Appendix C.2

Archeological Studies

PHASE 1A LITERATURE REVIEW AND ARCHAEOLOGICAL SENSITIVITY

PROPOSED HILLTOP VILLAGE

ALL ANGELS ROAD

TOWN OF WAPPINGER, DUTCHESS CO., NY

PREPARED FOR:

POVALL ENGINEERING, PLLC

25 CORPORATE PARK DRIVE,

SUITE C

HOPEWELL JUNCTION, NY 12533

November 10th, 2010

PREPARED BY: JOSEPH E. DIAMOND, Ph.D.

290 OLD ROUTE 209,

HURLEY, N.Y. 12443

845-338-0091

New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island Resource Center, PO Box 189, Waterford, NY 12188-0189 (Mail)
Delaware Avenue, Cohoes 12047 (Delivery)
(518) 237-8343

PROJECT REVIEW COVER FORM

Rev. 10-04

Please complete this form and attach it to the top of any and all information submitted to this office for review. Accurate and complete forms will assist this office in the timely processing and response to your request.

1. This information relates to a previously submitted project.

PROJECT NUMBER ____ PR ____

COUNTY Dutchess

☐ If you have checked this box and noted the previous Project Review (PR) number assigned by this office you do not need to continue unless any of the required information below has changed.

2. This is a new project. ☒ If you have checked this box you will need to complete ALL of the following information.

Project Name Hilltop Village

Location All Angels Road
You MUST include street number, street name and/or County, State or Interstate route number if applicable

City/Town/Village Town of Wappinger
List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

County Dutchess
If your undertaking* covers multiple communities/counties please attach a list defining all municipalities/counties included.

TYPE OF REVIEW REQUIRED/REQUESTED (Please answer both questions)

A. Does this action involve a permit approval or funding, now or ultimately from any other governmental agency?

☐ No ☒ Yes

If Yes, list agency name(s) and permit(s)/approval(s)

Agency involved	Type of permit/approval	State	Federal
Planning Board	SEQRA	☒	☐
ACOE	Wetlands	☐	☒
NYSDEC	Wetlands,	☒	☐

B. Have you consulted the NYSHPO web site at http://www.nysparks.state.ny.us/shpo to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes: ☒ Yes ☐ No

Was the project site wholly or partially included within an identified archeologically sensitive area? ☒ Yes ☐ No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places? ☐ Yes ☒ No

CONTACT PERSON FOR PROJECT

Name Bill Povall Title Engineer

Firm/Agency Povall Engineering, PLLC

Address 25 Corporate Park Dr. Suite C City Hopewell Junct. STATE NY Zip 12533

Phone (845) 897-8205 Fax (845) 897-0042 E-Mail bpovall@comcast.net

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1. OPRHP Historic Structure Forms (4).

CULTURAL RESOURCE INVESTIGATION

Management Summary

SHPO: Project Review #:

Involved State and Federal Agencies: **SEQRA, ACOE, NYSDEC**

Phase of Survey: **Phase 1A**

Location Information:
Survey Area (Metric and English): **149.35 acre (60.44 hectare)**
Length: **SW/NE axis 4450 ft. (1356 m)**
Width: **SE/NW axis 2400 ft. (732 m)**

USGS 7.5 Minute Quadrangle Map: **Wappingers Falls and Hopewell Junction Quadrangles**
Archaeological Survey Overview: **Phase 1A literature search located two 19th century historic sites, and two pre-contact sites within a one mile radius. There were no sites listed within the project area.**

Results of Archaeological Survey
Number & name of prehistoric sites identified: **See Table 1 for sites within one mile. No sites within the project area.**

Number & name of historic sites identified: **None.**
Number & name of sites recommended for Avoidance: **N/A**
Results of Architectural Survey
Number of buildings/structures/cemeteries within project area: **J.J. Teller/J. Kent domocile may be in or along edge of project area.**

Number of buildings/structures adjacent to project area: **See Appendix 1.**
Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: **None**
Number of identified eligible buildings/structures/cemeteries/districts: **None**

Report Author: **Joseph E. Diamond, Ph.D.**

Date of Report: **10/10/2010**

PHASE 1A ARCHAEOLOGICAL SURVEY

Introduction

This cultural resource survey was conducted to evaluate the proposed Hilltop Village Subdivision in the Town of Wappinger, Dutchess County, NY (Maps 1 and 2). The project area is a 149.35 acre (60.44 hectare) parcel located southwest of All Angels Road. The project area is an irregularly-shaped parcel with two main projections. One is a rectangular area composed of wetland that connects to All Angels Road, the other is a proposed link to an existing street named Rich Street to the south (Map 3). The proposed project is a 171 lot subdivision with 70.65 acres to be developed, and 74.65 acres to remain undeveloped, most of which is wetland and wetland buffer. The wetlands consist of two ACOE wetlands (10.56 acres with 16.23 ACOE buffer), a Town wetland and buffer (size as yet to be determined), as well as a large NYSDEC wetland (24.47 acres with 10.30 acre buffer). Access is to be provided by links to three existing roads along the outside of the subdivision. The APE is defined on Map 3 (enclosure). The project area is currently a combination of fields, partially grown in fields and woodland. The author was contacted by Mr. William Povall of Povall Engineering in June of 2010. A literature survey was conducted at OPRHP by Croshier Archaeological Research on 7/1/2010.

Environmental/Physical Setting

The project area consists of 149.35 acre (60.44 hectare) of which about 70.65 acres (31.58 ha) will be disturbed by construction activities. A walkover of the project area found no indication of any rock face or outcrop large enough to permit use as a prehistoric rockshelter or windbreak. There are no locations within the project area where bedrock outcrops break the surface.

The flora in the project area is composed of maple, hickory, shagbark hickory, ash, white and red oak, elm, dogwood, beech, locust, cherry, tulip tree, sassafras, white pine, cedar, elm, and sumac. Ground species include ferns, skunk cabbage, wild rose, poison ivy, mountain ivy, and various grasses. There were no photographs taken within the project area since during the site visit the project area was very overgrown with a combination of relatively new growth, shrubbery and weeds. Fore the most part the project is very dense and is not photogenic.

The soils in the project area (Map 4) consist of Troy Gravelly loam, sloping phase (8-15% slopes)(Te), Albia gravelly silt loam, sloping phase, (8-15% slopes) (Ab), Boynton gravelly silt loam (0-8 %slopes)(Bd), Cossayuna gravelly loam, undulating and rolling phases (3-15% slopes)(Cx), Hoosic gravelly loam, nearly level and undulating phases (0-8% slopes) (Hg), Mansfield silt loam (0-3% slopes)(Md), Muck, acid, shallow phase (0-2% slopes)(Mh), and Livingston silty clay loam 0-3% slopes) (La) (Dutchess County Soil Survey 1955: Sheets 17 and 18).

The bedrock geology consists of three formations that intersect in the project area. These are the Middle Ordovician Austin Glen Formation of greywacke and shale, the Walloomsic Formation of phyllite, schist and meta-graywacke, and the Mount Merino and Indian River Formation of slate, argillite and chert (Fisher *et al.* 1970: Lower Hudson Sheet).

Background Research

PREHISTORIC ARCHAEOLOGICAL SITES

A search of the site files at the Office of Parks, Recreation and Historic Preservation (including the New York State Museum's prehistoric site files) on 7/1/2010 by Croshier Archaeological Research located 2 Pre-Contact sites within a one mile radius of the project area (see Table 1). Of these, none have information on archaeological phase/culture or site type. None are located within the project area.

HISTORIC ARCHAEOLOGICAL SITES

The site file search located two historic archaeological sites within a one mile radius of the project area. These are The Test 15 Site (A027-19-0025), and the Pugsly site (A027-19-0032). There were no National

Register or National Register Eligible structures within a one-mile radius. A total of six additional archaeological surveys (Cohen 1996, 1997, Diamond 2008, Hartgen 1991, 1993, 2000) were conducted within a one mile radius.

An examination of five historic maps of the area was informative. Map 5, the 1850 Sidney Map, shows no structures within the project area. It does show "J. Hoyt" just north of where present day Lake Oneida is located. Two domiciles along the western side of present day All Angels Road that are near the entrance of the proposed subdivision include the houses of "J.W. Rogers" and "M. Ackerman". These are included here on OPRHP Structure Forms in Appendix 1. A search for the "C.J Haight" house shown south of the proposed development on the 1850 map was unsuccessful. It has probably been demolished. On other structure, to the rear of Rogers on the 1867 map is labeled "J.J. Teller". It occurs again on the 1876 map as "J. Kent". This domocile was not found during the walkover and may or may not be in the project area. On the eastern side of All Angels Road are two existing houses that were photographed and also included in Appendix 1. These are the houses of "E. Stofield" and just to its north, the house of C. Marvin". The 1850 map also shows a slightly drawn road from just below M. Ackerman to B.A. Sleight. This is the precursor to present day Pye Lane.

Map 6, the 1858 Gillette shows no structures within the project area. It does show an improved road (Pye Lane) across from "M. S. Ackerman". Map 7, the 1867 Beers Map, shows one interesting item-a mine for "Iron Ore" across from the entrance to present day Pye Lane, and downhill from the "J.P. Flagler "house (formerly Ackerman).

Map 8 (1876 Grey's Atlas) shows the same "Iron Ore" mine in approximately the same location, with the addition of the domocile of "J. Kent" near the northern edge of the proposed project area. The mine for Iron Ore is located in the housing development south of the proposed Hilltop Village.

Based on a walkover, it appears that the project area is reforested farm fields. The structures immediately surrounding the project area are primarily new ranch houses and split levels. These were not placed on OPRHP Historic Structure Forms when adjacent structures were filled out for the project area.

Sensitivity Assessment

PREHISTORIC

The literature search at OPRHP located two known prehistoric site within a one mile radius of the project area. Of the two, there is no information on prehistoric archaeological culture or phase, or even site type for either of them. The closest of the two sites is c.1000 feet away, and the other is about 4500 feet. Because of the presence of two pre-contact sites within a one mile radius, and the fact that there are wetlands surrounding the project area, the project area should be considered high to moderately sensitive to the presence of prehistoric archaeological sites.

HISTORIC

Based on an examination of four historic maps of the project area, as well as a thorough walkover, the possibility of encountering historic archaeological resources in the project area is considered relatively low, except for the possible identification of the Teller/Kent structure mentioned above. There are no 19th century map documented structures (MDS) within the project area, and none were found during an extensive walkover.

Recommendations

The proposed project area's proximity to two known prehistoric sites would suggest that prehistoric archaeological materials and/or sites might be found in the project area. Due to the project area's potentially sensitive location near wetlands, it is recommended that a Phase 1B Archaeological Field Investigation be conducted. In this case, hand-excavated, hand-screened shovel tests should be placed at 50 foot (15.2 m) intervals (or less) within the Area of Proposed Effect (APE). Slopes in excess of 12-15% need not be tested. All excavated soils should be screened through 1/4 inch hardware mesh and examined for prehistoric and historic artifacts. A Munsell soil color chart should be used to determine soil colors.

REFERENCES

Beers, F.W.
1867 *Atlas of New York and Vicinity*. Published by Beers, Ellis and Soule, 95 Maiden lane. New York

Brumbach, Hetty Jo
1981 Stage 1B Archaeological and historical Survey: Proposed Interceptor System for the Tri-Municipal Sewer Improvement Area, Dutchess County, NY C-36-948-01-2. (June 1981)

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Fisher, DonaldW., Yngvar W. Isachson, and Lawrence Rickard
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1876 *New Illustrated Atlas of Duchess County*, New York. Reading Pa.

Hartgen Archaeological Associates (HAA)
1991 Report For Archaeological Potential of Field Reconnaissance, SEQR Parts 1 and 3. Mahopac-Poughkeepsie to Roseton Gas Transmission, Towns of Wappinger and East Fishkill, Dutchess County, NY (March 1991)

1993 Report of Archaeological Field Reconnaissance, SEQR Parts 1B and 3. Evergreen Estates, Old Myers Corners Road, Town of Wappinger, Dutchess County, NY (January 1993)

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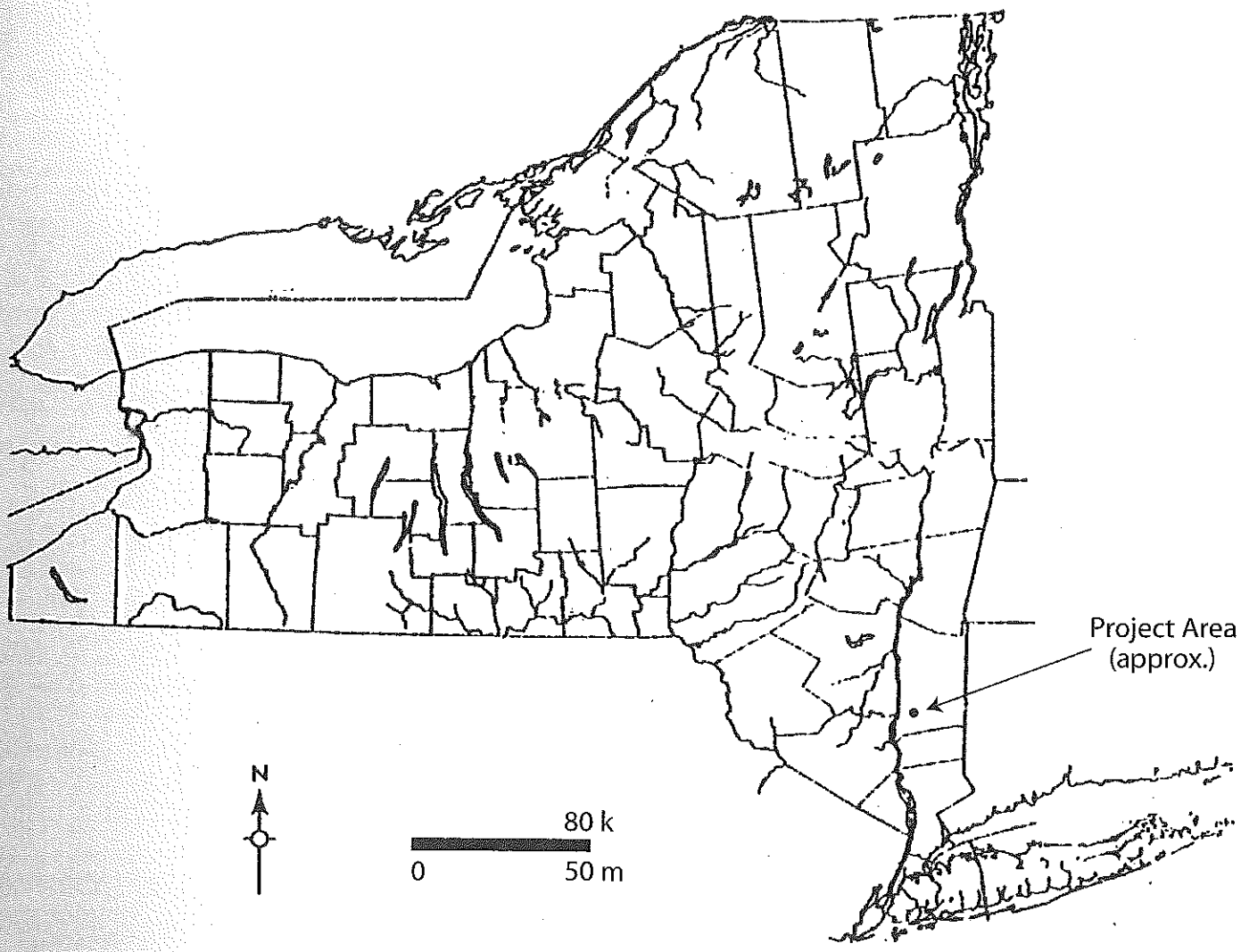
1850 *Map of Dutchess County, New York* (from original surveys).

