6%), Architectural (5.3%)
A14	2	1 pc. ironstone (1870+), 1 pc. aqua bottle glass	Kitchen (5.3%)
A15	4	3 pc. whiteware (1860+), 1 pc. flake	Kitchen (5.3%), Lithic (2.6%)
A16	2	1 pc. Albany slipware (1840-1900), 1 pc. clear bottle glass	Kitchen (2.6%)
A17	1	1 pc. whiteware (1860+)	Kitchen (2.6%)
A18	2	2 pc. dark green bottle glass (1830-1900)	Kitchen (5.3%)
A19	2	1 pc. shell-edged whiteware (1802-1840), 1 pc. whiteware (1860+)	Kitchen (5.3%)
A20	2	1 pc. whiteware (1860), 1 pc. porcelain electrical knob (1890-1950)	Kitchen (2.6%), Architectural (2.6%)
A21	1	1 pc. porcelain (1850+)	Kitchen (2.6%)
A22	2	2 pc. whiteware (1860+)	Kitchen (5.3%)
A23	1	1 pc. whiteware (1860+)	Kitchen (2.6%)
A24	1	1 pc. whiteware (1860+)	Kitchen (2.6%)
A26	2	2 pc. red brick	Architectural (5.3%)
A27	1	1 pc. blue transferprint (1840-1860)	Kitchen (2.6%)
A28	1	1 pc. clear glass	Kitchen (2.6%)
A35	1	1 pc. ironstone (1870+)	Kitchen (2.6%)

Table 5. Summary of Artifact Categories from the Menzie Historic Site (A05515.000059)

Functional Group	Number of Artifacts	% of Assemblage
Architectural	6	15.8
Faunal	1	2.6
Kitchen	29	76.3
Lithic	2	5.3
Personal	0	0
Total	**38**	**100**

Photograph 4. FN A14: Menzie Historic Site (A05515.000059), 1 pc. ironstone (1870+);
FN A12: Menzie Historic Site (A05515.000059), 1 pc. whiteware (1860+)

SITE INTEGRITY AND DATA RECOVERY - Menzie Historic Site (A05515.000059)

Site Integrity
Menzie Historic Site (A05515.000059)
Menzie Historic Site (A05515.000059) is a historic site encompassing and adjacent to #515 Bovee Road (Appendix I). Walkover reconnaissance was conducted within farm fields surrounding #515 Bovee Road.

Data Recovery
Menzie Historic Site (A05515.000059)
The data recovery for the Menzie Historic Site (A05515.000059) included intensive field investigations where artifacts were recovered during Phase I investigations. Previous Phase I investigations determined that the site could provide data about 19th Century farm life within the vicinity of the APE. Therefore appropriate steps were taken to help determine the temporal age, site size, site context, and current archaeological integrity of the site.

Phase II Cultural Resources Investigations data recovery was accomplished through two (2) walkover reconnaissance of the site and its vicinity. Walkover reconnaissance utilized strategic design to help obtain archaeological information significant to the existing Menzie Historic Site (A05515.000059). Walkover reconnaissance was utilized to help determine what, if any, cultural event horizons had occurred throughout the site, recover additional artifacts to help identify the primary activity/activities in the vicinity, further delineate horizontal and vertical site boundaries, and to confirm the presence or absence of any cultural activities that may have taken place in the immediate area.

There were a total of 38 artifacts recovered from 21 separate surface find spots during Phase II investigations for the Menzie Historic Site (A05515.000059). Artifacts recovered from the Menzie Historic Site (A05515.000059) belong to five (5) artifact categories, primarily kitchen items (Table 4).

Deed Research

Deed research was completed for the parcels encompassing the Menzie Historic Site (A05515.000059). Deeds examined at the Monroe County Clerk's Office indicated that the properties have been occupied primarily by the Menzie and Mahar families since the mid-1830's (Appendix III).

VI. PHASE II SITE ANALYSIS, MENZIE HISTORIC SITE (A05515.000059)

The primary purpose of these Phase II excavations was to determine the extent of the Menzie Historic Site (A05515.000059), and to obtain greater information on the integrity, limits, and cultural significance to evaluate its potential National Register Eligibility. Two (2) walkover reconnaissance resulted in the recovery of a moderate amount of cultural materials. Artifacts recovered during Phase II investigations did not increase the temporal or contextual understanding of the site that had been obtained during Phase I investigations. Soils appeared to be relatively intact with no significant disturbance noted. Given the close proximity of the circa 1860's structure at #515 Bovee Road and the Campbell/Menzie Historic Site (A05515.000060), and the recovery of artifacts primarily from the 19th Century, it is likely the site is a refuse scatter / midden associated with the residence. While Phase III investigations are not warranted for the the Menzie Historic Site (A05515.000059) as a whole, Powers & Teremy, LLC believe that further archaeological work may provide additional information about the site. Consequently, archaeological monitoring is recommended for the Menzie Historic Site (A05515.000059) adjacent to Bovee Road, should it be impacted by development in the future.

VII. CAMPBELL MENZIE HISTORIC SITE (A05515.000060)

The Campbell/Menzie Historic Site (A05515.000059) consists of a MDS that is no longer extant. The site is situated in the southeast quadrant of the APE just on the south side of Bovee Road, west of the Menzie Historic Site (A05515.000059) previously described (Appendix I). The site was subject to walkover reconnaissance. The site is rectangular-shaped, and encompasses approximately 2.6 acres / 1.05 hectares. Historic maps consulted (Powers & Teremy, LLC : 2013) reveal a residence present in the site location as early as 1858 (P.D. Campbell), and was present until at least 1924 (H.J. Menzie). Currently, no foundations or other structural remains are visible. ***It should be noted that the Proposed Action does not involve ground disturbance in this area, and that the fields comprising this area will be leased for farming activity.***

Walkover reconnaissance in the farm field encompassing the Campbell/Menzie Historic Site (A05515.000059) resulted in the placement of 105 find spots (FN's) and 47 shovel test units. There were a total of 422 artifacts recovered from 105 surface find spots and 20 STPs within the Campbell-Menzie Historic Site (A05515.000059). Artifacts recovered from the site belong to five (5) separate functional groups: Architectural (15.2%), Kitchen (80.3%), Faunal (3.1%), Lithic (.2%), and Personal (1.4%). Tables 6, 7, and 8 reflect all find spots associated with the Campbell-Menzie Historic Site (A05515.000059), artifacts encountered, and functional groups represented within the site boundaries.

Table 6. Artifacts Recovered from the Campbell/Menzie Historic Site (A05515.000059)

FN / STP	Number of artifacts	Description	Artifact Categories
10	2	1 pc. blue transferprint whiteware (1840-1860), 1 pc. white ironstone (1870+)	Kitchen (.46%)
11	2	1 pc. brown-glazed redware (1800+), 1 pc. clear bottle glass	Kitchen (.46%)
12	2	1 pc. Albany slipware (1800-1910), 1 pc. blue transferprint (1840-1860)	Kitchen (.46%)
13	6	1 pc. shelled whiteware (1802-1840), 1 pc. whiteware, (1860+), 1 pc. white ironstone (1870+), 1 pc. aqua bottle glass, 1 pc. red brick, 1 pc. clear window glass	Kitchen (.93%), Architectural (.46%)
14	2	1 pc. blue transferprint whiteware (1820-1860), 1 pc. aqua bottle glass	Kitchen (.46%)
15	9	3 pc. Albany slip stoneware (1800-1910), 3 pc. whiteware (1860+), 2 pc. white ironstone (1870+), 1 pc. aqua jar glass	Kitchen (2.3%)
16	9	2 pc. whiteware (1860+), 1 pc. brown bottle glass, 2 pc. aqua bottle glass, 1 pc. dark green liquor glass, 3 pc. red brick	Kitchen (1.39%), Architectural (.64%)