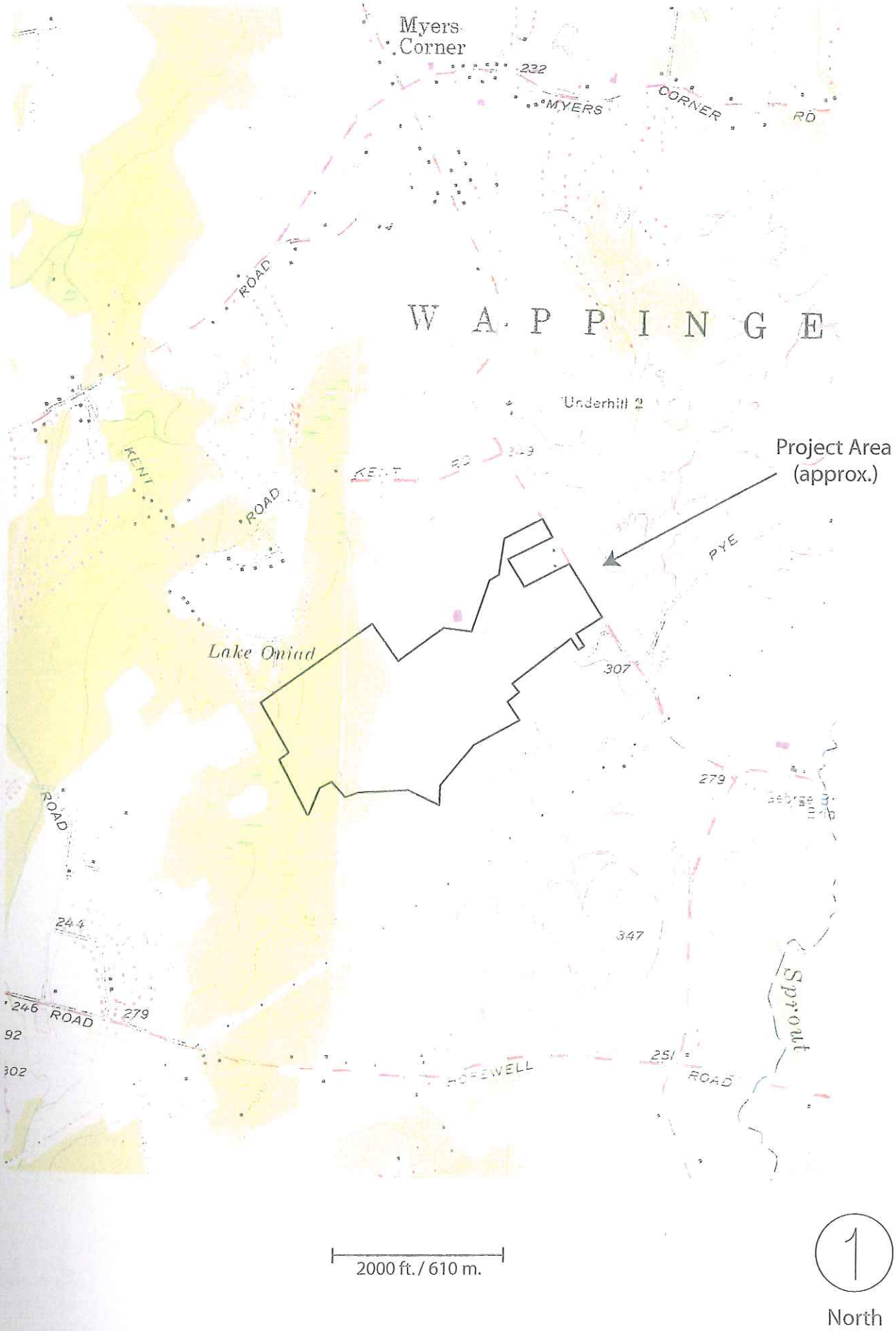
Soil Survey of Dutchess County, N.Y.
1955 US Department of Agriculture in Cooperation with Cornell University Agricultural Experiment Station.

New York Archaeological Council
1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State*. Adopted by the Office of Parks, Recreation, and Historic Preservation.

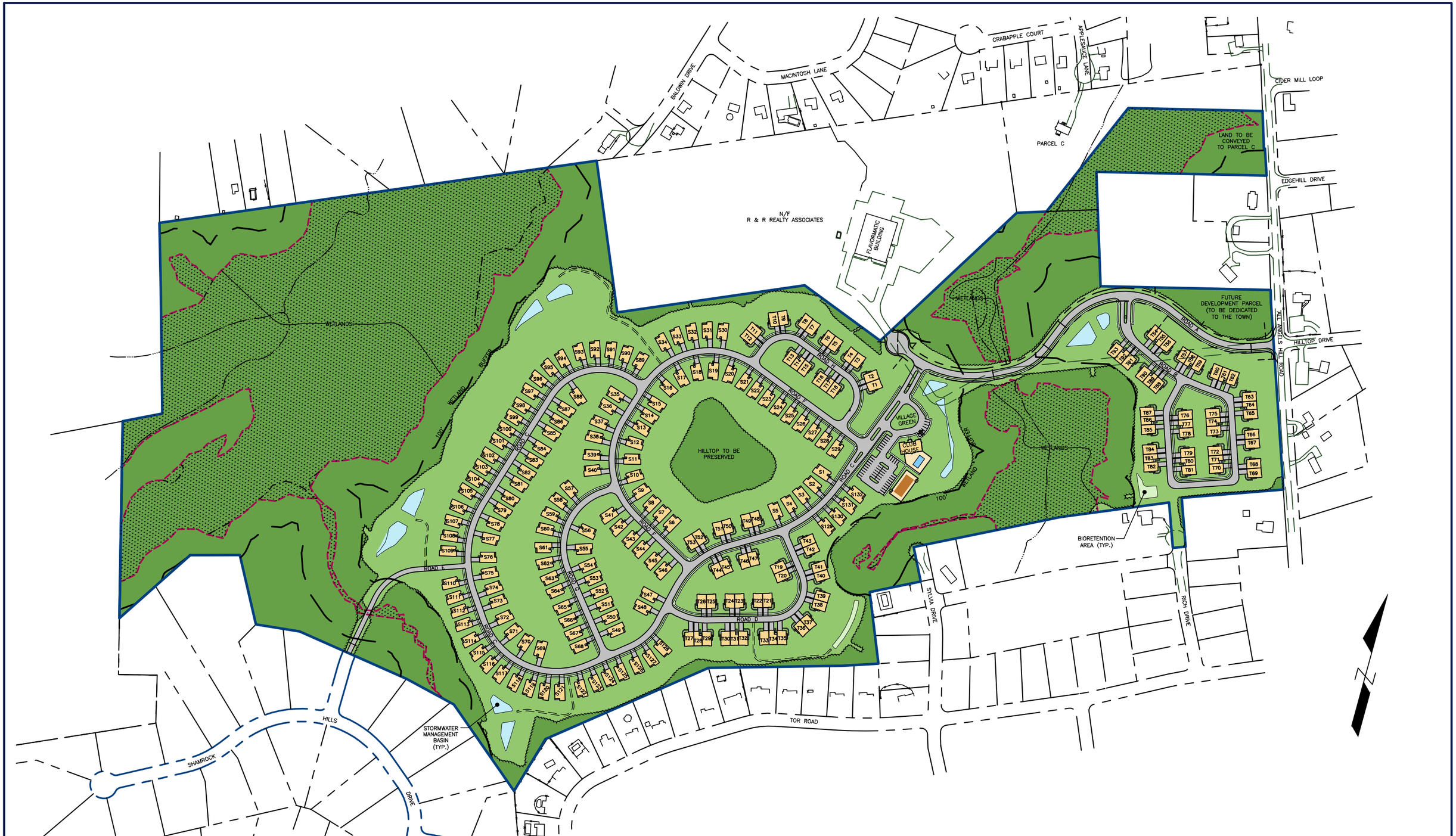
MAPS



Map 1. New York State



Map 2. Hilltop Village. Wappingers Falls and Hopewell Junction Quadrangles



REVISIONS	
DATE:	DESCRIPTION:

POVALL ENGINEERING, PLLC

WILLIAM H. POVALL III, P.E.
N.Y.S.P.E. LICENSE #075020

25 CORPORATE PARK DR., SUITE C
HOPEWELL JUNCTION, NY 12533

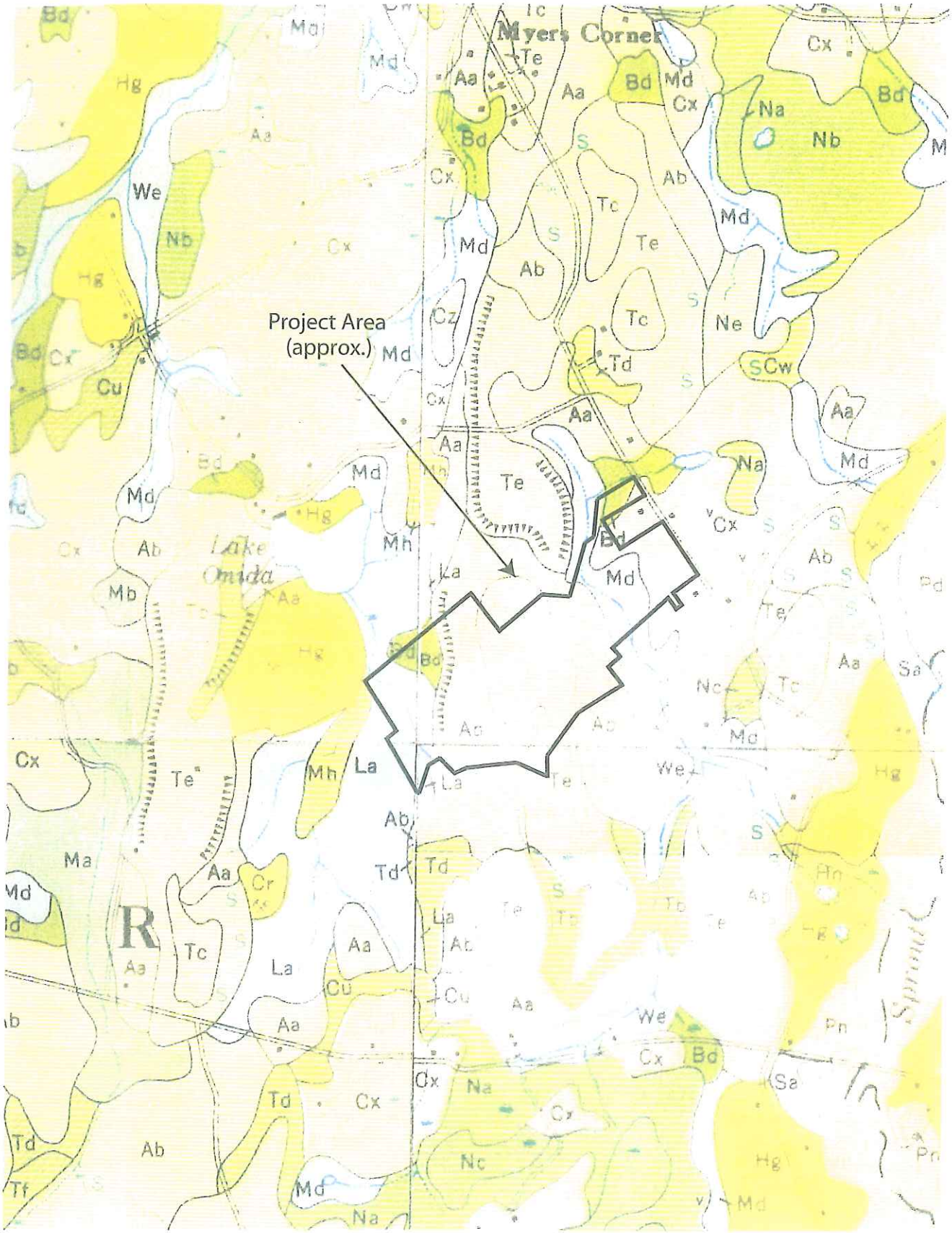
TEL.: (845) 897-8205
FAX: (845) 897-0042

HILLTOP VILLAGE AT WAPPINGER

PHASE 1A ARCHAEOLOGICAL MAP 3

TOWN OF WAPPINGER — DUTCHESS COUNTY, NEW YORK

JOB #: 0552
DATE: 09/2011
SCALE: 1"=350'
MAP 3

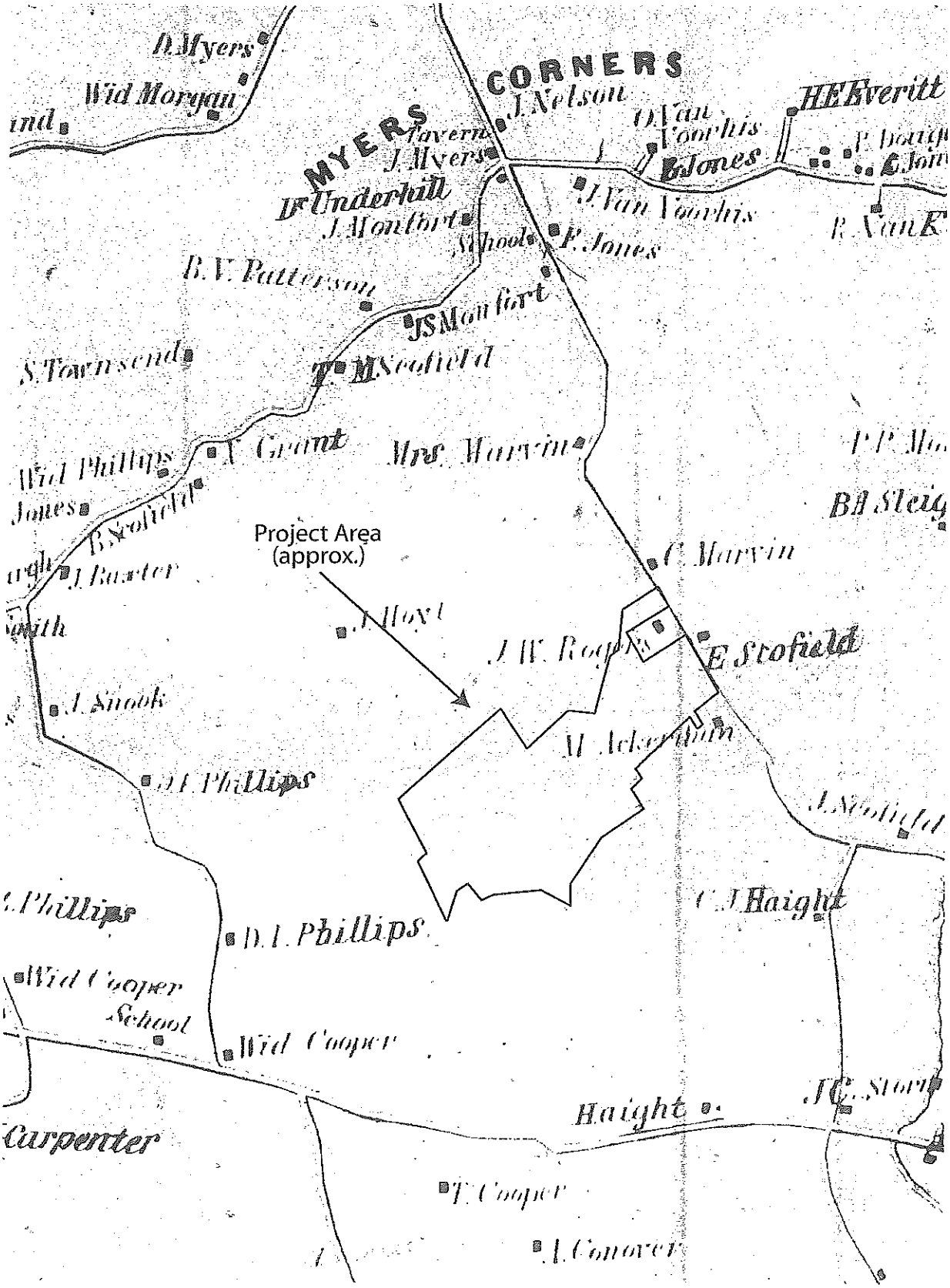


2000 ft. / 610 m.

1

North

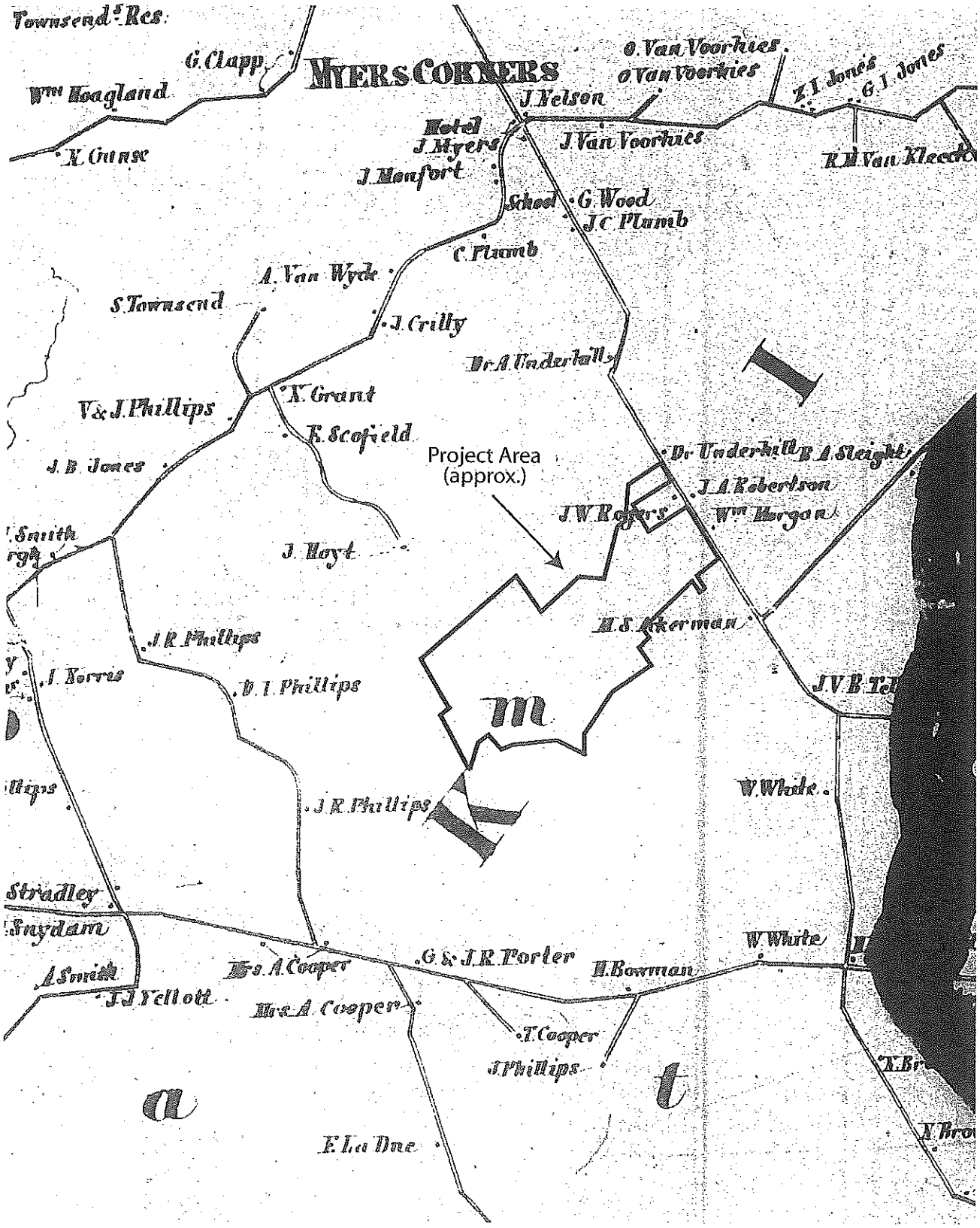
Map 4. Hilltop Village. Soils Map



2000 ft./610 m.

North

Map 5. Hilltop Village. 1850 Sidney Map

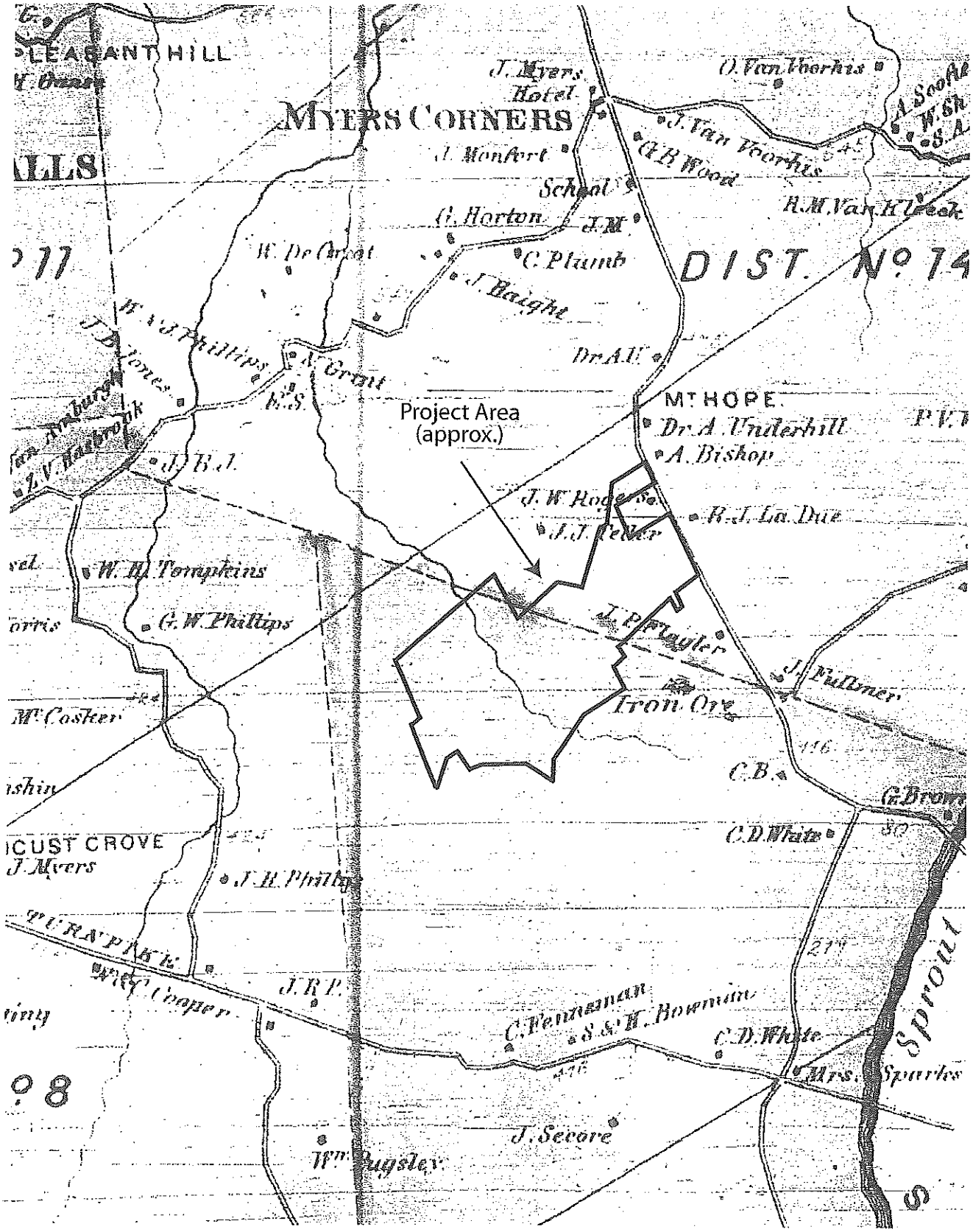


2000 ft. / 610 m.

1

North

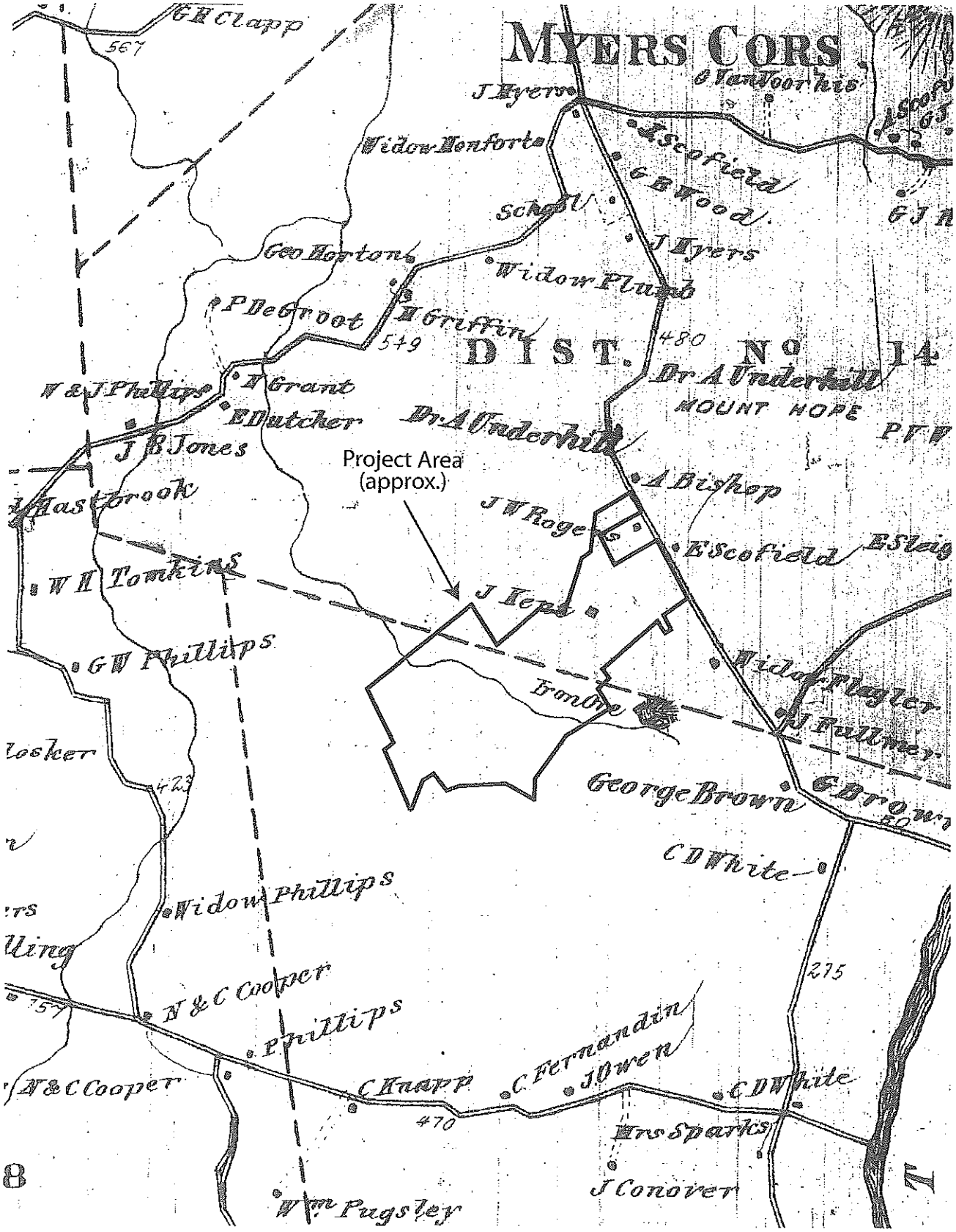
Map 6. Hilltop Village. 1858 Gillette Map



2000 ft. / 610 m.

North

Map 7. Hilltop Village. 1867 Beers Map



Map 8. Hilltop Village. 1876 Gray and Davis Map

TABLES

NYSOPRHP #	NYSM #	Site Name	Dist. from APE m/ft.	Time Period	Site Type	Ref./Arch
	5984	no name in site file	1000 ft/305 m	No info.	No Info.	Old Site File #2
	6879	"Traces of Occupation"	4500 ft/1372 m	No info.	No Info.	Parker 1922
A027.19.0025		Test 15 Site	4500 ft/1372 m	19th century	Farm	Brumbach 1981
A027.19.0032		Pugsly Farm Site	3800 ft/1158 m	19th century	Farm	Brumbach 1981

Table 1. Listed sites at NYSM and OPRHP.

APPENDICES

APPENDIX 1

HISTORIC RESOURCE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION
& HISTORIC PRESERVATION
P.O. BOX 189, WATERFORD, NY 12188
(518) 237-8643

OFFICE USE ONLY
USN:

IDENTIFICATION

Property name (if any): E. Stofield House

Address or Street Location : 229 All Angels Road

County Dutchess Town/City Wappingers Village/Hamlet: _____

Owner:

Original use Domocile Current use : Domocile

Architect/Builder, if known: Date of construction, if known: pre-1850

DESCRIPTION

Materials -- please check those materials that are visible.

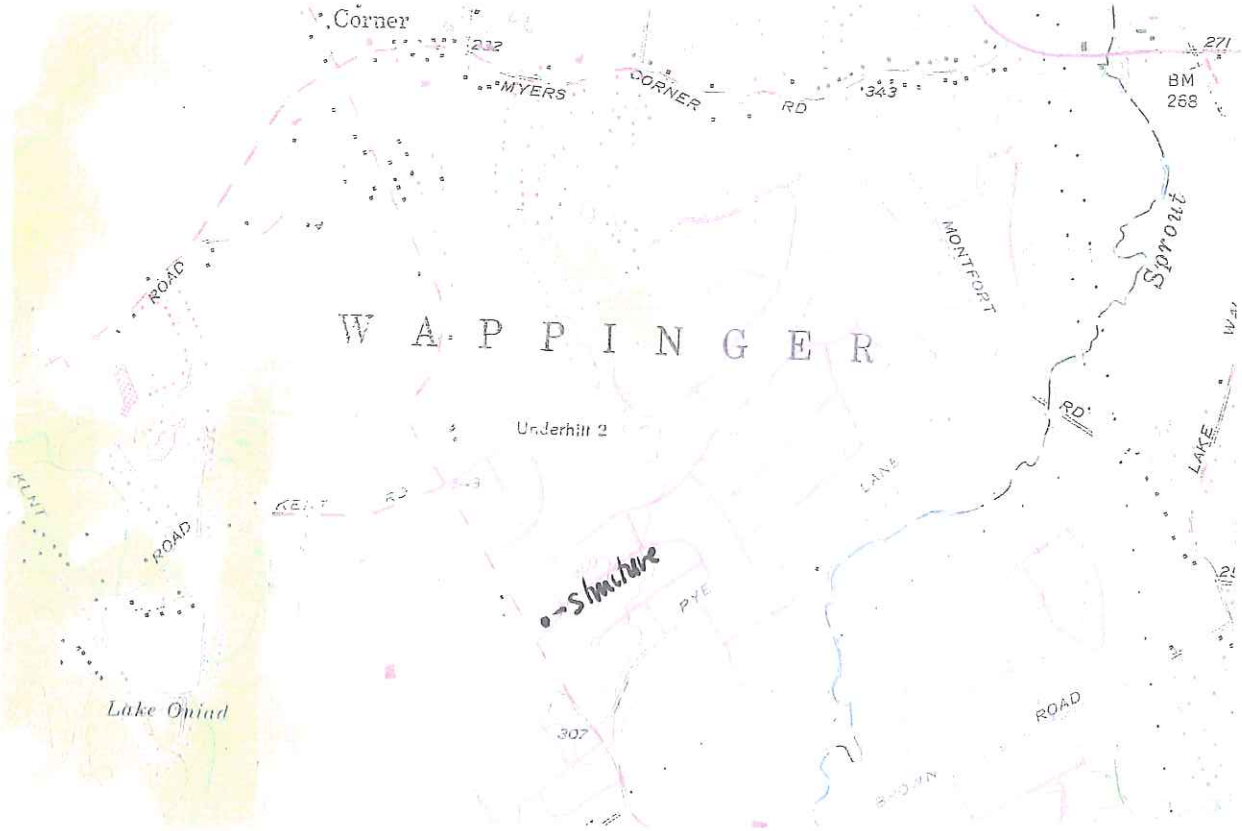
Exterior Walls:	[ ] wood clapboard	[ ] wood shingle	[ ] vertical boards	[ ] plywood	
	[ ] stone	[ ] brick	[ ] poured concrete	[ ] concrete block	
	[x] vinyl siding	[ ] aluminum siding	[ ] cement-asbestos	[ ] other:_____	
Roof:	[x] asphalt, shingle	[ ] asphalt, roll	[ ] wood shingle	[ ] metal	[ ] slate
Foundation:	[x] stone	[ ] brick	[ ] poured concrete	[ ] concrete block	

Other materials and their location:_____

Alterations, if known:

Condition: [x] excellent [ ] good [ ] fair [ ] deteriorated

Narrative Description of Significance : Clapboard one and 1/2 story. Pre-1850. On 1850 as E. Stofield. On 1858 Map as J. Robertson. On 1867 map as R.J LaDue, and on 1876 map as owned by E. Scofilield.



Prepared by: Joseph E. Diamond Ph.D. address 290 Old Route 209, Hurley, NY 12443

Telephone: (845) 338-0091 email beckjoe@hvc.rr.com Date 10 / 10/ 2010

HISTORIC RESOURCE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION
& HISTORIC PRESERVATION
P.O. BOX 189, WATERFORD, NY 12188
(518) 237-8643

OFFICE USE ONLY
USN:

IDENTIFICATION

Property name (if any): C. Marvin House

Address or Street Location : All Angels Road

County Dutchess Town/City Wappingers Village/Hamlet: _____

Owner:

Original use Domocile Current use : Domocile

Architect/Builder, if known: Date of construction, if known: pre-1850

DESCRIPTION

Materials -- please check those materials that are visible.