FN / STP	Number of artifacts	Description	Artifact Categories
17	6	3 pc. whiteware (1860+), 2 pc. blue transferprint (1840-1860), 1 pc. copper clasp	Kitchen (1.16%), Personal (.23%)
18	4	1 pc. blue transferprint (1840-1860), 1 pc. aqua bottle glass, 1 pc. red brick, 1 pc. clear window glass	Kitchen (.46%), Architectural (.46%)
19	8	2 pc. salt glazed stoneware (1840-1900), 1 pc. painted whiteware (1830-1890), 1 pc. white ironstone (1870+), 1 pc. whiteware (1860+), 2 pc. aqua bottle glass, 1 pc. red brick	Kitchen (1.62%), Architectural (.23%)
20	9	5 pc. whiteware (1860+), 2 pc. ironstone (1870+), 1 pc. blue transferprint (1840-1860), 1 pc. aqua bottle jar	Kitchen (2.3%)
21	6	5 pc. ironstone (1870+), 1 pc. whiteware (1906+)	Kitchen (1.39%)
22	5	3 pc. whiteware (1860+), 1 pc. ironstone (1870+), 1 pc. aqua window glass	Kitchen (.93%), Architectural (.23%)
24	6	1 pc. Albany slipware (1840-1900), 4 pc. molded ironstone (1870+), 1 pc. red brick	Kitchen (1.16%), Architectural (.23%)
25	4	2 pc. whiteware (1860+), 1 pc. buff body stoneware (1800+), 1 pc. ironstone (1870+)	Kitchen (.93%)
26	5	3 pc. ironstone (1870+), 1 pc. blue transferprint (1840-1860), 1 pc. Albany slipware (1800-1910).	Kitchen (1.16%)
28	4	1 pc. ironstone (1870+), 1 pc. whiteware (1860+), 1 pc. yellowware (1830+), 1 pc. brown bottle glass	Kitchen (.93%)
29	4	1 pc. ironstone (1870+), 1 pc. whiteware (1860+), 1 pc. Albany slipware (1840-1900), 1 pc. clear window glass	Kitchen (.64%), Architectural (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
30	8	3 pc. blue transferprint (1840-1860), 1 pc. whiteware (1860+), 1 pc. black transferprint (1830-1850+), 1 pc. flow black whiteware (1830-1850), 1 pc. aqua jar glass	Kitchen (1.9%)
31	5	2 pc. whiteware (1860+), 1 pc. white glass, 1 pc. brown glass, 1 pc. kaolin pipe bowl (19th century)	Kitchen (.93%), Personal (.23%)
32	2	1 pc. whiteware (1860+), 1 pc. red brick	Kitchen (.23%), Architectural (.23%)
33	11	3 pc. blue transferprint (1840-1860), 1 pc. ironstone (1870+), 4 pc. whiteware (1860+), 1 pc. aqua bottle glass, 1 pc. green bottle glass, 1 pc. red brick	Kitchen (2.3%), Architectural (.23%)
34	2	1 pc. clear bottle glass, 1 pc. red brick	Kitchen (.23%), Architectural (.23%)
35	3	1 pc. clear bottle glass, 1 pc. aqua bottle glass, 1 pc. green bottle glass	Kitchen (.64%)
36	2	1 pc. green bottle glass, 1 pc. red brick	Kitchen (.23%), Architectural (.23%)
37	6	3 pc. whiteware (1870+), 2 pc. blue transferprint (1840-1860). 1 pc. aqua window glass	Kitchen (1.16%), Architectural (.23%)
38	7	1 pc. clear bottle glass, 1 pc. clear decorative glass, 4 pc. aqua jar glass, 1 pc. red brick	Kitchen (1.3%), Architectural (.23%)
39	3	2 pc. whiteware (1860+), 1 pc. red brick	Kitchen (.46%), Architectural (.23%)
41	2	1 pc. whiteware (1860+), 1 pc. aqua glass	Kitchen (.23%), Architectural (.23%)
42	1	1 pc. whiteware (1860+)	Kitchen (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
43	2	1 pc. blue transferprint (1840-1860), 1 pc. blue embossed whiteware (1823-1835)	Kitchen (.46%)
44	7	1 pc. ironstone (1870+), 1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860+), 1 pc. blue impressed whiteware (1802-1840), 2 pc. aqua bottle glass, 1 pc. red brick	Kitchen (1.3%), Architectural (.23%)
45	7	2 pc. ironstone (1870+), 2 pc. whiteware (1860+), 1 pc. aqua glass, 1 pc. light blue glass, 1 pc. red brick	Kitchen (1.3%), Architectural (.23%)
46	5	1 pc. blue transferprint (1840-1860), 3 pc. ironstone (1870+), 1 pc. clear window glass	Kitchen (.93%), Architectural (.23%)
47	8	1 pc. mammal bone, 2 pc. ironstone (1870+), 1 pc. whiteware (1860+), 2 pc. blue transferprint (1840-1860), 1 pc. white glass dish, 1 pc. clear bottle glass	Faunal (.23%), Kitchen (1.5%)
48	2	2 pc. red brick	Architectural (.46%)
50	2	2 pc. ironstone (1870+)	Kitchen (.46%)
51	3	3 pc. clam shell	Faunal (.64%)
52	3	1 pc. ironstone (1870+), 1 pc. whiteware (1860+), 1 pc. aqua bottle glass	Kitchen (.64%)
53	3	2 pc. ironstone (1870+), 1 pc. Albany slipware (1824-1850)	Kitchen (.64%)
54	1	1 pc. whiteware (1860+)	Kitchen (.23%)
55	1	1 pc. aqua bottle glass	Kitchen (.23%)
58	6	1 pc. blue transferprint (1840-1860), 2 pc. black transferprint (1830-1850), 2 pc. whiteware (1860+), 1 pc. aqua bottle glass	Kitchen (1.3%)
59	2	2 pc. whiteware (1860+)	Kitchen (.46%)
60	2	2 pc. whiteware (1860+)	Kitchen (.46%)

FN / STP	Number of artifacts	Description	Artifact Categories
61	4	3 pc. whiteware (1860+), 1 pc. aqua bottle glass	Kitchen (.64%)
62	3	2 pc. ironstone (1870+), 1 pc. light green whiteware (1860+)	Kitchen (.64%)
63	4	2 pc. whiteware (1860+), 2 pc. red brick	Kitchen (.46%), Architectural (.46%)
65	2	1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860)	Kitchen (.46%)
66	3	2 pc. whiteware (1860+), 1 pc. clear window glass	Kitchen (.46%), Architectural (.23%)
67	2	1 pc. blue painted whiteware (1860+), 1 pc. whiteware (1860+)	Kitchen (.46%)
68	3	1 pc. clam shell, 1 pc. blue transferprint (1840-1860), 1 pc. whiteware (1860+)	Faunal (.23%), Kitchen (.46%)
69	2	1 pc. blue transferprint (1840-1860), 1 pc. whiteware (1860+)	Kitchen (.46%)
70	2	1 pc. ironstone (1870+), 1 pc. aqua jar glass	Kitchen (.46%)
71	3	1 pc. clam shell, 1 pc. blue transferprint (1820-1860), 1 pc. white glass	Faunal (.23%), Kitchen (.46%)
72	1	1 pc. aqua glass	Kitchen (.23%)
73	2	1 pc. redware (1800+), 1 pc. clear window glass	Kitchen (.23%), Architectural (.23%)
74	3	1 pc. clam shell, 2 pc. blue transferprint (1840-1860)	Faunal (.23%), Kitchen (.46%)
75	3	1 pc. whiteware (1860+), 1 pc. ironstone (1870+), 1 pc. red brick	Kitchen (.46%), Architectural (.23%)
76	2	1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860)	Kitchen (.46%)
77	1	1 pc. aqua bottle glass (1850+)	Kitchen (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
78	1	1 pc. whiteware (1860+)	Kitchen (.23%)
79	3	1 pc. ironstone (1870+), 1 pc. Albany slipware (1840-1900), 1 pc. blue transferprint (1840-1860)	Kitchen (.64%)
80	3	1 pc. blue transferprint (1840-1860), 1 pc. clear window glass, 1 pc. coal	Kitchen (.46%), Architectural (.23%)
81	4	3 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860)	Kitchen (.93%)
82	2	1 pc. mammal long bone, 1 pc. whiteware (1860+)	Faunal (.23%), Kitchen (.23%)
83	1	1 pc. whiteware (1860+)	Kitchen (.23%)
84	2	1 pc. blue transferprint (1840+), 1 pc. ironstone (1870+)	Kitchen (.46%)
85	4	2 pc. whiteware (1860+), 1 pc. clear bottle glass, 1 pc. clear window glass	Kitchen (.64%), Architectural (.23%)
86	4	1 pc. ironstone (1870+), 1 pc. painted whiteware (1860+), 1 pc. painted whiteware (1900+), 1 pc. clear bottle glass	Kitchen (.93%)
87	5	4 pc. whiteware (1860+), 1 pc. Rockinghamware (1840-1900)	Kitchen (1.16%)
88	5	1 pc. molded whiteware (1840+), 1 pc. painted whiteware (1830-1890), 1 pc. blue transferprint (1840+), 2 pc. whiteware (1860+)	Kitchen (1.16%)
89	4	4 pc. whiteware (1860+)	Kitchen (.93%)
90	4	4 pc. ironstone (1870+)	Kitchen (.93%)
91	8	1 pc. whiteware (1860+), 2 pc. aqua bottle glass, 5 pc. clear window glass	Kitchen (.64%), Architectural (1.16%)
92	1	1 pc. ironstone (1870+)	Kitchen (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
93	10	1 pc. black transferprint (1830-1850), 4 pc. ironstone (1870+), 4 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860)	Kitchen (2.3%)
93	1	1 pc. aqua bottle glass	Kitchen (.23%)
94	3	1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 1 pc. aqua bottle glass	Kitchen (.64%)
95	9	1 pc. blue transferprint (1840+), 1 pc. yellowware (1800+), 1 pc. ironstone (1870+), 4 pc. whiteware (1860+), 1 pc. glass mason jar lid (1867+), 1 pc. clear window glass	Kitchen (1.9%), Architectural (.23%)
96	3	1 pc. clam shell, 2 pc. whiteware (1860+)	Faunal (.23%), Kitchen (.46%)
97	1	1 pc. clam shell	Faunal (.23%)
100	1	1 pc. whiteware (1860+)	Kitchen (.23%)
101	1	1 pc. clear bottle glass (1888+)	Kitchen (.23%)
102	1	1 pc. clam shell	Faunal (.23%)
103	1	1 pc. painted whiteware (1860+)	Kitchen (.23%)
104	1	1 pc. blue transferprint (1840-1860)	Kitchen (.23%)
105	4	1 pc. whiteware (1860+), 1 pc. black transferprint (1830-1850), 1 pc. untyped broad-bladed projectile point, 1 pc. aqua bottle glass	Kitchen (.64%), Lithic (.23%)
106	2	1 pc. whiteware (1860+), 1 pc. red brick	Kitchen (.23%), Architectural (.23%)
107	3	1 pc. clam shell, 1 pc. ironstone (1870+), 1 pc. mortar	Faunal (.23%), Kitchen (.23%), Architectural (.23%)
108	1	1 pc. ironstone (1870+)	Kitchen (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
109	3	1 pc. clear bottle glass, 2 pc. clear window glass	Kitchen (.23%), Architectural (.46%)
110	2	1 pc. whiteware (1860+), 1 pc. black transferprint (1830-1850)	Kitchen (.46%)
111	2	1 pc. whiteware (1860+), 1 pc. clear window glass	Kitchen (.23%), Architectural (.23%)
112	2	1 pc. whiteware (1860+), 1 pc. clear window glass	Kitchen (.23%), Architectural (.23%)
114	1	1 pc. clear window glass	Architectural (.23%)
115	1	1 pc. whiteware (1860+)	Kitchen (.23%)
116	4	2 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 1 pc. red brick	Kitchen (.64%), Architectural (.23%)
117	1	1 pc. whiteware (1860+)	Kitchen (.23%)
118	4	3 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860)	Kitchen (.93%)
119	3	1 pc. whiteware (1860+), 1 pc. Albany slipware (1800+), 1 pc. aqua bottle glass	Kitchen (.64%)
120	3	1 pc. ironstone (1870+), 1 pc. whiteware (1860+), 1 pc. clear window glass	Kitchen (.46%), Architectural (.23%)
121	1	1 pc. red brick	Architectural (.23%)
122	3	1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 1 pc. clear glass	Kitchen (.64%)
123	1	1 pc. whiteware (1860+)	Kitchen (.23%)
124	1	1 pc. aqua bottle glass	Kitchen (.23%)
STP 2.1	1	1 pc. kaolin pipe stem (19th century)	Personal (.23%)
STP 2.2	1	1 pc. nail (1840+)	Architectural (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
STP 3.4	4	1 pc. flow black whiteware (1840-1860), 1 pc. whiteware (1860+), 1 pc. aqua bottle glass, 1 pc. kaolin pipe stem (19th century)	Kitchen (.64%), Personal (.23%)
STP 3.5	4	1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 2 pc. red brick	Kitchen (.46%), Architectural (.46%)
STP 4.4	3	2 pc. whiteware (1860+), 1 pc. nail (1840+)	Kitchen (.46%), Architectural (.23%)
STP 4.5	7	1 pc. red transferprint (1829-1850), 1 pc. Albany slipware (1835-1850), 1 pc. brown bottle glass, 1 pc. clear bottle glass, 3 pc. nail (1840+)	Kitchen (.93%), Architectural (.64%)
STP 4.6	3	1 pc. whiteware (1860+), 1 pc. red brick, 1 pc. yellow-glazed brick	Kitchen (.23%), Architectural (.46%)
STP 5.2	1	1 pc. clear bottle glass	Kitchen (.23%)
STP 5.4	2	1 pc. yellowware (1830+), 1 pc. whiteware (1860+)	Kitchen (.46%)
STP 5.5	1	1 pc. clear window glass	Architectural (.23%)
STP 5.6	4	1 pc. Albany slipware (1840-1900), 2 pc. red brick, 1 pc. aqua window glass	Kitchen (.23%), Architectural (.64%)
STP 6.1	3	1 pc. clear bottle glass, 1 pc. clear window glass, 1 pc. dime (1994)	Kitchen (.23%), Architectural (.23%), Personal (.23%)
STP 6.2	1	1 pc. whiteware (1860+)	Kitchen (.23%)
STP 6.4	6	2 pc. ironstone (1870+), 1 pc. red transferprint (1829-1850), 1 pc. blue-painted whiteware (1840+), 1 pc. dark green bottle glass, 1 pc. red brick	Kitchen (1.16%), Architectural (.23%)

FN / STP	Number of artifacts	Description	Artifact Categories
STP 6.5	9	2 pc. ironstone (1870+), 4 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 1 pc. white glass, 1 pc. clear window glass	Kitchen (1.9%), Architectural (.23%)
STP 6.6	5	1 pc. ironstone (1870+), 1 pc. black transferprint (1830-1850), 2 pc. Albany slipware (1840-1900), 1 pc. mammal long bone	Kitchen (.93%), Faunal (.23%)
STP 7.1	1	1 pc. nail	Architectural (.23%)
STP 7.5	1	1 pc. nail	Architectural (.23%)
STP 8.1	1	1 pc. nail	Architectural (.23%)

Table 7. Summary of Artifact Categories from the Campbell/Menzie Historic Site (A05515.000060)

Functional Group	Number of Artifacts	% of Assemblage
Architectural	64	15.2
Faunal	13	3.1
Kitchen	339	80.3
Lithic	1	0.2
Personal	6	1.4
Total	**422**	**100.2**

Table 8. Summary of Lithic Artifacts Recovered from the Campbell/Menzie Historic Site (A05515.000060)

Prehistoric Artifact Categories	FN 105	Total Count	Percentage
Projectile Points	1	1	100
Total Artifacts	**1**	**1**	**100%**

Photograph 5. STP 2.1: Campbell/Menzie Historic Site (A05515.000060), 1 pc. kaolin pipe stem (19th century)
FN 31: Campbell/Menzie Historic Site (A05515.000060), 1 pc. kaolin pipe bowl (19th century)
STP 3.5: Campbell/Menzie Historic Site (A05515.000060), 1 pc. blue transferprint (1840-1860)
FN 105: Campbell/Menzie Historic Site (A05515.000060), 1 pc. untyped broad-bladed projectile point

SITE INTEGRITY AND DATA RECOVERY - Campbell/Menzie Historic Site (A05515.000060)

Site Integrity
Campbell/Menzie Historic Site (A05515.000060)
Campbell/Menzie Historic Site (A05515.000060) is a historic site, in the location of a MDS (Appendix I). Walkover reconnaissance and shovel testing was conducted within farm fields comprising the Campbell/Menzie Historic Site and its vicinity.

Data Recovery
Campbell/Menzie Historic Site (A05515.000060)
The data recovery for the Campbell/Menzie Historic Site (A05515.000060) included intensive field investigations within three (3) loci where artifacts were recovered during Phase I investigations. Previous Phase I investigations determined that the Campbell/Menzie Historic Site could provide data about 19th Century farm life within the vicinity of the APE. Therefore appropriate steps were taken to help determine the temporal age, site size, site context, and current archaeological integrity of the Campbell/Menzie Historic Site.

Phase II Cultural Resources Investigations data recovery was accomplished through two (2) walkover reconnaissance of the site and its vicinity, as well as shovel testing. Walkover reconnaissance and shovel testing utilized strategic design to help obtain archaeological information significant to the existing Campbell/Menzie Historic Site (A05515.000060). Walkover reconnaissance and shovel testing was utilized to help determine what, if any, cultural event horizons had occurred throughout the Campbell/Menzie Historic Site, recover additional artifacts to help identify the primary activity/activities in the vicinity, further delineate horizontal and vertical site boundaries, and to confirm the presence or absence of any cultural activities that may have taken place in the immediate area.

There were a total of 422 artifacts recovered from 107 separate surface find spots and 17 shovel tests completed during Phase II investigations for the Campbell/Menzie Historic Site (A05515.000060). Artifacts recovered from the Campbell/Menzie Historic Site (A05515.000060) belong to five (5) artifact categories, primarily kitchen items (Table 7). Given the quantity of artifacts recovered, it is possible that the Campbell/Menzie Historic Site (A05515.000060) is National Register eligible. No buried structural components, such as foundations were discovered during walkover reconnaissance or shovel testing. Minimal lithic artifacts (1) suggests this site holds limited research potential regarding the prehistory of the area.