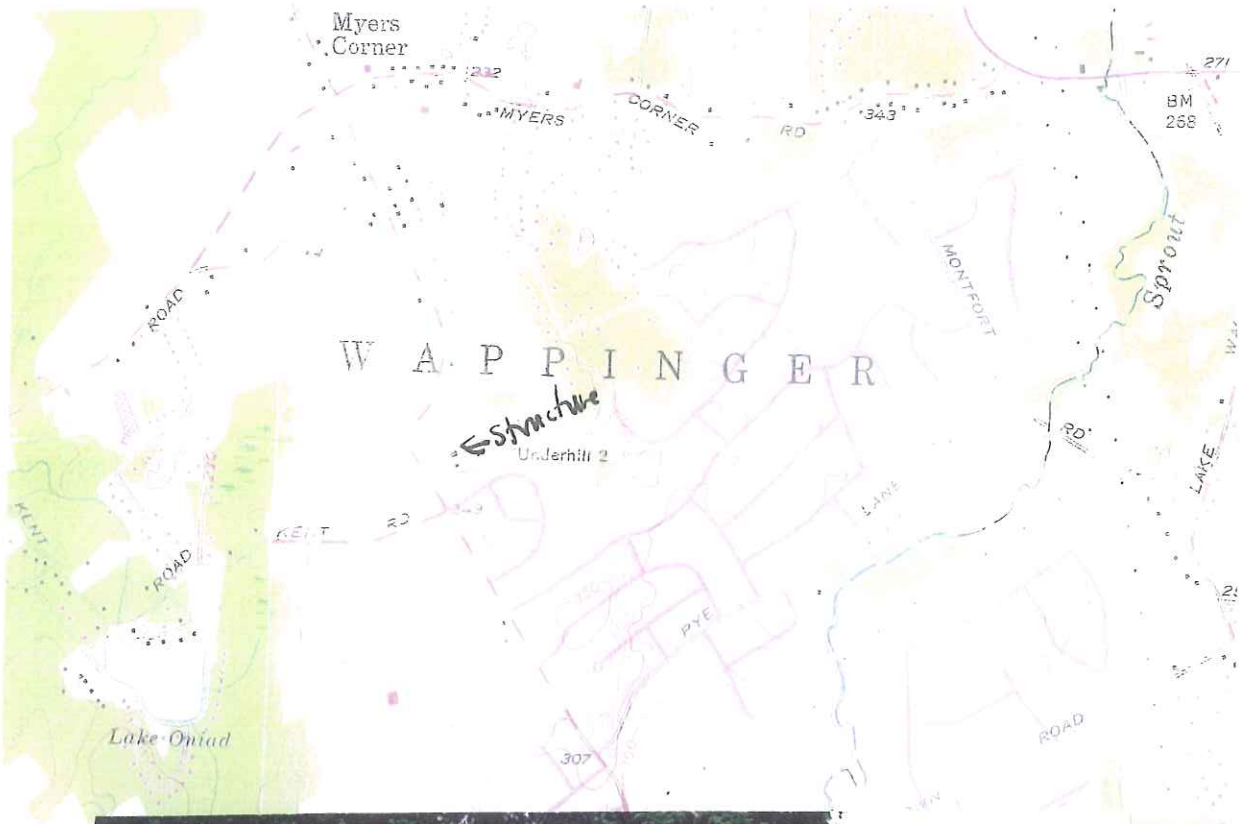
Exterior Walls:	■ wood clapboard	☐ wood shingle	☐ vertical boards	☐ plywood
	☐ stone	☐ brick	☐ poured concrete	☐ concrete block
	☐ vinyl siding	☐ aluminum siding	☐ cement-asbestos	☐ other: _____
Roof:	■ asphalt, shingle	☐ asphalt, roll	☐ wood shingle	metal ☐ slate
Foundation:	■ stone	☐ brick	☐ poured concrete	☐ concrete block

Other materials and their location: _____

Alterations, if known:

Condition: ☒ excellent ☐ good ☐ fair ☐ deteriorated

Narrative Description of Significance : Clapboard two or three and 1/2 story. Pre-1850. On 1850 as C. Marvin. On 1858 Map as Dr. Underhill. On 1867 and 1876 map as owned by A. Bishop.



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Telephone: (845) 338-0091 email beckjoe@hvc.rr.com Date 10/10/ 2010

HISTORIC RESOURCE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION
& HISTORIC PRESERVATION
P.O. BOX 189, WATERFORD, NY 12188
(518) 237-8643

OFFICE USE ONLY
USN:

IDENTIFICATION

Property name (if any): J.W. Rogers House

Address or Street Location : 224 All Angels Road

County Dutchess Town/City Wappingers Village/Hamlet: _____

Owner:

Original use Domocile Current use : Domocile

Architect/Builder, if known: Date of construction, if known: pre-1850

DESCRIPTION

Materials -- please check those materials that are visible.

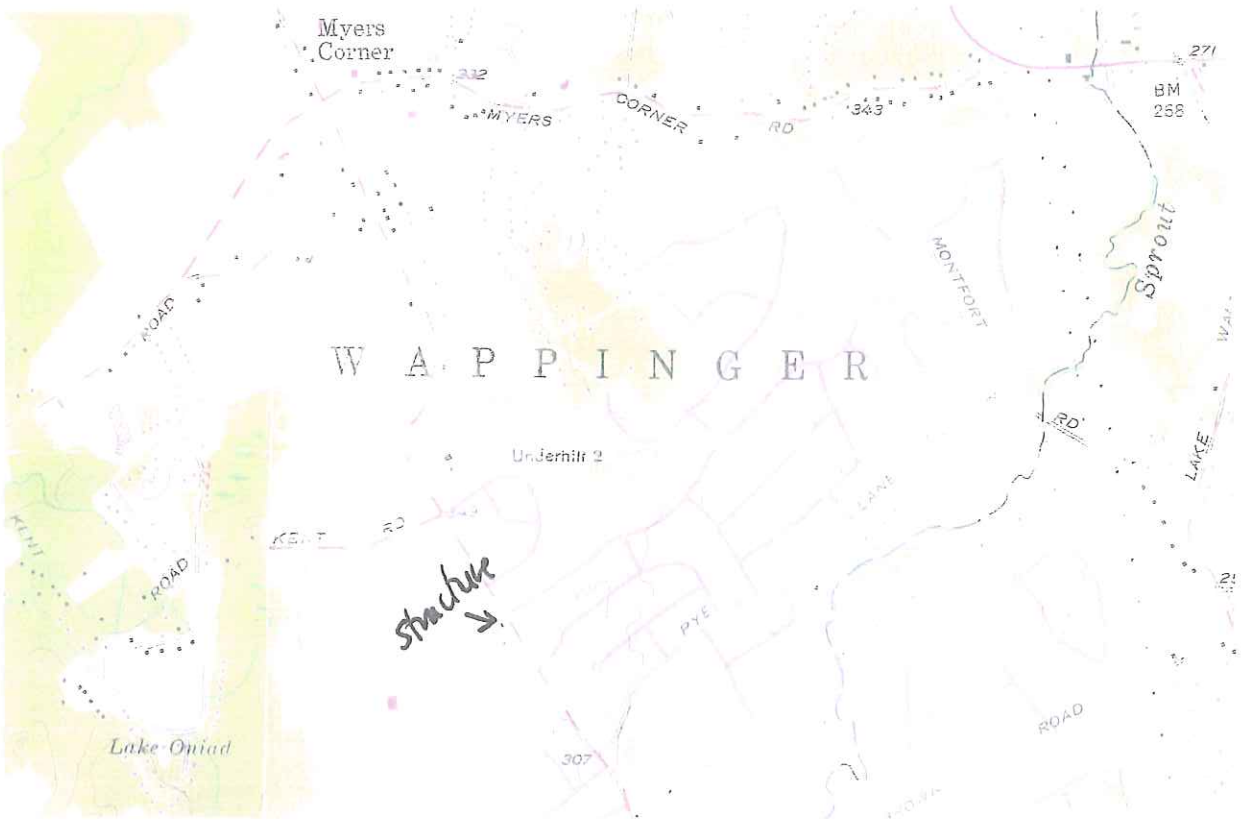
Exterior Walls:	☑ wood clapboard	☐ wood shingle	☐ vertical boards	☐ plywood	
	☐ stone	■ brick	☐ poured concrete	☐ concrete block	
	■ vinyl siding	☐ aluminum siding	☐ cement-asbestos	☐ other: _____	
Roof:	■ asphalt, shingle	☐ asphalt, roll	☐ wood shingle	☐ metal	☐ slate
Foundation:	■ stone	☐ brick	☐ poured concrete	☐ concrete block	

Other materials and their location: _____

Alterations, if known:

Condition: ☒ excellent ☐ good ☐ fair ☐ deteriorated

Narrative Description of Significance : Brick two and 1/2 story. .Pre-1850. On 1850, 1858, 1867 and 1876 maps as owned by J.W. Rogers.



Prepared by: Joseph E. Diamond Ph.D. address 290 Old Route 209, Hurley, NY 12443

Telephone: (845) 338-0091 email beckjoe@hvc.rr.com Date 10 / 10 / 2010

HISTORIC RESOURCE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION
& HISTORIC PRESERVATION
P.O. BOX 189, WATERFORD, NY 12188
(518) 237-8643

OFFICE USE ONLY
USN:

IDENTIFICATION

Property name (if any): M Ackerman House

Address or Street Location : 243 All Angels Road

County Dutchess Town/City Wappingers Village/Hamlet: _____

Owner:

Original use Domocile Current use : Domocile

Architect/Builder, if known: Date of construction, if known: pre-1850

DESCRIPTION

Materials -- please check those materials that are visible.

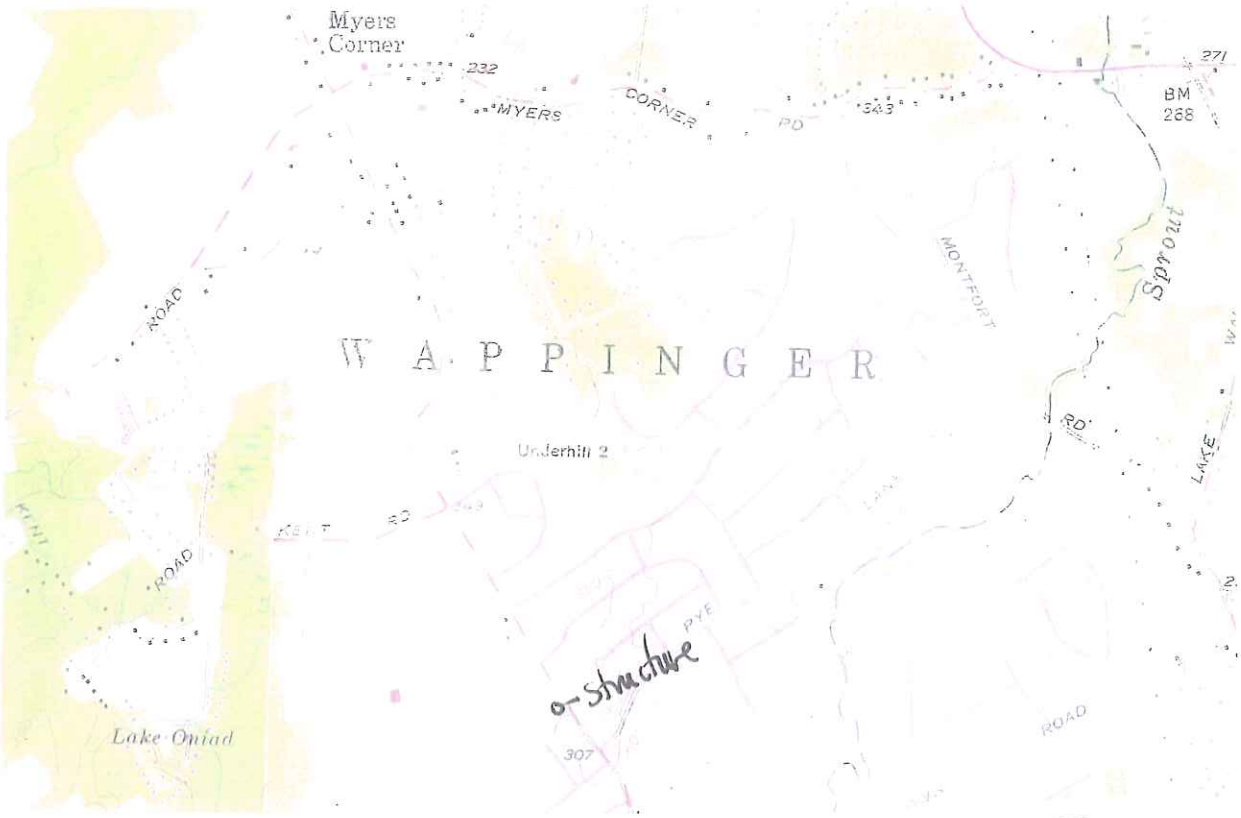
Exterior Walls:	■ wood clapboard	☐ wood shingle	☐ vertical boards	☐ plywood	
	☐ stone	☐ brick	☐ poured concrete	☐ concrete block	
	☐ vinyl siding	☐ aluminum siding	☐ cement-asbestos	☐ other:_____	
Roof:	■ asphalt, shingle	☐ asphalt, roll	☐ wood shingle	☐ metal	☐ slate
Foundation:	■ stone	☐ brick	☐ poured concrete	☐ concrete block	

Other materials and their location:_____

Alterations, if known:

Condition: ☒ excellent ☐ good ☐ fair ☐ deteriorated

Narrative Description of Significance : Clapboard two and 1/2 story. Pre-1850. On 1850, and 1858 Maps as M.S. Ackerman. On 1867 map as J.P. Flagler, and on 1876 map as owned by Widow Flagler.



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Telephone: (845) 338-0091 email beckjoe@hvc.rr.com Date 10/10/ 2010

PHASE 1B ARCHAEOLOGICAL RECONNAISSANCE

PROPOSED HILLTOP VILLAGE

ALL ANGELS ROAD

TOWN OF WAPPINGER, DUTCHESS CO., NY

OPRHP # 10PR07428

PREPARED FOR:

POVALL ENGINEERING, PLLC

25 CORPORATE PARK DRIVE,

SUITE C

HOPEWELL JUNCTION, NY 12533

AUGUST 15th, 2011

PREPARED BY: JOSEPH E. DIAMOND, Ph.D.

290 OLD ROUTE 209,

HURLEY, N.Y. 12443

845-338-0091

New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island Resource Center, PO Box 189, Waterford, NY 12188-0189 (Mail)
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PROJECT REVIEW COVER FORM

Rev. 10-04

Please complete this form and attach it to the top of any and all information submitted to this office for review. Accurate and complete forms will assist this office in the timely processing and response to your request.

1. This information relates to a previously submitted project.

PROJECT NUMBER 10 PR 07428

COUNTY Dutchess

☐ If you have checked this box and noted the previous Project Review (PR) number assigned by this office you do not need to continue unless any of the required information below has changed.

2. This is a new project. ☐ If you have checked this box you will need to complete ALL of the following information.

Project Name Hilltop Village

Location All Angels Road
You MUST include street number, street name and/or County, State or Interstate route number if applicable

City/Town/Village Town of Wappinger
List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

County Dutchess
If your undertaking* covers multiple communities/counties please attach a list defining all municipalities/counties included.

TYPE OF REVIEW REQUIRED/REQUESTED (Please answer both questions)

A. Does this action involve a permit approval or funding, now or ultimately from any other governmental agency?

☐ No ☒ Yes

If Yes, list agency name(s) and permit(s)/approval(s)

Agency involved	Type of permit/approval	State	Federal
Planning Board	SEQRA	☒	☐
ACOE	Wetlands	☐	☒
NYSDEC	Wetlands	☒	☐

B. Have you consulted the NYSHPO web site at http://www.nysparks.state.ny.us/shpo to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes: ☒ Yes ☐ No

Was the project site wholly or partially included within an identified archeologically sensitive area? ☒ Yes ☐ No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places? ☐ Yes ☒ No

CONTACT PERSON FOR PROJECT

Name Bill Povall Title Engineer

Firm/Agency Povall Engineering, PLLC

Address 25 Corporate Park Drive, Suite C City Hopewell Junction STATE NY Zip 12533

Phone (845) 897-8205 Fax (845) 897-0042 E-Mail bpovall@comcast.net

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1. Shovel Test Record.

CULTURAL RESOURCE INVESTIGATION

Management Summary

SHPO: Project Review #: **10PR07428**

Involved State and Federal Agencies: **SEQRA, ACOE, NYSDEC**

Phase of Survey: **Phase 1B**

Location Information:
Survey Area (Metric and English): **149.35 acre (60.44 hectare)**
Length: **SW/NE axis 4450 ft. (1356 m)**
Width: **SE/NW axis 2400 ft. (732 m)**

USGS 7.5 Minute Quadrangle Map: **Wappingers Falls and Hopewell Junction Quadrangles**

Phase 1A Archaeological Survey: **Phase 1A literature search located two 19th century historic sites, and two pre-contact sites within a one mile radius. There were no sites listed within the project area.**

Phase 1B Archaeological Testing: **A total of 827 shovel tests were excavated. One metallic item, probably part of a plow, was found.**

Results of Phase 1B Archaeological Survey: **No pre-contact or historic sites found.**

Number & name of historic sites identified: **None.**
Number & name of sites recommended for Avoidance: **N/A**

Report Author: **Joseph E. Diamond, Ph.D.**

Date of Report: **8/15/2011**

PHASE 1B ARCHAEOLOGICAL RECONNAISSANCE

Introduction

This cultural resource survey was conducted to evaluate the proposed Hilltop Village Subdivision in the Town of Wappinger, Dutchess County, NY (Maps 1 and 2). The project area is a 149.35 acre (60.44 hectare) parcel located southwest of All Angels Road. The project area is an irregularly-shaped parcel with three main projections. One is a rectangular area composed of wetland that connects to All Angels Road, one is a proposed link to an existing street named Rich Street to the south, and one is a link to the Shamrock Hills Subdivision (Map 3). The proposed project is a 171 lot subdivision with 70.65 acres to be developed, and 74.65 acres to remain undeveloped, most of which is wetland and wetland buffer (Map 3). The wetlands consist of two ACOE wetlands (10.56 acres with 16.23 ACOE buffer), a Town wetland and buffer (size as yet to be determined), as well as a large NYSDEC wetland (24.47 acres with 10.30 acre buffer). Access is to be provided by links to three existing roads along the outside of the subdivision. The APE is defined on Map 3 (enclosure). The project area is currently a combination of partially grown in fields and woodland. The author was contacted by Mr. William Povall of Povall Engineering in June of 2010. A literature survey was conducted at OPRHP by Croshier Archaeological Research on 7/1/2010. The Phase 1A Sensitivity and Literature Survey for this project was completed on 11/10/2010 (Diamond 2010).

Research Design

Field reconnaissance was begun in June of 2011 and completed in August of 2011. There were no conditions that adversely affected the shovel testing procedure. As suggested in the Phase 1A, shovel testing was undertaken across the project area within the APE in locations where soils will be impacted by the proposed construction of new house lots, driveways, and access roads.

Field Methods and Procedures

For the field testing on this project, we initially tried to determine how much of the project area was in excess of 12% slope. Using the common equation of rise/run we determined that there were six locations (see Map 4) where the slope ranged from 12%, to in some cases 22%. These areas were not tested as per the 1994 *Standards* and the 2005 *Guidelines*. To facilitate testing, portions of the project area were brush-hogged with trails to assist access to densely covered sections of the project area. From the brush-hogged trails we cut shovel test transects through the woods on several axes, depending on where we were, and which direction the brush hog had taken. In some locations, such as the area south of the entrance road from All Angels Road (ST's 1-100), we used the first brush-hogged transect as a baseline down the sanitary easement (Photograph #1), and then turned 90 degree angles off of it. To the north of the same entrance road (ST#'s 101-177), we simply used the same baseline with flags set along the road at 50 foot intervals.

For the hilltop, and its slopes, we followed the brush-hogged tails and utilized them as best as possible for setting up baselines that we used to test particular portions of the project area. An examination of Map 4 will show that we have shovel test transects running on several different compass bearings. These were set up in the field as the most propitious way to test a particular section of the project area and we stayed with that compass bearing until the slope or underbrush made a change necessary, or until we came upon a previously flagged and excavated transect.

During the testing we found two linear terraces that overlooked the wetland along the northwestern portion of the project area. These included a lower terrace immediately above the wetland buffer, which was

tested with shovel tests 774-823, and a slightly higher piece of level ground that had the same linear orientation. This second or higher terrace was tested with shovel tests 729-773.

The rest of the hilltop varied from basically level near the top, to slightly sloping as one headed toward the housing development to the south and southeast. Along the southern and eastern portions of the hill were three locations (Map 4: 4, 5 and 6) where we did not test due to slope in excess of 12%.

Field methods included the creation of baselines with pink or orange flagging, and then the shovel testing of linear transects at 50 foot intervals within the APE. All soil was screened through 1/4 inch hardware cloth and examined for artifacts. A Munsell soil color chart was used to determine soil colors. In all cases, shovel tests penetrated stratum 1 and ended in sterile subsoil or were stopped by a rock (usually a large cobble/boulder) impasse.

Included with the field methods was pedestrian examination of water-washed soils. In various locations throughout the project area, the degree of slope and the lack of a ground cover produced an A-Horizon soil that showed significant quantities of rain-washed pebbles, cobbles and slightly larger rocks. During the shovel testing we examined these locations wherever they occurred to determine if pre-contact artifacts were present. Since the project area has been previously plowed, probably in the 18th and 19 centuries, if artifacts were present, they would have been visible on the surface.

Results of Field Investigation

A total of 827 shovel tests were excavated across the project area (Map 4). The soils in the project area were generally a very dark brown to brown silty clay or clayey silt overlying a yellow brown silty clay or clayey silt (depending on location). In many cases the second stratum was found to have olive in it and hence some of the soils are on the 2.5Y Munsell page (olive brown). Inclusions within the soil ranged from pebbles, to cobbles to angular rock, and in some cases shale.

The 827 shovel tests can be discussed by general location:

Shovel tests 1-100.

As noted above, we used the sanitary right of way as a baseline (Photograph #1). This area was extensively disturbed by old bulldozing and soil movement, probably from the sanitary line. There were extensive piles of soil throughout this section of woods (Photograph 2). We tested it anyway, but found no artifacts except a piece of yellow ware on the surface near ST# 25. Near ST# 66 and 67 we found an old stone lined well (Photograph 3), attesting to the fact that this portion of the project area was probably a cattle pasture. We did not find any pre-contact artifacts.

Shovel tests 101-177.

To the north of the entrance road we excavated 77 shovel tests. We found a modern (c. 1940's) dump on the side of the hill near shovel test 137. We did not find any pre-contact artifacts.

Shovel tests 178-204.

To the east of a power line right-of-way that proceeds from near Sylvia Drive to the entrance road from All Angels we excavated tests 178-204 in a series of six transects that ended at the wetland buffer. We did not find any pre-contact artifacts.

Shovel tests 205-248.

West of the power line right-of-way and extending up to an area of extreme slope (Map 4: #6) we put in six transects. We did not find any pre-contact artifacts.

Shovel tests 248-728.

These tests cover most of the hilltop (Photograph 4) except for the two terraces that were mentioned above. Except for an old farm road that cut across the hill from west to east, and an area near the subdivision that was used for paintball games, there were no indications of historic artifacts or foundations. Soils varied as noted above, and there were several large areas of pedestrian examination of rain washed soils. We did not find any pre-contact artifacts.

Large Disturbed Area.

To the north of shovel tests 178-248 is an area of extreme disturbance (see Map 4). Along the edge and south of the bend in the road it is noticeable as a bulldozed embankment to create a deep ditch to channel runoff into the wetland. As one heads west there is a large area (across from the existing building at the end

of the road) that has been bulldozed. It is apparent by the contour intervals on Map 4. This area appears to have been partially mined for shale, as well as bulldozed in a number of directions. A pedestrian examination of the disturbed area found occasional modern (1960's-1970's) garbage and some appliances mixed in with the fill.

Shovel tests 729-773.

As mentioned above, we tested two linear terraces. The second, or higher terrace, was tested with shovel tests 729-773. The northeastern end of this terrace produced evidence of modern hunting stands, numerous shotgun shell casings, deer lure ("Tinks"), and beer kegs with multiple holes. There is also a possible paintball area. We did not find any pre-contact artifacts.

Shovel tests 774-823.

The lower terrace that immediately overlooked the wetland buffer was tested with shovel tests 774-823. This was what we believed would be the highest probability location for finding pre-contact Native American materials. We did not find any pre-contact artifacts.

Shovel tests 824-827.

Shovel tests 824 to 827 tested in a linear row, the proposed road linking the Hilltop Subdivision to the Shamrock Hills Subdivision.

The 827 initial shovel tests (Appendix 1) produced evidence of one metallic item, found in shovel test #571. As mentioned above, it is probably a piece of farm equipment. From an examination of the soils across the property, as well as the volume of stones along the old farm road, it is apparent that stratum one is an old plow zone. More importantly, since the hilltop portion of the property had been plowed, we feel confident that any sites present in the plowzone would have been visible on the surface as groupings of rain-washed artifacts on the ground. The pedestrian examination mentioned above failed to locate any.

Conclusion and Recommendations

A total of 827 initial shovel tests were excavated across the APE up to the edges of the wetland boundaries. One piece of historic pottery (yellow ware) was found, as was a modern dump, and a piece of farm equipment. No prehistoric (Pre-Contact) finds were made. As a result, no further work is recommended.

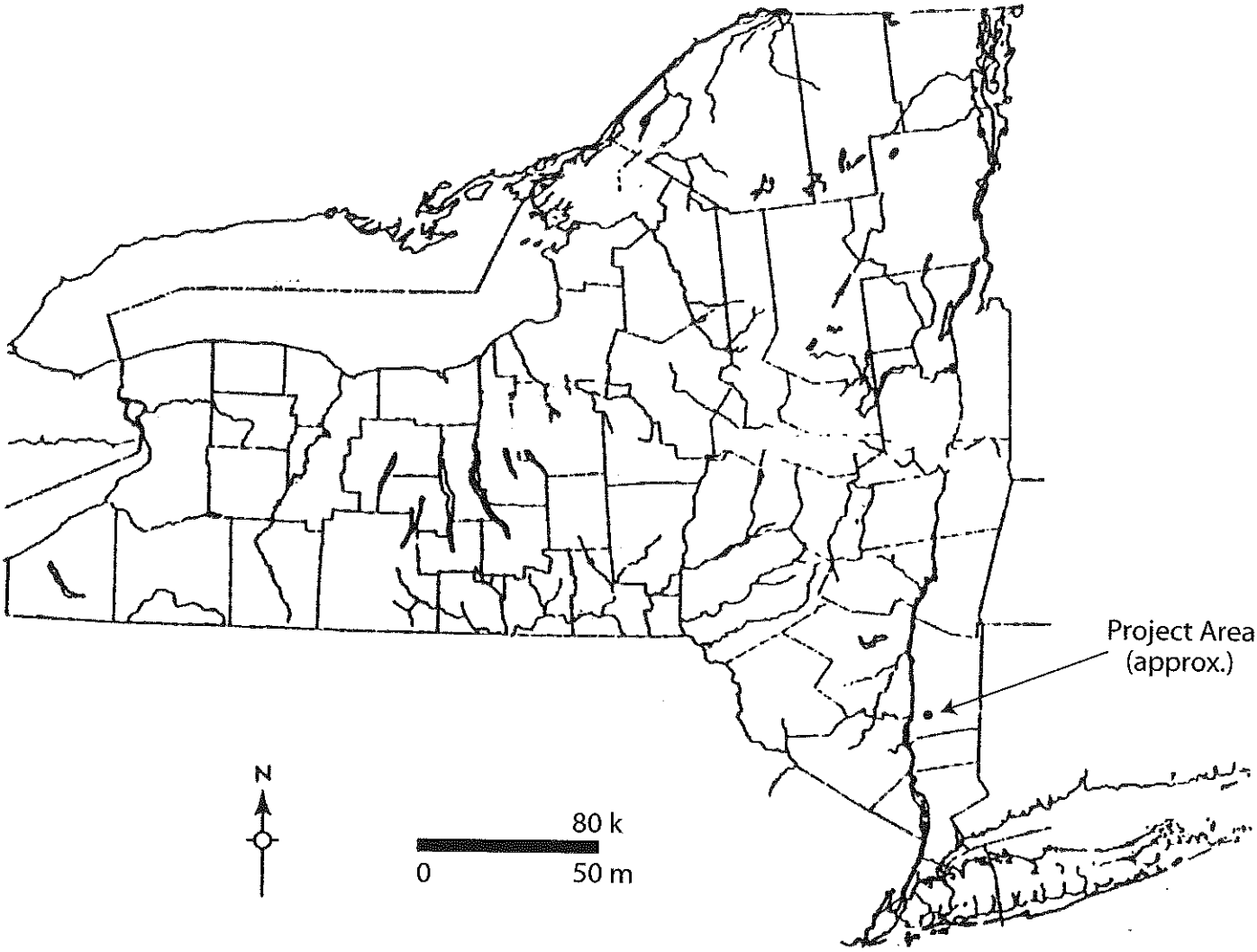
References

Diamond , Joseph E.
2010 Phase 1A Literature Review and Archaeological Sensitivity, Proposed Hilltop Village, All Angels Road, Town of Wappingers, Dutchess County, NY. 11/10/2010

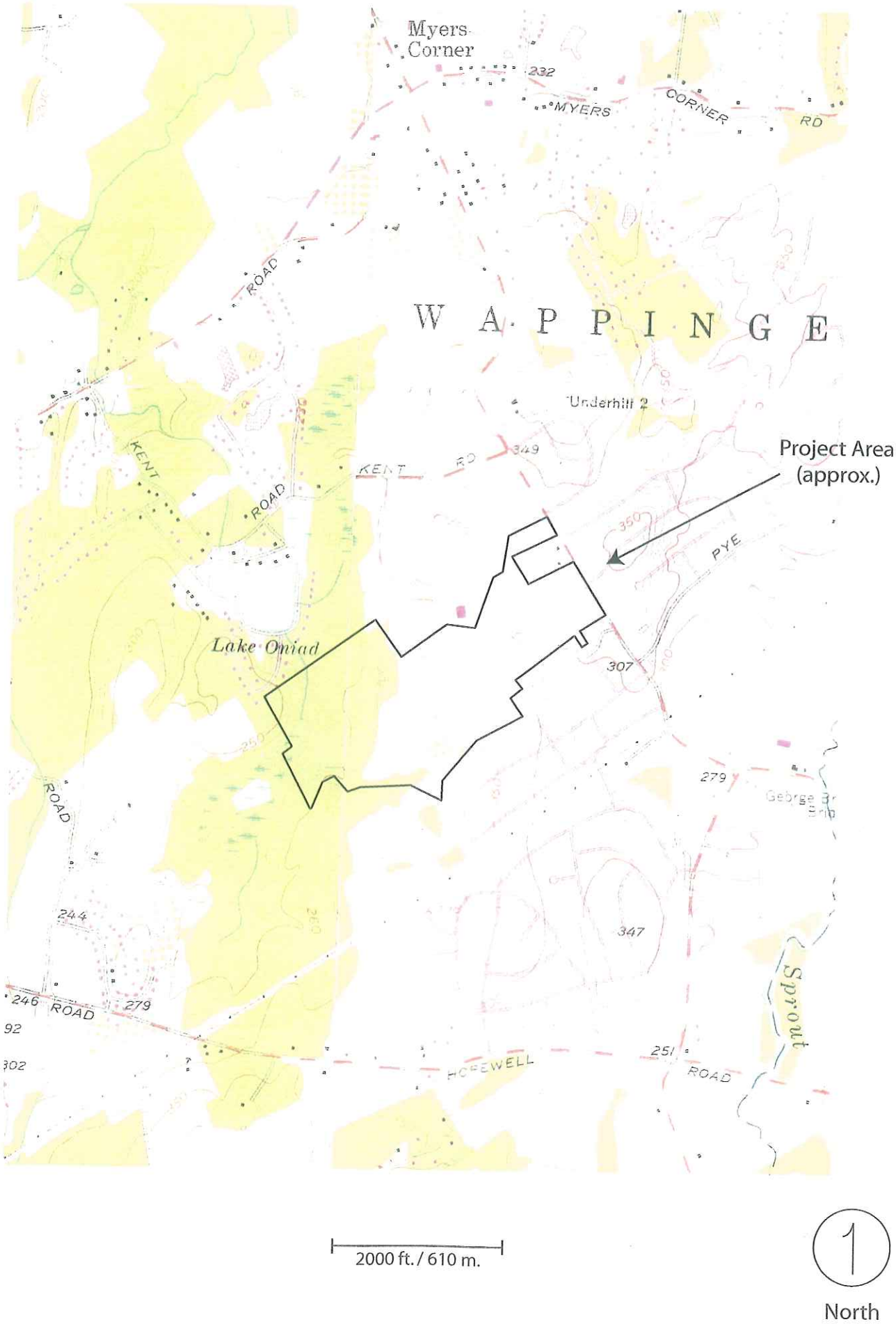
New York Archaeological Council
1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State*. Adopted by the Office of Parks, Recreation, and Historic Preservation.