Campbell/Menzie Historic Site (A05515.000060) Phase II Shovel Test Results

An estimated 1.5 acres / .6 hectares was subject to subsurface testing as part of these Phase II investigations (Appendix I). Eight (8) transects were placed within the Campbell/Menzie Historic Site (A05515.000060), containing a total of 47 shovel tests (Appendices I and IV). 45 (96%) of the 47 shovel tests excavated reached a second layer. The excavations of two (2) (4%) shovel tests were halted having a layer I that exceeded 20 inches / 50 cmbs into sterile subsoil (Appendix IV). Soils encountered in the STPs were as outlined as a typical profile by the Soil Survey of Monroe County (USDA 1969).

Layer I

Layer I averaged 14 inches / 36 cmbs, with a maximum depth of 23 inches / 58 cmbs recorded. Variations in soil color may be the result of a mixed A and B horizons or varying moisture levels within the soil. The following tables summarize soil color and consistency within Layer I (Tables 9 and 10).

Table 9. Layer I Soil Colors

10YR 4/3 Brown	55.32%
10YR 3/3 Dark Brown	23.40%
10YR 4/2 Dark Grayish Brown	19.15%
10YR 5/2 Grayish Brown	2.13%

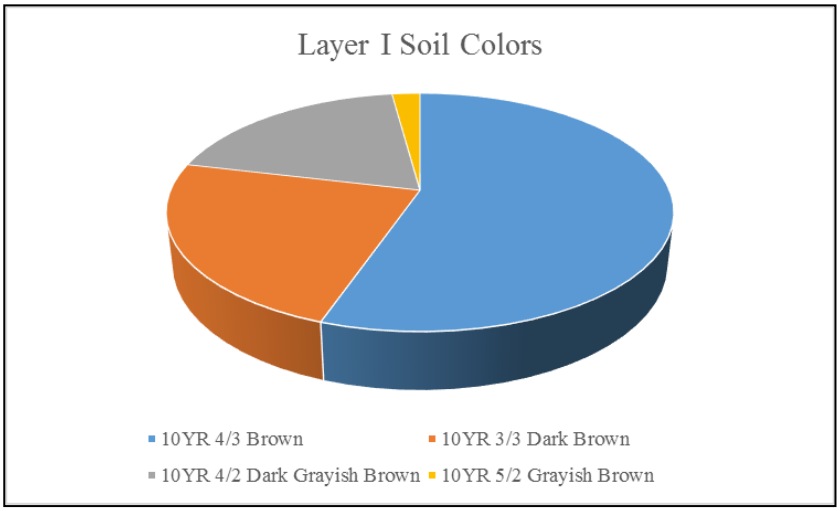
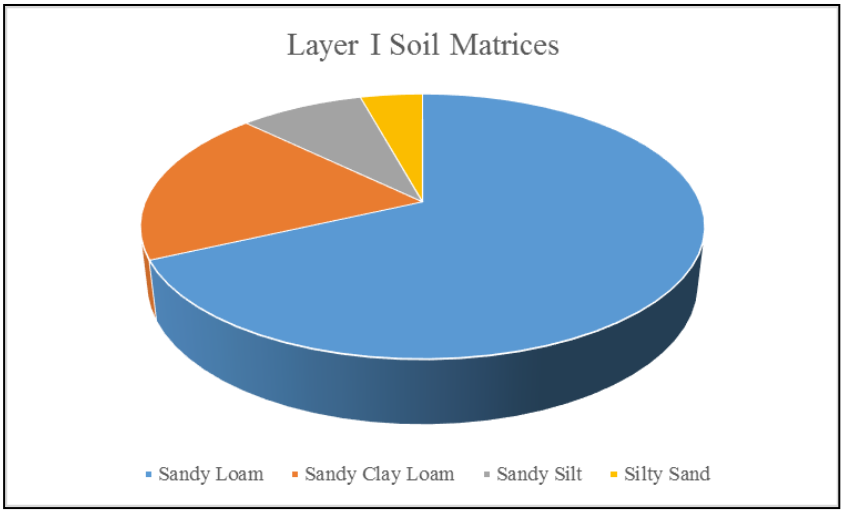


Table 10. Layer I Soil Matrices

Sandy Loam	68.09%
Sandy Clay Loam	19.15%
Sandy Silt	8.51%
Silty Sand	4.26%



Layer II

Layer II consisted of B horizon soils. Layer II was excavated to an average depth of 19 inches / 48 cmbs, with a maximum depth reached of 24 inches / 61 cmbs. The following tables summarize soil color and consistency within Layer II (Tables 11 and 12).

Table 11. Layer II Soil Colors

5YR 5/3 Reddish Brown	57.78%
10YR 4/4 Dark Yellowish Brown	22.22%
10YR 5/4 Yellowish Brown	17.78%
10YR 3/3 Dark Brown	2.22%

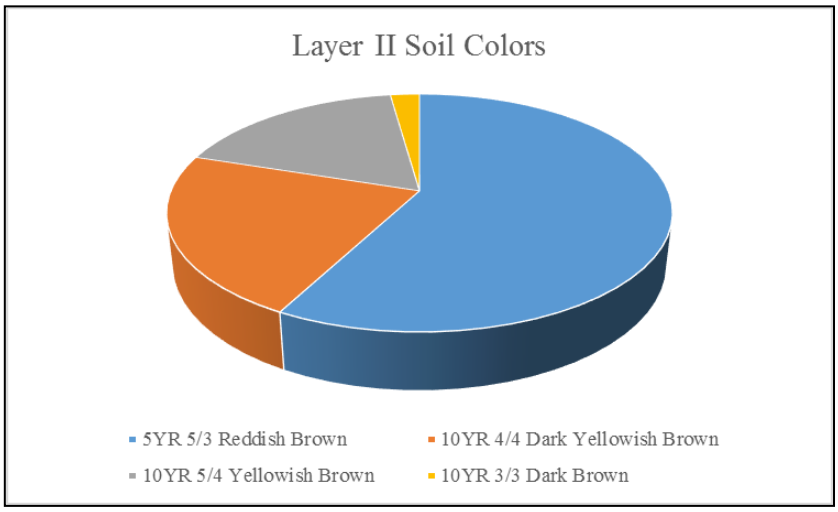
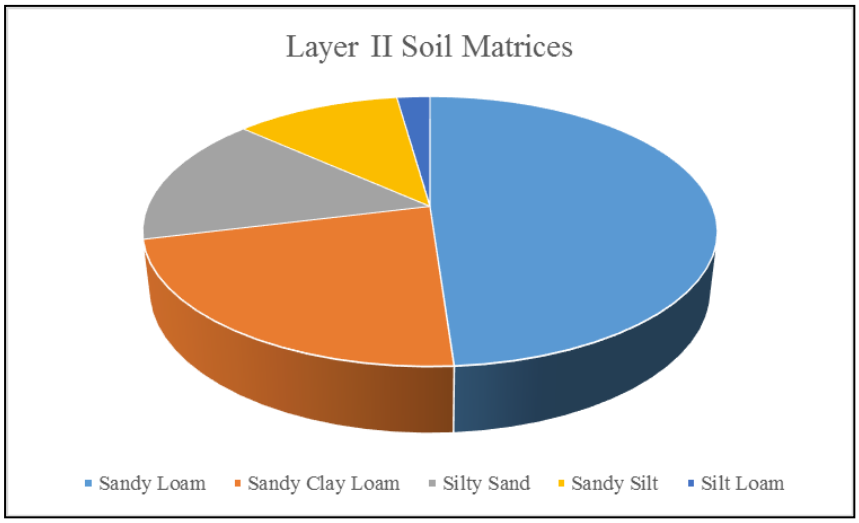


Table 12. Layer II Soil Matrices

Sandy Loam	48.89%
Sandy Clay Loam	22.22%
Silty Sand	15.56%
Sandy Silt	11.11%
Silt Loam	2.22%



Numerous tests exhibited depths below 20 inches / 50 cmbs, for example, STP 2.6 was excavated to 22 inches /57 cmbs and STP 1.4 was excavated to 24 inches / 61 cmbs. There was no evidence of disturbance in any of the shovel tests excavated.

Deed Research

Deed research was completed for the parcels encompassing the Campbell/Menzie Historic Site (A05515.000060). Deeds examined at the Monroe County Clerk's Office indicated that the properties have been occupied primarily by the Menzie and Mahar families since the mid-1830's (Appendix III). While Phase I investigations revealed the presence of an MDS (Campbell) on an atlas from 1858 (Powers & Teremy, LLC 2013: 15), the records on file at the Monroe County Clerk's Office make no mention of Campbell.

VII. PHASE II SITE ANALYSIS, CAMPBELL / MENZIE HISTORIC SITE (A05515.000060)

The primary purpose of these Phase II excavations was to determine the extent of the Campbell/Menzie Historic Site (A05515.000060), and to obtain greater information on the integrity, limits, and cultural significance to evaluate its potential National Register Eligibility. Two (2) walkover reconnaissance resulted in the recovery of a large amount of cultural materials. Artifacts were concentrated primarily in the location of the 1858 MDS. Soils appeared to be relatively intact with no significant disturbance noted (Appendix II). Unfortunately, no structural remains such as foundations were located during walkover reconnaissance or shovel testing. Given the presence of the MDS and the recovery of artifacts primarily from the 19th Century, it is likely the Campbell/Menzie Historic Site is either a refuse scatter / midden associated with the MDS. While the lack of structural remains suggests Phase III investigations are not warranted for the Campbell/Menzie Historic Site (A05515.000060), Powers & Teremy, LLC believe that further archaeological work may provide additional information about the Campbell/Menzie Historic Site. As previously stated, current project plans do not involve ground disturbance in this area, and that the fields comprising this area will be leased for farming activity. Consequently, archaeological monitoring is recommended for the Campbell/Menzie Historic Site (A05515.000060) should it be impacted by development in the future.

VIII. PHASE III RECOMMENDATIONS

These Cultural Resource Investigations were performed only for the Mill Seat Landfill #2 Precontact Site (A05515.000058), Menzie Historic Site (A05515.000059), and Campbell/Menzie Historic Site (A05515.000060), associated with Proposed Action with the Town of Riga, Monroe County, New York. Given the small amount of cultural material, as well a lack of diagnostic material recovered at Mill Seat Landfill #2 Precontact Site (A05515.000058), Loci 1-3 during these excavations, Powers & Teremy, LLC do *not* recommend any further archaeological investigations. A lack of additional diagnostic cultural material and lack of quantity of additional cultural material suggests that the Mill Seat Landfill #2 Precontact Site (A05515.000058), Loci 1-3 and its immediate vicinity contain little to no further research potential. In addition, the Mill Seat Landfill #2 Precontact Site fails to fulfill the requirements necessary to consider it National Register Eligible. In the location of Locus 4 that was not subject to Phase II investigations, a suggested avoidance plan (Appendix VII) has been formulated, including a 50-ft / 15-m buffer zone surrounding the locus. Should construction plans be altered to include Locus 4, Phase II investigations should be undertaken in this area. Substantial cultural material was recovered from the Menzie Historic Site (A05515.000059) adjacent to Bovee Road, and Campbell/Menzie Historic Site (A05515.000060), however, no structural remains were unearthed. As a result, archaeological monitoring should be utilized should the Proposed Action be altered, and the areas containing Menzie Historic Site (A05515.000059) adjacent to Bovee Road, and Campbell/Menzie Historic Site (A05515.000060) are to be impacted.

IX. REFERENCES CITED

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Maps

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United State Geological Survey

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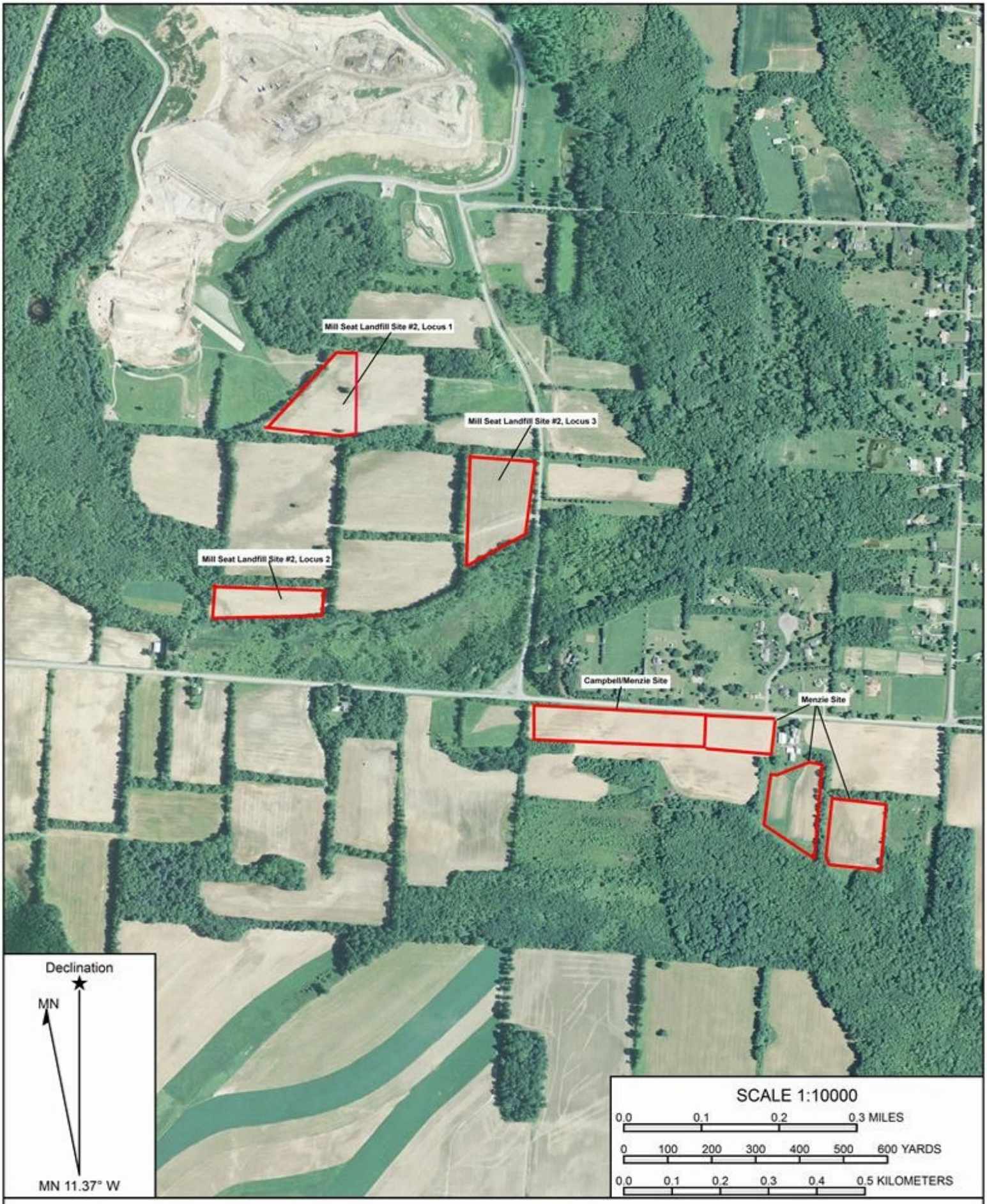
Appendix I
Project Maps