OPRHP
2005 Guidelines (or) Revised State Historic Preservation Phase 1 Archaeological Report Format Requirements.

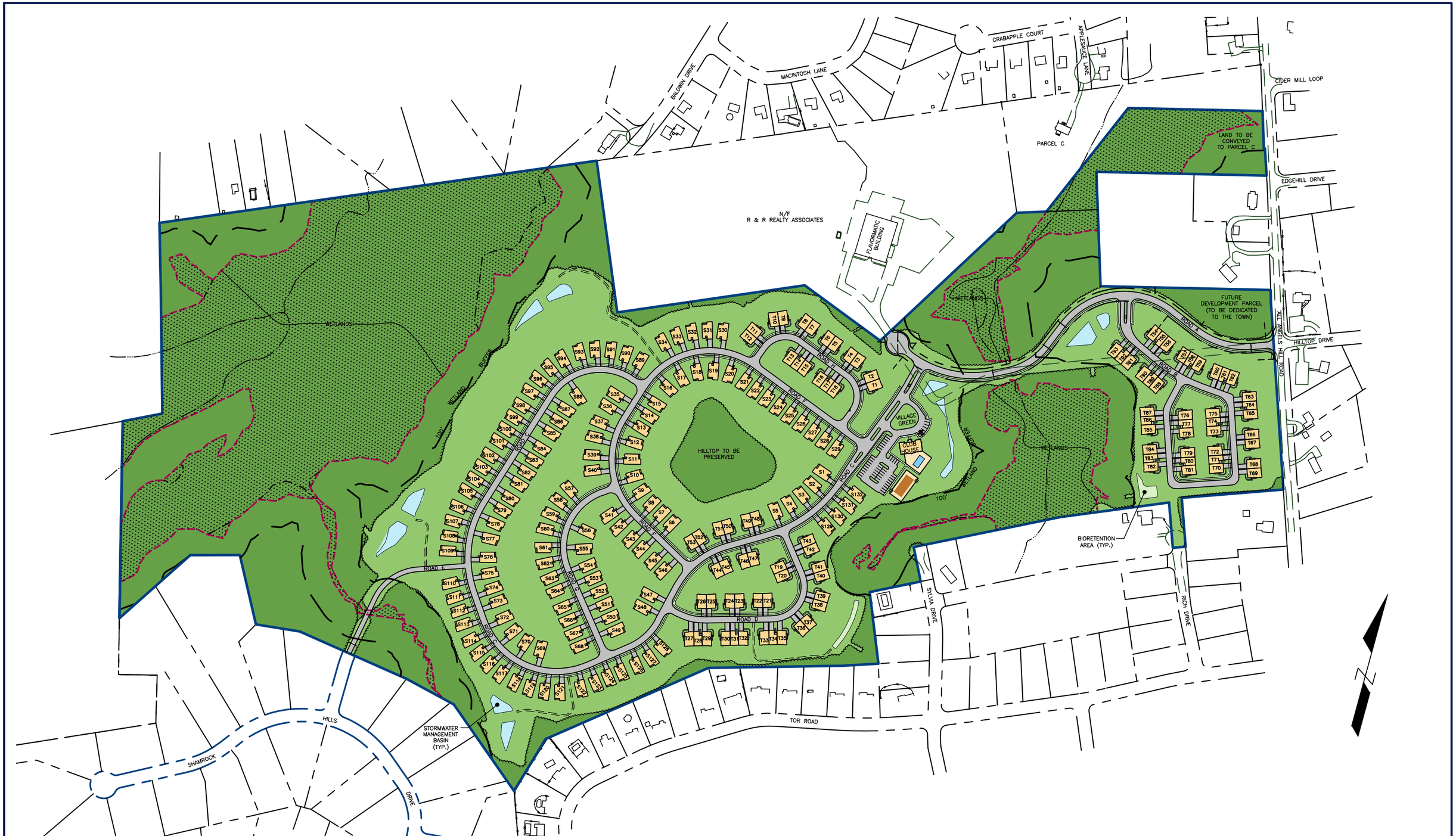
MAPS



Map 1. New York State



Map 2. Hilltop Village. Wappingers Falls and Hopewell Junction Quadrangles



REVISIONS	
DATE:	DESCRIPTION:

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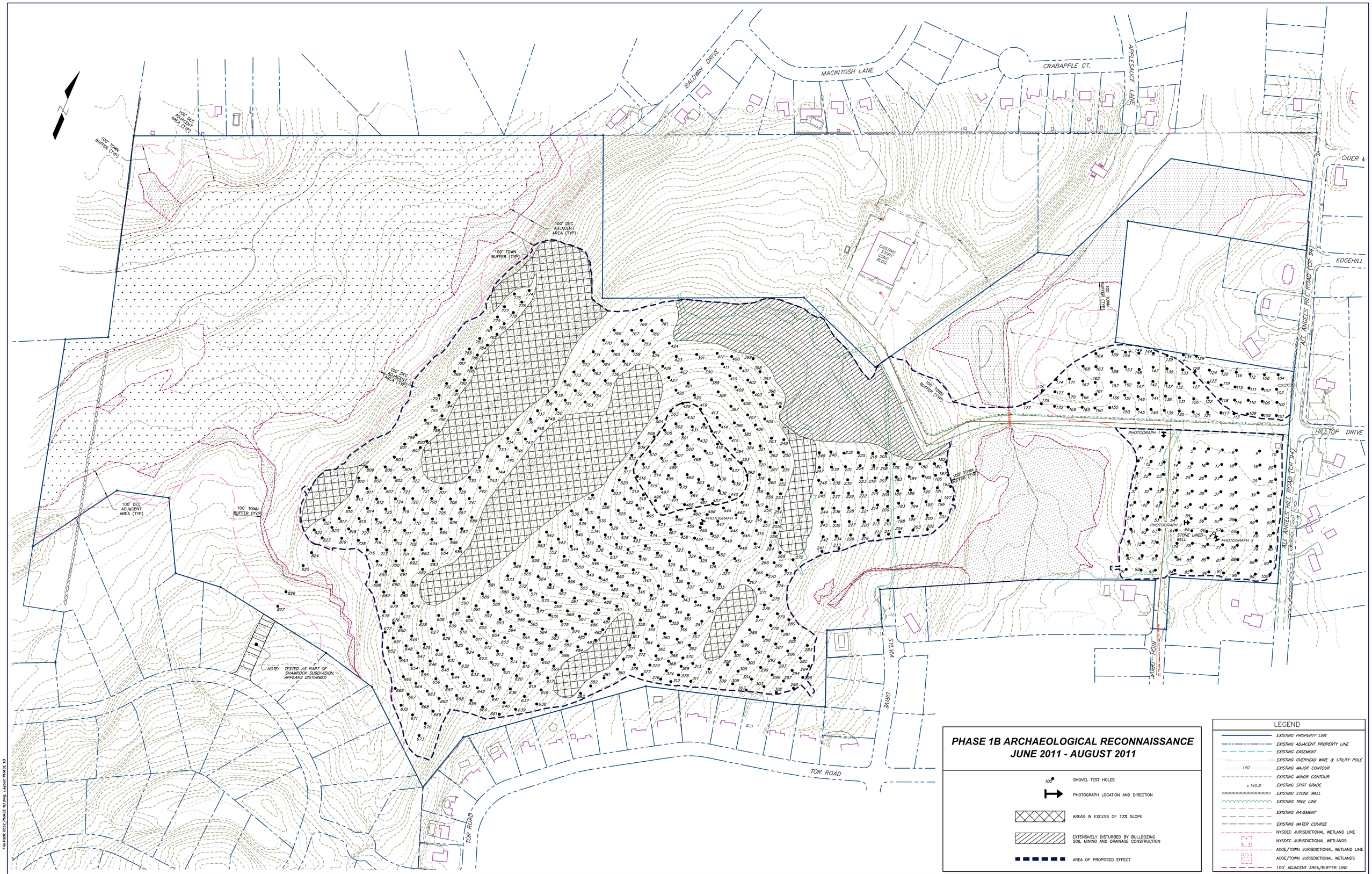
HILLTOP VILLAGE AT WAPPINGER

PHASE 1B ARCHAEOLOGICAL MAP

TOWN OF WAPPINGER

DUTCHESS COUNTY, NEW YORK

JOB #:	0552
DATE:	09/2011
SCALE:	1"=350'
	MAP 3



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LMAN: EC-1

UCS: PLAN

REVISIONS

DATE:	DESCRIPTION:

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HILLTOP VILLAGE AT WAPPINGER

PHASE 1B ARCHAEOLOGICAL MAP 4

TOWN OF WAPPINGER

DUTCHESS COUNTY, NEW YORK

JOB #:	0552
DATE:	08-15-11
SCALE:	1"=120'

MAP 4

PHOTOGRAPHS

Photograph 1: Looking south down baseline for shovel tests 1-100 on entrance road from All Angels Road.

Photograph 2. Spoil piles east of baseline near shovel tests 55 and 65. View east.

Photograph 3: Stone lined well near shovel tests 66 and 67. Trowel in foreground points north.

Photograph 4. Top of hill looking south down one transect line with # 455 in lower foregound (flag).

APPENDICES

APPENDIX 1

SOIL COLOR/MATERIAL DESCRIPTION

MATERIAL/TEXTURE:

sa = sand (y)
si = silt (y)
cl = clay (ey)
lo = loam
hu = humic
chf = charcoal flecks
irn = iron
bed = bedrock
cob = cobbles
peb = pebbles
sh = shale
ang rk = angular rock
coa = coarse
fi = fine
grv = gravel (y)
rd grv = road gravel
rk = rock (y)
rt = root (s)
gw = graywacke
imp = impasse
lyr = layer
dis = disturbed
dep = deposits
dec = decomposed
mix = mixed
mot = mottled
qz = quartzite

COLORS/SHADES:

bl = black
g = gray (ish)
ol = olive
br = brown (ish)
r = red (ish)
y = yellow (ish)
gr = green
wh = white
pk = pink (ish)
aq = aqua
l = light
dk = dark
p = pale
st = strong
v = very