Areas subject to Phase II Investigations

Phase II
Mill Seat Landfill #2 Precontact Site (A05515.000058)
Locus 1

▲ Lithic Artifact
■ Test Unit
< Photograph Angle

0 100
FEET

0 10 20 30 40
METERS

Phase II
Mill Seat Landfill #2 Precontact Site (A05515.000058)
Locus 2

Lithic Artifact
Test Unit
Photograph Angle

0 100
FEET

0 10 20 30 40
METERS

Phase II
Mill Seat Landfill #2 Precontact
Site (A05515.000058)
Locus 3

Lithic Artifact
Test Unit
Photograph Angle

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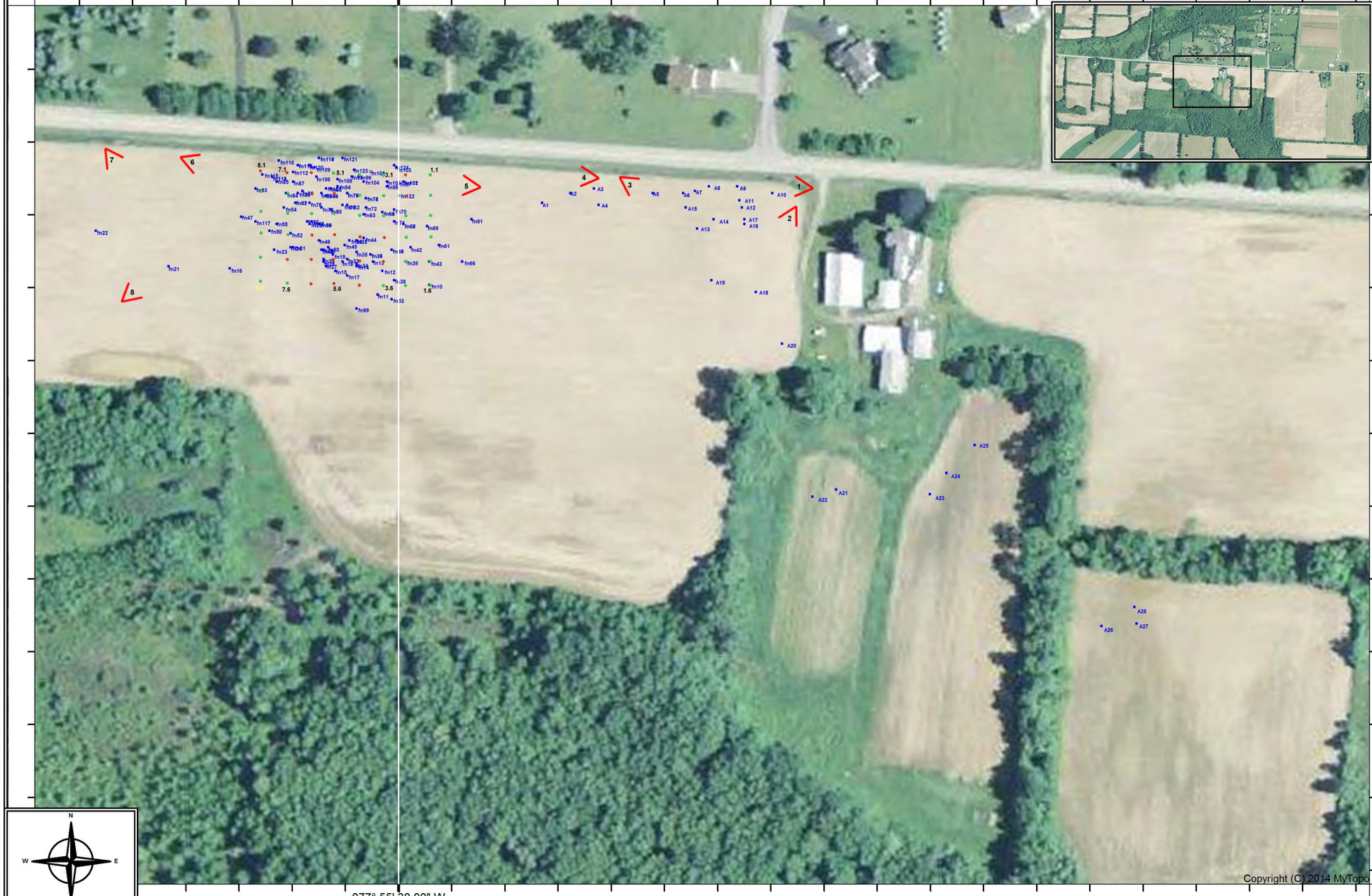
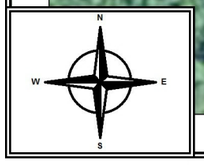
FEET

0 10 20 30 40
METERS

077° 55' 30.00" W





077° 55' 30.00" W

Phase II
Campbell/Menzie Historic Site
(A05515.000060)
Menzie Historic Site
(A05515.000059)

- Lithic Artifact
- Test Unit
- Historic Artifact
- Lithic and Historic Artifact
- Photograph Angle
- Negative Shovel Test
- Positive Shovel Test

0 100 200
FEET

0 10 20 30 40 50 60
METERS

Appendix II
Project Area Photographs

Photograph 1. Menzie Historic Site (A05515.000059) and Campbell/Menzie Historic Site (A05515.000060) from northeast corner of field, looking west.

Photograph 2. Menzie Historic Site (A05515.000059) from northeast corner of field, looking southwest.

Photograph 3. Menzie Historic Site (A05515.000059) from northeast corner of field, looking southeast.

Photograph 4. Menzie Historic Site (A05515.000059) and Campbell/Menzie Historic Site (A05515.000060), looking west.

Photograph 5. Campbell/Menzie Historic Site (A05515.000060), looking west.

Photograph 6. Campbell/Menzie Historic Site (A05515.000060) looking east.

Photograph 7. Campbell/Menzie Historic Site (A05515.000060) looking southeast.

Photograph 8. Campbell/Menzie Historic Site (A05515.000060) looking northeast.

Photograph 9. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 1, looking east.

Photograph 10. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 1, looking west.

Photograph 11. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 1, looking south.

Photograph 12. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 2, looking east.

Photograph 13. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 2, looking southeast.

Photograph 14. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 2, looking south.

Photograph 15. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 2, looking southeast.

Photograph 16. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 3, looking east.

Photograph 17. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 3, looking southeast.

Photograph 18. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 3, looking south.

Photograph 19. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 3, looking west.

Photograph 20. Mill Seat Landfill #2 Precontact Site (A05515.000058), Locus 3, looking south.

Appendix III
Deed Research

Date	Grantor	Grantee	Acreage	Sale Price	Deed and Liber Page #
2/18/1834	Duncan Menzie	Robert Menzie	Described in Lots	Not in text	35:136
1/15/1896	Jeanette Menzie	Peter J. Menzie	Described in Lots	2,094.50	???:366
3/25/1914	John Mahar	Walter J. Mahar	Described in Lots	Not in text	937:???
4/5/1937	Miller J. Menzie	John Menzie Norman Menzie Jeanette Steedman	Described in Lots; 187.6 acres total	$3,200.00	1818:103
7/30/2008	James Mahar	Daniel Mahar	Described in Lots	$1.00	10647:646
11/16/2011	Richard Mahar	Waste Management of NY	Described in Lots	$1.00	11062:586

Appendix IV
Campbell/Menzie Historic Site (A05515.000060)
Phase II Shovel Test Data

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
01	01	I	44	Dark Grayish Brown	Sandy Clay Loam		No Cultural Material	
01	01	II	58	Yellowish Brown	Sandy Loam		No Cultural Material	
01	02	I	58	Dark Grayish Brown	Sandy Clay Loam		No Cultural Material	
01	03	I	39	Brown	Sandy Loam		No Cultural Material	
01	03	II	52	Yellowish Brown	Sandy Loam		No Cultural Material	
01	04	I	35	Dark Grayish Brown	Sandy Clay Loam		No Cultural Material	
01	04	II	61	Dark Yellowish Brown	Sandy Clay Loam		No Cultural Material	
01	05	I	42	Dark Brown	Sandy Loam		No Cultural Material	
01	05	II	52	Yellowish Brown	Sandy Loam		No Cultural Material	
01	06	II	38	Dark Brown	Sandy Loam		No Cultural Material	
01	06	II	56	Yellowish Brown	Sandy Loam		No Cultural Material	
02	01	I	33	Brown	Sandy Silt		1 pc. kaolin pipe stem (19th century)	
02	01	II	47	Yellowish Brown	Sandy Silt		No Cultural Material	
02	02	I	34	Brown	Silty Sand		1 pc. nail (1840+)	
02	02	II	51	Dark Yellowish Brown	Sandy Clay Loam		No Cultural Material	
02	03	I	38	Brown	Sandy Loam		No Cultural Material	
02	03	II	51	Dark Yellowish Brown	Sandy Clay Loam		No Cultural Material	
02	04	I	36	Dark Brown	Sandy Silt		No Cultural Material	
02	04	II	51	Reddish Brown	Silty Sand		No Cultural Material	
02	05	I	32	Brown	Sandy Loam		No Cultural Material	
02	05	II	45	Reddish Brown	Silty Sand		No Cultural Material	
02	06	I	38	Brown	Sandy Loam		No Cultural Material	
02	06	II	57	Reddish Brown	Silty Sand		No Cultural Material	
03	01	I	33	Dark Grayish Brown	Sandy Loam		No Cultural Material	
03	01	II	43	Reddish Brown	Silty Sand		No Cultural Material	
03	02	I	37	Brown	Sandy Loam		No Cultural Material	
03	02	II	52	Reddish Brown	Silty Sand		No Cultural Material	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
03	03	I	34	Brown	Sandy Loam		No Cultural Material	
03	03	II	50	Reddish Brown	Silty Sand		No Cultural Material	
03	04	I	31	Brown	Sandy Loam		1 pc. flow black whiteware (1840-1860), 1 pc. whiteware (1860+), 1 pc. aqua bottle glass, 1 pc. kaolin pipe stem (19th century)	
03	04	II	58	Dark Yellowish Brown	Sandy Clay Loam		No Cultural Material	
03	05	I	32	Brown	Silty Sand		1 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 2 pc. red brick	
03	05	II	45	Dark Yellowish Brown	Sandy Loam		No Cultural Material	
03	06	I	26	Brown	Sandy Silt		No Cultural Material	
03	06	II	41	Yellowish Brown	Sandy Silt		No Cultural Material	
04	01	I	34	Brown	Sandy Loam		No Cultural Material	
04	01	II	47	Reddish Brown	Sandy Clay Loam		No Cultural Material	
04	02	I	58	Dark Grayish Brown	Sandy Clay Loam		MORTAR AND BRICKS	
04	03	I	30	Dark Grayish Brown	Sandy Clay Loam		No Cultural Material	
04	03	II	45	Dark Yellowish Brown	Sandy Loam		No Cultural Material	
04	04	I	36	Dark Grayish Brown	Sandy Loam		2 pc. whiteware (1860+), 1 pc. nail (1840+)	
04	04	II	55	Reddish Brown	Sandy Loam		No Cultural Material	
04	05	I	38	Dark Brown	Sandy Loam		1 pc. red transferprint (1829-1850), 1 pc. Albany slipware (1835-1850), 1 pc. brown bottle glass, 1 pc. clear bottle glass, 3 pc. nail (1840+)	
04	05	II	56	Reddish Brown	Sandy Loam		No Cultural Material	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
04	06	I	28	Dark Brown	Sandy Clay Loam		1 pc. whiteware (1860+), 1 pc. red brick, 1 pc. yellow-glazed brick	
04	06	II	53	Dark Yellowish Brown	Sandy Loam		No Cultural Material	
05	01	I	34	Brown	Sandy Loam		No Cultural Material	
05	01	II	52	Dark Yellowish Brown	Sandy Silt		No Cultural Material	
05	02	I	43	Brown	Sandy Loam		1 pc. clear bottle glass	
05	02	II	53	Reddish Brown	Sandy Loam		No Cultural Material	
05	03	I	31	Brown	Sandy Silt		No Cultural Material	
05	03	II	44	Reddish Brown	Sandy Silt		No Cultural Material	
05	04	I	28	Brown	Sandy Loam		1 pc. yellowware (1830+), 1 pc. whiteware (1860+)	
05	04	II	41	Reddish Brown	Sandy Loam		No Cultural Material	
05	05	I	35	Brown	Sandy Loam		1 pc. clear window glass	
05	05	II	49	Reddish Brown	Sandy Silt		No Cultural Material	
05	06	I	32	Brown	Sandy Loam		1 pc. Albany slipware (1840-1900), 2 pc. red brick, 1 pc. aqua window glass	
05	06	II	43	Reddish Brown	Sandy Loam		No Cultural Material	
06	01	I	28	Brown	Sandy Loam		1 pc. clear bottle glass, 1 pc. clear window glass, 1 pc. dime (1994)	
06	01	II	41	Dark Yellowish Brown	Sandy Loam		No Cultural Material	
06	02	I	31	Dark Brown	Sandy Loam		1 pc. whiteware (1860+)	
06	02	II	47	Reddish Brown	Sandy Loam		No Cultural Material	
06	03	I	31	Brown	Sandy Loam		No Cultural Material	
06	03	II	46	Reddish Brown	Silty Sand		No Cultural Material	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
06	04	I	25	Brown	Sandy Loam		2 pc. ironstone (1870+), 1 pc. red transferprint (1829-1850), 1 pc. blue-painted whiteware (1840+), 1 pc. dark green bottle glass, 1 pc. red brick	
06	04	II	39	Dark Yellowish Brown	Sandy Loam		No Cultural Material	
06	05	I	28	Brown	Sandy Loam		2 pc. ironstone (1870+), 4 pc. whiteware (1860+), 1 pc. blue transferprint (1840-1860), 1 pc. white glass, 1 pc. clear window glass	
06	05	II	42	Reddish Brown	Sandy Loam		No Cultural Material	
06	06	I	30	Brown	Sandy Loam		1 pc. ironstone (1870+), 1 pc. black transferprint (1830-1850), 2 pc. Albany slipware (1840-1900), 1 pc. mammal long bone	
06	06	II	42	Reddish Brown	Sandy Loam		No Cultural Material	
07	01	I	58	Dark Brown	Sandy Clay Loam		1 pc. nail	
07	02	I	28	Dark Brown	Sandy Loam		No Cultural Material	
07	02	II	41	Reddish Brown	Sandy Clay Loam		No Cultural Material	
07	03	I	43	Dark Grayish Brown	Sandy Clay Loam		No Cultural Material	
07	03	II	55	Reddish Brown	Sandy Clay Loam		No Cultural Material	
07	04	I	38	Dark Brown	Sandy Loam		No Cultural Material	
07	04	II	51	Reddish Brown	Sandy Loam		No Cultural Material	
07	05	I	39	Dark Brown	Sandy Loam		1 pc. nail	
07	05	II	50	Reddish Brown	Sandy Clay Loam		No Cultural Material	

Trans	Shovel Test	Level	Depth Below Surface (CM)	Soil Color	Soil Matrix (Primary)	Soil Matrix (Secondary)	Artifacts Recovered	Comments
07	06	I	33	Dark Grayish Brown	Sandy Clay Loam		No Cultural Material	
07	06	II	52	Reddish Brown	Sandy Clay Loam		No Cultural Material	
08	01	I	34	Brown	Sandy Loam		1 pc. nail	
08	01	II	47	Reddish Brown	Silt Loam		No Cultural Material	
08	02	I	52	Grayish Brown	Sandy Loam		No Cultural Material	
08	03	I	38	Brown	Sandy Loam		No Cultural Material	
08	03	II	50	Reddish Brown	Sandy Clay Loam		No Cultural Material	
08	04	I	39	Dark Brown	Sandy Loam		No Cultural Material	
08	04	II	48	Yellowish Brown	Sandy Loam		No Cultural Material	
08	05	I	33	Brown	Sandy Loam		No Cultural Material	
08	05	II	45	Reddish Brown	Sandy Loam		No Cultural Material	
08	06	I	34	Dark Brown	Sandy Loam		No Cultural Material	
08	06	II	56	Yellowish Brown	Sandy Loam		No Cultural Material	

Appendix V
SHPO Phase I Correspondence

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

New York State Office of Parks, Recreation and Historic Preservation

Division for Historic Preservation
Peebles Island, PO Box 189, Waterford, New York 12188-0189
518-237-8643
www.nysparks.com

August 21, 2014

Mr. Joseph Rowley
Department of the Army
Buffalo District, Corps of Engineers
1776 Niagara Street
Buffalo, New York 14207-3199
(via email only)

Re: CORPS PERMITS, DEC
Mill Seat Landfill Expansion & Wetland Mitigation
Brewer Road and Bovee Road
Town of Riga, Monroe County
14PR03426

Dear Mr. Rowley:

The State Historic Preservation Office (SHPO) has reviewed the *Phase IA/IB Cultural Resources Investigation Report*, prepared by Powers & Teremy and dated June 20, 2014, in accordance with Section 106 of the National Historic Preservation Act of 1966.

Based upon this review, the SHPO recommends avoidance or Phase II Site Evaluation for the following archaeological sites: Mill Seat Landfill #2 Precontact Site (A05515.000058); Menzie Historic Site (A05515.000059); and the Campbell/Menzie Historic Site (A05515.000060). The SHPO does not recommend that the Menzie/Maher Historic Site (A05515.000061) or the Jones Historic Site (A05515.000062) are National Register eligible, and we have no further concerns with these two sites. The SHPO has no building/structure concerns.

Given the large size of the Area of Potential Effects (APE) and the identification of a Native American archaeological site, the SHPO recommends that tribal consultation be initiated with the Seneca Nation of Indians and the Tonawanda Seneca Nation.

The SHPO appreciates the opportunity to comment on this information and looks forward to reviewing either an avoidance plan or a Phase II site evaluation scope for the Mill Seat Landfill #2 Site, the Menzie Historic Site and the Campbell/Menzie Historic Site. Please telephone me at ext. 3280 with any questions you may have.

Sincerely,

Nancy Herter

Nancy Herter
Historic Preservation Program Analyst, Archaeology

cc. Scott Sheeley, DEC *(via email only)*
Luann Meyer, Barton & Loguidice *(via email only)*
Paul Powers, Powers & Teremy *(via email only)*

Appendix VI
Site Forms
(NYSOPRHP COPY ONLY)

Appendix VII
Locus 4 Avoidance Plan

- A 50-ft / 15-m buffer zone should be established around the recommended sites or Loci. The buffer zone will utilize temporary fencing or other means approved by the NYSOPRHP to clearly deter construction activity in the area during development .
- All construction plans will reflect all construction activities, including grading and filling activities.
- All construction plans will mark sites, loci, and buffer zones as "Environmentally Sensitive - Do Not Impact". Location of the temporary fencing will be clearly marked on the construction plans as well. A note in the design plan will be on appropriate maps explaining that topsoil will not be excavated in these areas and trucks will avoid the area.
- All construction plans will include the NYSOPRHP Human Remains Discovery Protocol as well as contact information for the Archaeological Field Services Bureau in case human remains are discovered anywhere during construction. Should human remains be discovered, the NYSOPRHP will be contacted immediately.
- A preconstruction meeting with the construction contractor is required. This meeting should serve to notify those undertaking construction activities of the requirements necessary to protect and avoid designated sites areas.
- Unauthorized activities within site boundaries will require notification of the New York State Office of Parks, Recreation, and Historic Preservation at 518-237-8643, ext 3820.
- An archaeology covenant will be transferred with each property containing the avoided / protected Site.

Powers & Teremy, LLC

November 3, 2014

Ms. Luann Meyer
Barton & Loguidice, Inc
11 Centre Park, Suite 203
Rochester, NY 14614

RE: Phase II Cultural Resource Investigations For the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York - End of Fieldwork Summary

Dear Ms. Meyer:

I am writing to summarize Phase II Archaeological Investigations completed for the Mill Seat Landfill Proposed Action. Phase II investigations were completed as requested in a letter from the NYSOPRHP in August of 2014 (14PR03426).