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
1	0-16	humus		None		
	16-32	y br si w/sh & cob		None		
2	0-14	humus		None		
	14-27	y br si w/sh & cob		None		
3	0-17	dk br si lo w/sh & cob		None		
	17-27	y br si w/sh		None		
4	0-10	dk br si lo w/sh & cob		None		
	10-30	r y br si w/sh		None		
5	0-10	dk br si lo w/sh & cob		None		
	10-30	r y br si w/sh & cob		None		
6	0-8	dk br si lo w/sh & cob		None		
	8-30	r y br si w/sh & cob		None		
7	0-15	dk br si lo w/cob		None		
	15-30	y br si w/cob		None		
8	0-20	v dk br si lo w/cob		None		
	20-30	y br si w/cob		None		
9	0-27	v dk br si w/cob		None		
	27-38	y br si w/cob		None		
10	0-21	dk br si w/cob		None		
	21-33	y br si w/cob		None		
11	0-6	humus		None		
	6-26	y br si w/sh & cob		None		
12	0-6	humus		None		
	6-25	y br si w/sh & cob		None		
13	0-8	dk br si lo w/sh & cob		None		
	8-15	y br si w/sh		None		
14	0-35(stopped by rock)	y br si w/cob		None		
15	0-10	dk br si lo w/sh & cob		None		
	10-23	y br si w/sh		None		
16	0-26(stopped by rock)	dk br si w/cob		None		
17	0-30	dk br si w/sh & cob		None		
	30-35	y br si w/sh		None		
18	0-30	dk br si w/sh & cob		None		
	30-40	y br si w/sh		None		
19	0-36	dk br si w/sh & cob		None		
	36-43	y br si w/sh		None		
20	0-26	dk br si w/sh & cob		None		
	26-37	y br si w/sh		None		
21	0-9	humus w/dec sh		None		
	9-25	p y si w/sh		None		
22	0-14	dk br si w/sh & cob		None		
	14-31	y br si w/sh		None		
23	0-11	dk br si w/sh & cob		None		
	11-30	hardpacked y br si w/sh		None		
24	0-10	dk br si w/sh & cob		None		
	10-30	hardpacked y br si w/sh		None		
25	0-8	dk br si w/sh & cob		None		
	8-32	hardpacked y br si w/sh		None		
26	0-17	dk br si w/sh & cob		None		
	17-32	hardpacked y br si w/sh		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
27	0-18	dk br si w/cob		None		
	18-34	p y br si w/cob		None		
28	0-22	dk br si w/cob		None		
	22-40	p y br si w/cob		None		
29	0-23	dk br si w/cob		None		
	23-32	p y br si w/cob		None		
30	0-10	v dk br si w/cob		None		
	10-30	y br si w/cob		None		
31	0-6	br si w/sh		None		
	6-26	r br si w/sh & peb		None		
32	0-6	br si w/sh		None		
	6-27	r br si w/sh & peb		None		
33	0-7	dk br si w/sh & cob		None		
	7-13	y br si w/sh		None		
34	0-17	dk br si w/sh & cob		None		
	17-30	y br si w/sh & cob		None		
35	0-18	dk br si w/sh & cob		None		
	18-25	y br si w/sh & cob		None		
36	0-10	dk br si w/sh & cob		None		
	10-17	y br si w/sh & cob		None		
37	0-32 (rock)	dk br si w/sh & cob		None		
38	0-25	dk br si w/sh & cob		None		
	25-33	p y si w/sh & cob		None		
39	0-30	dk br si w/sh & cob		None		
	30-40	y br si w/sh & cob		None		
40	0-35 (rock)	dk br si w/sh & cob		None		
41	0-7	dk br si w/cob & sh		None		
	7-17	y br si w/cob & sh		None		
42	0-13	dk br si w/cob & sh		None		
	13-20	y br si w/cob & sh		None		
43	0-5	dk br si w/cob & sh		None		
	5-29	y br si w/cob & sh		None		
44	0-6	dk br si w/cob & sh		None		
	6-29	y br si w/cob & sh		None		
45	0-10	dk br si w/cob & sh		None		
	10-30	y br si w/cob & sh		None		
46	0-8	dk br si w/cob & sh		None		
	8-32	y br si w/cob & sh		None		
47	0-8	dk br si w/cob & sh		None		
	8-31	y br si w/cob & sh		None		
48	0-27	dk br si w/cob		None		
	27-37	p y br si w/cob		None		
49	0-24	dk br si w/cob		None		
	24-34	y br si w/cob & sh		None		
50	0-16	br si w/cob		None		
	16-34	y br si w/cob		None		
51	0-10	br si w/sh		None		
	10-25	r br si w/sh & peb		None		
52	0-8	br si w/sh		None		
	8-28	r br si w/sh & peb		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
53	0-12	br si w/sh		None		
	12-23	r br si w/sh & peb		None		
54	0-15	br si w/sh		None		
	15-30	r br si w/sh & peb		None		
55	0-17	br si w/sh		None		
	17-34	r br si w/sh & peb		None		
56	0-24	br si w/sh		None		
	24-33	r br si w/sh & peb		None		
57	0-20	br si w/sh		None		
	20-34	r br si w/sh & peb		None		
58	0-18	br si w/sh		None		
	18-35	r br si w/sh & peb		None		
59	0-12	br si w/sh		None		
	12-20	r br si w/sh & peb		None		
60	0-14	br si w/sh		None		
	14-30	r br si w/sh & peb		None		
61	0-10	humus w/dec sh		None		
	10-20	r br si w/sh		None		
62	0-12	humus w/dec sh		None		
	12-32	r br si w/sh		None		
63	0-15	br si w/sh		None		
	15-40	r br si w/sh & peb		None		
64	0-2	dk br si		None		
	2-20	y br si w/cob & peb		None		
65	0-6	dk br si		None		
	6-25	y br si w/cob & peb		None		
66	0-6	dk br si		None		
	6-30	y br si w/cob & peb		None		
67	0-7	v dk br si		None		
	7-25	y br si w/cob		None		
68	0-30	dk br si w/cob		None		
	30-40	y br si w/cob		None		
69	0-4	dk br si w/cob		None		
	4-25	y br si w/cob		None		
70	0-8	dk br si w/cob		None		
	8-30	y br si w/cob		None		
71	0-13 (bedrock)	dk br si w/sh		None		
72	0-2	dk br si w/sh & cob		None		
	2-27	y br si w/sh & cob		None		
73	0-4	dk br si w/sh & cob		None		
	4-20	y br si w/cob		None		
74	0-3	br si w/sh		None		
	3-23	y br si w/sh		None		
75	0-2	br si w/sh		None		
	2-20	y br si w/sh		None		
76	0-2	br si w/sh		None		
	2-23	y br si w/sh		None		
77	0-4	dk br si w/sh & cob		None		
	4-28	y br si w/sh & cob		None		
78	0-25	dk br si w/sh & cob		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
	25-35	y br si w/sh & cob		None		
79	0-18	dk br si w/sh & cob		None		
	18-24	y br si w/sh & cob		None		
80	0-10	dk br si w/sh & cob		None		
	10-28	y br si w/sh & cob		None		
81	0-25	dk br si w/sh		None		
	25-34	y br si w/sh		None		
82	0-3	dk br si w/sh		None		
	3-20	y br si w/sh		None		
83	0-2	humus w/dec sh		None		
	2-20	br si w/dec sh & peb		None		
84	0-8	br si w/sh		None		
	8-16	y br si w/sh		None		
85	0-11	br si w/sh		None		
	11-24	y br si w/sh		None		
86	0-14	br si w/sh		None		
	14-32	y br si w/sh		None		
87	0-12	br si w/sh		None		
	12-26	y br si w/sh		None		
88	0-16	br si w/sh		None		
	16-28	y br si w/sh		None		
89	0-16	br si w/sh		None		
	16-32	y br si w/sh		None		
90	0-14	br si w/sh		None		
	14-38	y br si w/sh		None		
91	0-8	dk br si w/cob		None		
	8-41	y br si w/cob		None		
92	0-9	dk br si w/cob		None		
	9-32	y br si w/cob		None		
93	0-5	bl humus		None		
	5-25	y br si w/sh & cob		None		
94	0-10	dk br si w/sh & cob		None		
	10-31	y br si w/sh & cob		None		
95	0-11	br si w/sh & cob		None		
	11-24	y br si w/sh & cob		None		
96	0-13	br si w/sh & cob		None		
	13-27	y si w/sh & cob		None		
97	0-17	br si w/sh & cob		None		
	17-29	y si w/sh		None		
98	0-13	br si w/sh		None		
	13-26	p y si w/sh		None		
99	0-12	br si w/sh		None		
	12-23	p y si w/sh		None		
100	0-14	br si w/sh		None		
	14-28	p y si w/sh		None		
101	0-20 (water)	v dk br/bl si cl		None		
102	0-22(water)	v dk br/bl si cl		None		
103	0-16	dk br si cl		None		
	16-25	y br si		None		
104	0-18	dk br si cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
	18-25	y br si		None		
105	0-20(water)	v dk br/bl si cl		None		
106	0-29(water)	v dk br/bl si cl		None		
107	0-21(water)	v dk br/bl si cl		None		
108	0-18	v dk br si w/rk		None		
	18-29	y br si		None		
109	0-23	dk br si w/rk		None		
	23-30	y br si		None		
110	0-21	dk br si w/rk		None		
	21-29	y br si		None		
111	0-23	dk br si w/rk		None		
	23-28	y br si		None		
112	0-20	dk br si w/rk		None		
	20-28	y br si		None		
113	0-24	dk br si w/rk		None		
	24-32	y br si w/rk		None		
114	0-22	dk br si w/rk		None		
	22-34	y br si w/rk		None		
115	0-24	dk br si w/rk		None		
	24-37	y br si w/rk		None		
116	0-27	dk br si w/rk		None		
	27-37	y br si w/cl & rk		None		
117	0-21	dk br si w/rk		None		
	21-35	y br si w/rk		None		
118	0-23	dk br si w/rk		None		
	23-37	y br si		None		
119	0-18	dk br si		None		
	18-33	y br si		None		
120	0-24	dk br si		None		
	24-32	y br si		None		
121	0-25	dk br si w/rk		None		
	25-36	y br si		None		
122	0-26	dk br si w/rk		None		
	26-36	y br si		None		
123	0-22	dk br si w/rk		None		
	22-31	y br si		None		
124	0-21	dk br si w/rk		None		
	21-32	y br si		None		
125	0-24	dk br si w/rk		None		
	24-30	y br si		None		
126	0-20	dk br si w/rk		None		
	20-38	y br si		None		
127	0-24	dk br si w/rk		None		
	24-34	y br si		None		
128	0-13	dk br si w/rk		None		
	13-23	y br si		None		
129	0-23	dk br si w/rk		None		
	23-30	y br si		None		
130	0-24	dk br si w/rk		None		
	24-37	y b si w/rk		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
131	0-25	dk br si w/rk		None		
	25-35	y b si w/rk		None		
132	0-23	dk br si w/rk		None		
	23-32	y b si w/rk		None		
133	0-26	dk br si w/rk		None		
	26-36	y b si w/rk		None		
134	0-27	dk br si w/rk		None		
	27-36	y b si w/rk		None		
135	0-24	dk g br si w/rk		None		
	24-37	y b si w/rk		None		
136	0-25	dk g br si w/rk		None		
	25-35	y b si w/rk		None		
137	0-23	humus		None		
	23-33	g cl w/irn dep		None		
138	0-3	humus		None		
	3-31	g cl w/irn dep		None		
139	0-27	g br si cl		None		
	27-37	g cl w/irn dep		None		
140	0-18	dk g br cl		None		
	18-23	l g cl w/br mot		None		
141	0-11	dk g br cl		None		
	11-20	l g cl w/br mot		None		
142	0-20	dk g br cl		None		
	20-25	mot cl		None		
143	0-25	dk g br cl		None		
	25-28	mot cl		None		
144	0-22	dk g br cl		None		
	22-26	mot cl		None		
145	0-30/water	dk br si		None		
146	0-27	v dk br si w/peb		None		
	27-34	y br si w/peb		None		
147	0-27/water	v dk br si cl		None		
148	0-34/water	g br si cl w/irn dep		None		
149	0-30/water	g br si cl w/irn dep		None		
150	0-21	dk g br cl		None		
	21-25	mot g br cl		None		
151	0-23	dk g br cl		None		
	23-26	mot g br cl		None		
152	0-18	dk br cl		None		
	18-24	y br cl		None		
153	0-29	dr br cl		None		
	29-33	y br cl		None		
154	0-25	dk br cl		None		
	25-33	y br cl		None		
155	0-22	dk br cl		None		
	22-37	y br cl		None		
156	0-18	dk br cl		None		
	18-36	y br cl		None		
157	0-15	dk br cl		None		
	15-35	y br cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
158	0-15	dk br cl		None		
	15-30	y br cl		None		
159	0-17	dk br si cl		None		
	17-37	y br si		None		
160	0-19	dk br si cl		None		
	19-26	y br si		None		
161	0-23	dk br si cl		None		
	23-35	y br si		None		
162	0-25	dk br si cl		None		
	25-37	y br si		None		
163	0-22	dk br si cl w/rk		None		
	22-34	y br si w/peb		None		
164	0-13	dk br si cl w/rk		None		
	13-28	y br si w/peb		None		
165	0-13	br si cl w/rk		None		
	13-29	y br si w/peb		None		
166	0-15	br si cl w/rk		None		
	15-32	y br si w/peb		None		
167	0-26	br si cl w/rk		None		
	26-36	y br si w/peb		None		
168	0-23	br si cl w/rk		None		
	23-31	y br si w/peb		None		
169	0-20	br si cl w/rk		None		
	20-33	y br si w/peb		None		
170	0-22	br si cl w/rk		None		
	22-33	y br si w/peb		None		
171	0-16	br si cl w/rk		None		
	16-28	y br si w/peb		None		
172	0-23	br si cl w/rk		None		
	23-32	y br si w/peb		None		
173	0-23	br si cl w/rk		None		
	23-30	y br si w/peb		None		
174	0-23	br si cl w/rk		None		
	23-34	y br si w/peb		None		
175	0-25	br si cl w/rk		None		
	25-35	y br si w/peb		None		
176	0-22	br si cl w/rk		None		
	22-34	y br si w/rk		None		
177	0-16	br si cl w/rk		None		
	16-27	y br si cl w/rk		None		
178	0-12	br si w/rk		None		
	12-20	y b si w/rk		None		
179	0-22	br si w/rk		None		
	22-30	y br si w/rk		None		
180	0-17	br si w/rk		None		
	17-25	y br si w/rk		None		
181	0-12	br si w/rk		None		
	12-20	y br si w/rk		None		
182	0-18	br si w/rk		None		
	18-26	ol y cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
183	0-18	br si w/rk		None		
	18-26	ol y cl		None		
184	0-19	br si w/rk		None		
	19-27	ol y cl		None		
185	0-21	br si w/rk		None		
	21-28	ol y cl		None		
186	0-25	br si		None		
	25-33	y br si		None		
187	0-22	br si		None		
	22-30	y br si		None		
188	0-18	br si		None		
	18-20	y br si		None		
189	0-27	br si		None		
	27-35	p y br si		None		
190	0-27	br si		None		
	27-35	y br si		None		
191	0-26	br si		None		
	26-34	y br si		None		
192	0-28	br si		None		
	28-36	y br si		None		
193	0-28	br si w/rk		None		
	28-36	y br si w/rk		None		
194	0-26	br si w/rk		None		
	26-34	y br si w/rk		None		
195	0-25	br si w/rk		None		
	25-33	y br si w/rk		None		
196	0-27	br si w/rk		None		
	27-35	y br si w/rk		None		
197	0-25	br si w/rk		None		
	25-33	y br si w/rk		None		
198	0-21	br si w/rk		None		
	21-29	y br si w/rk		None		
199	0-23	br si w/rk		None		
	23-31	y br si w/rk		None		
200	0-25	br si w/rk		None		
	25-34	y br si w/rk		None		
201	0-27	br si w/rk		None		
	27-35	y br si w/rk		None		
202	0-26	br si w/rk		None		
	26-35	y br si w/rk		None		
203	0-24	br si w/rk		None		
	24-33	y br si w/rk		None		
204	0-22	br si w/rk		None		
	22-35	y br si w/rk		None		
205	0-19	br si w/cl &rk		None		
	19-29	y br si w/cl & peb		None		
206	0-20	dk br si w/cl &rk		None		
	20-29	y br si w/cl & peb		None		
207	0-18	dk br si w/cl &rk		None		
	18-29	y br si w/cl & peb		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
208	0-20	g br si cl w/peb		None		
	20-30	y br cl w/peb		None		
209	0-19	g br si cl w/peb		None		
	19-26	y br cl w/peb		None		
210	0-23	g br si cl w/peb		None		
	23-30	y br cl w/peb		None		
211	0-22	g br si cl w/peb		None		
	22-32	y br cl w/peb		None		
212	0-24	g br si cl w/peb		None		
	24-35	y br cl w/peb		None		
213	0-21	g br si cl w/peb		None		
	21-27	y br cl w/peb		None		
214	0-28	g br si cl w/peb		None		
	28-36	y br cl w/peb		None		
215	0-22	g br si cl w/peb		None		
	22-34	y br cl w/peb		None		
216	0-22	dk br si w/cl & rk		None		
	22-33	y br si w/cl & rk		None		
217	0-24	dk br si w/cl & rk		None		
	24-34	y br si w/cl & rk		None		
218	0-23	dk br si w/cl & rk		None		
	23-35	y br si w/cl & rk		None		
219	0-20	dk br si w/cl & rk		None		
	20-29	y br si w/cl & rk		None		
220	0-17	dk br si w/cl & rk		None		
	17-29	y br si w/cl & rk		None		
221	0-21	dk br si w/cl & rk		None		
	21-31	y br si w/cl & rk		None		
222	0-22	v dk br si cl w/rk		None		
	22-31	y br si cl w/rk		None		
223	0-20	v dk br si cl w/rk		None		
	20-31	y br si cl w/rk		None		
224	0-19	v dk br si cl w/rk		None		
	19-30	y br si cl w/rk		None		
225	0-19	v dk br si cl w/rk		None		
	19-29	y br si cl w/rk		None		
226	0-22	v dk br si cl w/rk		None		
	22-33	y br si cl w/rk		None		
227	0-20	v dk br si cl w/rk		None		
	20-27	y br si cl w/rk		None		
228	0-19	v dk br si cl w/rk		None		
	19-26	y br si cl w/rk		None		
229	0-22	v dk br si cl w/rk		None		
	22-32	y br si cl w/rk		None		
230	0-24	v dk br si cl w/rk		None		
	24-31	y br si cl w/rk		None		
231	0-20	v dk br si cl w/rk		None		
	20-34	y br si cl w/rk		None		
232	0-20	dk br si cl w/peb		None		
	20-27	y br si cl w/peb		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
233	0-20	br si w/cl & rk		None		
	20-34	y br si w/cl		None		
234	0-21	br si w/cl & rk		None		
	21-31	y br si w/cl		None		
235	0-20	br si w/cl & rk		None		
	20-33	y br si w/cl		None		
236	0-19	br si w/cl & rk		None		
	19-31	y br si w/cl		None		
237	0-22	br si w/cl & rk		None		
	22-32	y br si w/cl		None		
238	0-20	br si w/cl & rk		None		
	20-31	y br si w/cl		None		
239	0-18	br si w/cl & rk		None		
	18-32	y br si w/cl		None		
240	0-19	br si w/cl & rk		None		
	19-34	y br si w/cl		None		
241	0-22	br si w/cl & rk		None		
	22-33	y br si w/cl		None		
242	0-20	br si w/cl & rk		None		
	20-27	y br si w/cl		None		
243	0-22	br si w/cl & rk		None		