Phase II walkover investigations was completed for the Mill Seat Landfill #2 Precontact Site (A05515.000058), Loci 1-3. Following walkover reconnaissance, test units and shovel tests were placed within Loci to determine site integrity and National Register eligibility. Very few artifacts were recovered during walkover reconnaissance and subsequent test unit and shovel test excavation. As a result, Powers & Teremy, LLC will be recommending no further archaeological work for the Mill Seat Landfill #2 Precontact Site, Loci 1-3.

In addition to the completion of Phase II field investigations for Mill Seat Landfill #2 Precontact Site, Loci 1-3, Powers & Teremy, LLC is working on an avoidance plan for Mill Seat Landfill #2 Precontact Site, Locus 4. The avoidance plan is being developed utilizing standards proffered by the NYSOPRHP, as presented in the report for Phase I Cultural Resource Investigations for the Mill Seat Landfill Proposed Action. The avoidance plan will be submitted to the NYSOPRHP in conjunction with the final Phase II report.

As requested by the NYSOPRHP, Powers & Teremy,LLC completed Phase II investigations Menzie Historic Site (A05515.000059) and the Campbell/Menzie Historic Site (A05515.000060). Walkover reconnaissance was completed for the areas of the Menzie Historic Site that will prospectively be impacted by the proposed project. Few additional artifacts were recovered from the Menzie Historic Site, consequently, Powers & Teremy, LLC will be recommending no additional work. The

area comprising the Campbell/Menzie Historic Site was subjected to walkover reconnaissance, as well as shovel testing. A significant amount of artifacts were recovered, though no structural remains such as foundations were located. As a result, Powers & Teremy, LLC will be recommending archaeological monitoring for the Campbell/Menzie Historic Site during any construction activities that may occur within site boundaries.

If you have any questions or concerns, feel free to contact me at any time. We are working to completed the final Phase II report and submit to the NYSOPRHP as soon as possible.

All the best,

Paul Powers

Cell Phone: 585-750-5056
Email: pauldp@powersteremy.com

Phase II Cultural Resources Investigations
Tribal Consultation

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

New York State Office of Parks, Recreation and Historic Preservation

Division for Historic Preservation
Peebles Island, PO Box 189, Waterford, New York 12188-0189
518-237-8643
www.nysparks.com

August 21, 2014

Mr. Joseph Rowley
Department of the Army
Buffalo District, Corps of Engineers
1776 Niagara Street
Buffalo, New York 14207-3199
(via email only)

Re: CORPS PERMITS, DEC
Mill Seat Landfill Expansion & Wetland Mitigation
Brewer Road and Bovee Road
Town of Riga, Monroe County
14PR03426

Dear Mr. Rowley:

The State Historic Preservation Office (SHPO) has reviewed the *Phase IA/IB Cultural Resources Investigation Report*, prepared by Powers & Teremy and dated June 20, 2014, in accordance with Section 106 of the National Historic Preservation Act of 1966.

Based upon this review, the SHPO recommends avoidance or Phase II Site Evaluation for the following archaeological sites: Mill Seat Landfill #2 Precontact Site (A05515.000058); Menzie Historic Site (A05515.000059); and the Campbell/Menzie Historic Site (A05515.000060). The SHPO does not recommend that the Menzie/Maher Historic Site (A05515.000061) or the Jones Historic Site (A05515.000062) are National Register eligible, and we have no further concerns with these two sites. The SHPO has no building/structure concerns.

Given the large size of the Area of Potential Effects (APE) and the identification of a Native American archaeological site, the SHPO recommends that tribal consultation be initiated with the Seneca Nation of Indians and the Tonawanda Seneca Nation.

The SHPO appreciates the opportunity to comment on this information and looks forward to reviewing either an avoidance plan or a Phase II site evaluation scope for the Mill Seat Landfill #2 Site, the Menzie Historic Site and the Campbell/Menzie Historic Site. Please telephone me at ext. 3280 with any questions you may have.

Sincerely,

Nancy Herter

Nancy Herter
Historic Preservation Program Analyst, Archaeology

cc. Scott Sheeley, DEC *(via email only)*
Luann Meyer, Barton & Loguidice *(via email only)*
Paul Powers, Powers & Teremy *(via email only)*

Powers & Teremy, LLC

September 25th, 2014

Chief Roger Hill
Tonawanda Band of Seneca Indians
7027 Meadville Road
Basom, NY 14013

RE: Phase II Cultural Resource Investigations For the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York

Dear Chief Hill:

I am writing in regards to Monroe County's upcoming Phase II Cultural Resource Investigations for the proposed Mill Seat Expansion, Town of Riga, Monroe County, New York. A Phase I Cultural Resource was submitted to the NYSOPRHP in June of 2014. Based on the results of the Phase I, Powers & Teremy, LLC recommended Phase II investigations. In a review letter dated 8/21/14 (enclosed), Dr. Nancy Herter at the NYSOPRHP stated, "Given the large size of the Area of Potential Effect (APE) and the identification of a Native American archaeological site, the SHPO recommends that tribal consultation be initiated with the Seneca Nation of Indians and the Tonawanda Seneca Nation."

We wish to ensure that the Seneca Nation of Indians and the Tonawanda Seneca Nation are properly consulted. We will gladly provide a copy of the Phase I report for your review should you desire. If you would like to have a monitor on-site while we are conducting Phase II work, we will provide you with our field schedule. Should you not wish to have a monitor, we could provide regular updates regarding progress, and immediately inform you if anything is found. Monroe County has requested that you advise to the level of involvement you wish to have on the proposed project on or before October 6, 2014. Currently, we are tentatively scheduled to start fieldwork the second week of October, and will keep you informed as our field schedule becomes more finalized.

If you have any questions or concerns, feel free to contact me at any time. We look forward to working with you on this project.

All the best,

Paul Powers

Cell Phone: 585-750-5056
Email: pauldp@powersteremy.com

Cc: Dr. Nancy Herter, NYSOPRHP *Via Email Only*
Ms. Luann Meyers, Barton & Loguidice, Inc. *Via Email Only*

Powers & Teremy, LLC

September 25th, 2014

Ms. Melissa Bach
Seneca Nation of Indians
Tribal Historic Preservation Office
90 Ohi:Yo´ Way
Salamanca, NY 14779

RE: Phase II Cultural Resource Investigations For the Mill Seat Landfill Proposed Action, Town of Riga, Monroe County, New York

Dear Ms. Bach:

I am writing in regards to Monroe County's upcoming Phase II Cultural Resource Investigations for the proposed Mill Seat Expansion, Town of Riga, Monroe County, New York. A Phase I Cultural Resource was submitted to the NYSOPRHP in June of 2014. Based on the results of the Phase I, Powers & Teremy, LLC recommended Phase II investigations. In a review letter dated 8/21/14 (enclosed), Dr. Nancy Herter at the NYSOPRHP stated, "Given the large size of the Area of Potential Effect (APE) and the identification of a Native American archaeological site, the SHPO recommends that tribal consultation be initiated with the Seneca Nation of Indians and the Tonawanda Seneca Nation."

We wish to ensure that the Seneca Nation of Indians and the Tonawanda Seneca Nation are properly consulted. We will gladly provide a copy of the Phase I report for your review should you desire. If you would like to have a monitor on-site while we are conducting Phase II work, we will provide you with our field schedule. Should you not wish to have a monitor, we could provide regular updates regarding progress, and immediately inform you if anything is found. Monroe County has requested that you advise to the level of involvement you wish to have on the proposed project on or before October 6, 2014. Currently, we are tentatively scheduled to start fieldwork the second week of October, and will keep you informed as our field schedule becomes more finalized.

If you have any questions or concerns, feel free to contact me at any time. We look forward to working with you on this project.

All the best,

Paul Powers

Cell Phone: 585-750-5056
Email: pauldp@powersteremy.com

Cc: Dr. Nancy Herter, NYSOPRHP *Via Email Only*
Ms. Luann Meyers, Barton & Loguidice, Inc. *Via Email Only*

March 30, 2010

Disclaimer: This map was prepared by the New York State Parks, Recreation and Historic Preservation National Register Listing Internet Application. The information was compiled using the most current data available. It is deemed accurate, but is not guaranteed.

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

New York State Office of Parks, Recreation and Historic Preservation

Division for Historic Preservation
Peebles Island, PO Box 189, Waterford, New York 12188-0189
518-237-8643
www.nysparks.com

February 24, 2015

Mrs. Johanna Duffy
Sr. Project Environmental Scientist
Barton & Loguidice, DPC
290 Elwood Davis Road
Box 3107
Syracuse, NY 13220

Re: USACE
Proposed Stream Mitigation Plan - Mill Seat Landfill Expansion
Town of Riga, Monroe County, Bergen, NY
15PR00475
2006-01224 (includes proposed expansion and mitigation elements)

Dear Mrs. Duffy:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based upon this review, the New York SHPO has determined that no historic properties will be affected by this undertaking.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont

Ruth L. Pierpont
Deputy Commissioner for Historic Preservation