	22-30	y br si w/cl		None		
244	0-19	br si w/cl & rk		None		
	19-29	y br si w/cl		None		
245	0-14	br si w/cl & rk		None		
	14-29	y br si w/cl		None		
246	0-20	dk br si w/cl & rk (wet)		None		
	20-29	y br cl (wet)		None		
247	0-19	dk br si cl w/rk & sh		None		
	19-31	y br si cl		None		
248	0-20	dk br si cl w/rk & sh		None		
	20-29	y br si cl w/sh		None		
249	0-21	dk br si cl w/rk & sh		None		
	21-29	y br si cl		None		
250	0-20	dk br si cl w/rk & sh		None		
	20-27	y br si cl w/sh		None		
251	0-22	dk br si cl w/rk & sh		None		
	22-31	y br si cl w/sh		None		
252	0-21	dk br si cl w/rk & sh		None		
	21-30	y br si cl w/sh		None		
253	0-20	dk br si cl w/rk & sh		None		
	20-29	y br si cl w/sh		None		
254	0-19	dk br si cl w/rk & sh		None		
	19-30	y br si cl w/sh		None		
255	0-21	dk br si cl w/rk & sh		None		
	21-29	y br si cl w/sh		None		
256	0-18	dk br si w/cl		None		
	18-30	y br si cl		None		
257	0-19	dk br si w/cl		None		
	19-29	y br si cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
258	0-16	dk br si w/cl		None		
	16-28	y br si cl		None		
259	0-14	dk g ol si cl		None		
	14-27	y br si w/rk		None		
260	0-20	dk br si cl		None		
	20-21	y br si cl		None		
261	0-20	dk br si cl		None		
	20-29	y br si cl		None		
262	0-14	dk g ol si cl		None		
	14-29	y br cl		None		
263	0-10	dk br sh and peb		None		
	10-20	y br sh & peb		None		
264	0-24	br si		None		
	24-34	y br si w/cl		None		
265	0-25	br si		None		
	25-34	y br si w/cl		None		
266	0-21	br si		None		
	21-39	y br si w/cl		None		
267	0-27	br si		None		
	27-36	y br si w/cl		None		
268	0-22	br si		None		
	22-30	y br si w/cl		None		
269	0-23	br si		None		
	23-31	y br si w/cl		None		
270	0-23	br si		None		
	23-32	y br si w/cl		None		
271	0-18	br si		None		
	18-26	y br si w/cl		None		
272	0-12	br si		None		
	12-20	y br si w/cl		None		
273	0-13	br si		None		
	13-20	y br si w/cl		None		
274	0-23	br si		None		
	23-31	y br si w/cl		None		
275	0-27	br si		None		
	27-36	y br si w/cl		None		
276	0-26	br si		None		
	26-35	y br si w/cl		None		
277	0-27	br si		None		
	27-36	y br si w/cl		None		
278	0-14	br si		None		
	14-32	y br si w/cl		None		
279	0-13	br si		None		
	13-21	y br si w/cl		None		
280	0-20	dk br si		None		
	20-28	y br si cl		None		
281	0-23	dk br si		None		
	23-31	y br si cl		None		
282	0-21	dk br si		None		
	21-29	y br si cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
283	0-24	dk br si		None		
	24-32	y br si cl		None		
284	0-26	dk br si		None		
	26-34	y br si cl		None		
285	0-21	dk br si		None		
	21-30	y br si cl		None		
286	0-13	dk br si		None		
	13-21	y br si cl		None		
287	0-12	dk br si		None		
	12-20	y br si cl		None		
288	0-14	dk br si		None		
	14-22	y br si cl		None		
289	0-18	br si		None		
	18-28	y br si cl		None		
290	0-13	dk g ol si cl		None		
	13-21	y b si cl		None		
291	0-14	dk g ol si cl		None		
	14-22	y b si cl		None		
292	0-23	dk br si		None		
	23-31	y br si cl		None		
293	0-26	dk br si		None		
	26-35	y br si cl		None		
294	0-24	dk br si		None		
	24-32	y br si cl		None		
295	0-25	dk br si		None		
	25-33	y br si cl		None		
296	0-22	dk br si		None		
	22-30	y br si cl		None		
297	0-20	v dk br si cl w/rk		None		
	20-30	y br si cl		None		
298	0-20	v dk br si cl w/rk		None		
	20-29	y br si cl		None		
299	0-19	v dk br si cl w/rk		None		
	19-31	y br si cl		None		
300	0-20	v dk br si cl w/rk		None		
	20-27	y br si cl		None		
301	0-20	v dk br si cl w/rk		None		
	20-26	y br si cl		None		
302	0-19	v dk br si cl w/rk		None		
	19-31	y br si cl		None		
303	0-22	v dk br si cl w/rk		None		
	22-30	y br si cl		None		
304	0-20	v dk br si cl w/rk		None		
	20-30	y br si cl		None		
305	0-19	v dk br si cl w/rk		None		
	19-29	y br si cl		None		
306	0-18	v dk br si cl w/rk		None		
	18-30	y br si cl		None		
307	0-19	v dk br si cl w/rk		None		
	19-27	y br si cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
308	0-20	v dk br si cl w/rk		None		
	20-29	y br si cl		None		
309	0-19	g ol si cl		None		
	19-29	y br cl		None		
310	0-20	g ol si cl		None		
	20-27	y br cl		None		
311	0-19	g ol si cl		None		
	19-29	y br cl		None		
312	0-17	g ol si cl		None		
	17-29	y br cl		None		
313	0-16	g ol si cl		None		
	16-31	y br cl		None		
314	0-19	g ol si cl		None		
	19-27	y br cl		None		
315	0-18	v dk br cl w/rk		None		
	18-29	y br si cl		None		
316	0-19	v dk br cl w/rk		None		
	19-29	y br si cl		None		
317	0-19	v dk br cl w/rk		None		
	19-26	y br si cl		None		
318	0-20	v dk br cl w/rk		None		
	20-27	y br si cl		None		
319	0-22	v dk br cl w/rk		None		
	22-32	y br si cl		None		
320	0-23	v dk br cl w/rk		None		
	23-31	y br si cl		None		
321	0-14	v dk br cl w/rk		None		
	14-29	y br si cl		None		
322	0-27	v dk g br cl si		None		
	27-37	y br si		None		
323	0-22	dk br si w/peb & cob		None		
	22-32	y br si w/peb & cob		None		
324	0-20	dk br si w/peb & cob		None		
	20-34	y br si w/peb & cob		None		
325	0-23	dk br si w/peb & cob		None		
	23-34	y br si w/peb & cob		None		
326	0-22	dk br si w/cob		None		
	22-31	y br si w/cob		None		
327	0-22	dk br si w/cob		None		
	22-29	y br si w/cob		None		
328	0-24	v dk g br si w/rk		None		
	24-34	y br si		None		
329	0-22	dk br si w/peb & cob		None		
	22-34	y br si w/rk		None		
330	0-24	dk br si w/peb & cob		None		
	24-31	y br si w/rk		None		
331	0-24	dk br si w/peb & cob		None		
	24-37	y br si w/rk		None		
332	0-24	dk br si w/peb & cob		None		
	24-34	y br si w/rk		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
333	0-20	dk br si w/peb & cob		None		
	20-30	y br si w/rk		None		
334	0-21	dk br si w/cl		None		
	21-29	y br si w/cl		None		
335	0-20	dk br si w/cl		None		
	20-30	y br si w/cl		None		
336	0-22	dk br si w/cl		None		
	22-34	y br si w/cl		None		
337	0-21	dk br si w/cl		None		
	21-32	y br si w/cl		None		
338	0-20	dk br si w/cl		None		
	20-34	y br si w/cl		None		
339	0-22	dk br si w/cl		None		
	22-31	y br si w/cl		None		
340	0-20	dk br si w/cl		None		
	20-29	y br si w/cl		None		
341	0-19	dk br si w/cl		None		
	19-30	y br si w/cl		None		
342	0-20	dk br si w/cl		None		
	20-30	y br si w/cl		None		
343	0-21	dk br si w/cl		None		
	21-31	y br si w/cl		None		
344	0-20	dk br si w/cl		None		
	20-33	y br si w/cl		None		
345	0-22	dk br si w/cl		None		
	22-32	y br si w/cl		None		
346	0-23	br si		None		
	23-31	y br si w/cl		None		
347	0-23	br si		None		
	23-31	y br si w/cl		None		
348	0-24	br si		None		
	24-32	y br si w/cl		None		
349	0-22	br si		None		
	22-37	y br si w/cl		None		
350	0-10	br si		None		
	10-20	y br si w/cl		None		
351	0-24	br si		None		
	24-32	y br si w/cl		None		
352	0-20	br si		None		
	20-29	y br si w/cl		None		
353	0-24	br si		None		
	24-32	y br si w/cl		None		
354	0-21	br si		None		
	21-30	y br si w/cl		None		
355	0-23	br si		None		
	23-32	y br si w/cl		None		
356	0-28	br si		None		
	28-36	y br si w/cl		None		
357	0-25	br si		None		
	25-33	y br si w/cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
358	0-23	br si		None		
	23-31	y br si w/cl		None		
359	0-21	br si		None		
	21-28	y br si w/cl		None		
360	0-27	dk g si		None		
	27-39	y br si		None		
361	0-21	br si w/peb & cob		None		
	21-30	y br si		None		
362	0-22	br si w/peb & cob		None		
	22-31	y br si		None		
363	0-22	br si w/peb & cob		None		
	22-30	y br si		None		
364	0-16	br si w/peb & cob		None		
	16-25	y br si		None		
365	0-16	br si w/peb & cob		None		
	16-24	y br si		None		
366	0-26	br si w/peb & cob		None		
	26-34	y br si		None		
367	0-24	br si w/peb & cob		None		
	24-33	y br si		None		
368	0-24	br si w/peb & cob		None		
	24-33	y br si		None		
369	0-28	br si w/cl		None		
	28-36	y br si		None		
370	0-23	br si w/cl		None		
	23-31	y br si		None		
371	0-21	br si w/cl		None		
	21-29	y br si		None		
372	0-21	br si w/cl		None		
	21-30	y br si		None		
373	0-22	br si w/cl		None		
	22-34	y br si		None		
374	0-25	br si w/cl		None		
	25-34	y br si		None		
375	0-23	br si w/cl		None		
	23-32	y br si		None		
376	0-20	br si w/cl		None		
	20-31	y br si		None		
377	0-18	br si w/cl		None		
	18-33	y br si		None		
378	0-16	br si w/cl		None		
	16-29	y br si		None		
379	0-19	br si w/rk		None		
	19-31	y br si cl		None		
380	0-26	br si w/rk		None		
	26-34	y br si cl		None		
381	0-24	br si w/rk		None		
	24-34	y br si cl		None		
382	0-23	br si w/rk		None		
	23-35	y br si cl		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
383	0-19	br si w/rk		None		
	19-30	y br si cl		None		
384	0-16	dk br si w/rk		None		
	16-25	y br si cl w/peb & cob		None		
385	0-15	dk br si w/rk		None		
	15-23	y br si cl w/peb & cob		None		
386	0-15	dk br si w/rk		None		
	15-24	y br si cl w/peb & cob		None		
387	0-18	dk br si w/rk		None		
	18-27	y br si cl w/peb & cob		None		
388	0-17	dk br si w/rk		None		
	17-26	y br si cl w/peb & cob		None		
389	0-20	dk br si w/rk		None		
	20-28	y br si cl w/peb & cob		None		
390	0-18	dk br si w/rk		None		
	18-27	y br si cl w/peb & cob		None		
391	0-21	dk br si w/rk		None		
	21-30	y br si cl w/peb & cob		None		
392	0-19	dk br si w/rk		None		
	19-27	y br si cl w/peb & cob		None		
393	0-23	dk br si w/rk		None		
	23-32	y br si cl w/peb & cob		None		
394	0-21	dk br si w/rk		None		
	21-30	y br si cl w/peb & cob		None		
395	0-24	dk br si w/rk		None		
	24-32	y br si cl w/cob		None		
396	0-23	dk br si w/rk		None		
	23-31	y br si cl w/cob		None		
397	0-25	dk br si w/rk		None		
	25-33	y br si cl w/cob		None		
398	0-21	dk br si w/rk		None		
	21-30	y br si cl w/cob		None		
399	0-23	dk br si w/rk		None		
	23-31	y br si cl w/cob		None		
400	0-20	dk br si w/rk		None		
	20-28	y br si cl w/cob		None		
401	0-21	dk br si w/rk		None		
	21-29	y br si cl w/cob		None		
402	0-18	dk br si w/rk		None		
	18-26	y br si cl w/cob		None		
403	0-13	dk br si w/rk		None		
	13-21	y br si cl w/cob		None		
404	0-15	dk br si w/rk		None		
	15-23	y br si cl w/cob		None		
405	0-12	dk br si w/rk		None		
	12-21	y br si cl w/cob		None		
406	0-14	dk br si w/rk		None		
	14-23	y br si cl w/cob		None		
407	0-11	dk br si w/rk		None		
	11-20	y br si cl w/cob		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
408	0-14	dk br si		None		
	14-24	br y si		None		
409	0-24	dk br si		None		
	24-34	br y si		None		
410	0-20	dk br si		None		
	20-28	br y si		None		
411	0-20	dk br si		None		
	20-28	br y si		None		
412	0-21	dk br si		None		
	21-29	br y si		None		
413	0-23	dk br si		None		
	23-32	br y si		None		
414	0-20	dk br si		None		
	20-30	br y si		None		
415	0-22	dk br si		None		
	22-30	br y si		None		
416	0-22	dk br si		None		
	22-30	br y si		None		
417	0-21	dk br si		None		
	21-30	br y si		None		
418	0-20	dk br si		None		
	20-32	br y si		None		
419	0-22	dk br si		None		
	22-34	br y si		None		
420	0-23	dk br si		None		
	23-31	br y si		None		
421	0-10	dk y br si		None		
	10-27	ol br si		None		
422	0-12	dk y br si		None		
	12-25	ol br si		None		
423	0-14	dk y br si		None		
	14-28	ol br si		None		
424	0-15	dk y br si w/rk		None		
	15-29	ol br si		None		
425	0-16	dk y br si		None		
	16-28	ol br si		None		
426	0-16	dk y br si		None		
	16-30	ol br si		None		
427	0-16	dk y br si		None		
	16-32	ol br si		None		
428	0-17	dk y br si		None		
	17-30	ol br si		None		
429	0-16	dk y br si		None		
	16-30	ol br si		None		
430	0-12	dk y br si		None		
	12-26	ol br si		None		
431	0-30	dk y br si		None		
	30-40	ol br si		None		
432	0-16	dk y br si		None		
	16-29	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
433	0-17	dk y br si		None		
	17-30	ol br si		None		
434	0-20	dk y br si w/rk & peb		None		
	20-30	ol br si w/cob		None		
435	0-18	dk y br si w/rk & peb		None		
	18-30	ol br si w/cob		None		
436	0-23	dk y br si w/rk & peb		None		
	23-33	ol br si w/cob		None		
437	0-17	dk y br si w/rk & peb		None		
	17-32	ol br si w/cob		None		
438	0-19	dk y br si w/rk & peb		None		
	19-28	ol br si w/cob		None		
439	0-17	dk y br si w/rk & peb		None		
	17-27	ol br si w/cob		None		
440	0-20	dk y br si		None		
	20-30	br y si		None		
441	0-18	dk y br si		None		
	18-29	br y si		None		
442	0-21	dk y br si		None		
	21-32	l ol br si w/grv		None		
443	0-19	dk y br si		None		
	19-32	l ol br si w/grv		None		
444	0-24	dk y br si		None		
	24-34	l ol br si w/grv		None		
445	0-18	dk y br si		None		
	18-28	l ol br si w/grv		None		
446	0-23	dk y br si w/peb & cob		None		
	23-33	l ol br si w/sh & grv		None		
447	0-25	dk y br si w/peb & cob		None		
	25-35	l ol br si w/sh & grv		None		
448	0-21	dk y br si w/rk & grv		None		
	21-31	br y si w/rk		None		
449	0-21	dk y br si w/rk & grv		None		
	21-31	br y si w/rk		None		
450	0-24	dk y br si w/rk & grv		None		
	24-34	br y si w/rk		None		
451	0-20	dk y br si w/rk & grv		None		
	20-30	ol br si w/rk		None		
452	0-21	dk y br si w/rk & grv		None		
	21-31	ol br si w/rk		None		
453	0-15	dk y br si w/ rk & grv		None		
	15-28	ol br si w/grv		None		
454	0-24	dk y br si w/ rk & grv		None		
	24-34	ol br si w/grv		None		
455	0-16	dk y br si w/ rk & grv		None		
	16-28	ol br si w/grv		None		
456	0-17	dk y br si w/ rk & grv		None		
	17-30	ol br si w/grv		None		
457	0-23	dk y br si w/ rk & grv		None		
	23-33	ol br si w/grv		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
458	0-19	dk y br si w/ rk & grv		None		
	19-29	ol br si w/grv		None		
459	0-20	dk y br si w/ rk & grv		None		
	20-31	ol br si w/grv		None		
460	0-22	dk y br si w/ rk & grv		None		
	22-32	ol br si w/grv		None		
461	0-21	dk y br si w/ rk & grv		None		
	21-31	ol br si w/grv		None		
462	0-20	dk y br si w/ rk & grv		None		
	20-30	ol br si w/grv		None		
463	0-23	dk y br si w/ rk & grv		None		
	23-33	ol br si w/grv		None		
464	0-22	dk y br si w/ rk & grv		None		
	22-32	ol br si w/grv		None		
465	0-21	dk y br si		None		
	21-31	b y si		None		
466	0-21	dk y br si		None		
	21-30	b y si		None		
467	0-23	dk y br si		None		
	23-30	b y si		None		
468	0-10	dk y br si		None		
	10-17	b y si		None		
469	0-20	dk y br si		None		
	20-30	b y si		None		
470	0-9	dk y br si		None		
	9-19	b y si		None		
471	0-25	dk y br si		None		
	25-35	b y si		None		
472	0-25	dk y br si		None		
	25-35	b y si		None		
473	0-22	dk y br si		None		
	22-32	b y si		None		
474	0-10	dk y br si		None		
	10-20	b y si		None		
475	0-8	dk y br si		None		
	8-18	ol br si		None		
476	0-18	dk y br si		None		
	18-28	ol br si		None		
477	0-20	dk y br si		None		
	20-30	ol br si		None		
478	0-20	dk y br si		None		
	20-30	ol br si		None		
479	0-9	dk y br si		None		
	9-18	ol br si		None		
480	0-9	dk y br si		None		
	9-18	ol br si		None		
481	0-18	dk y br si		None		
	18-28	ol br si		None		
482	0-23	dk y br si		None		
	23-38	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
483	0-14	dk y br si		None		
	14-24	ol br si		None		
484	0-11	dk y br si		None		
	11-21	ol br si		None		
485	0-17	dk y br si		None		
	17-26	ol br si		None		
486	0-20	dk y br si		None		
	20-30	ol br si		None		
487	0-5	dk y br si		None		
	5-15	ol br si		None		
488	0-18	dk y br si		None		
	18-28	ol br si		None		
489	0-20	dk y br si		None		
	20-30	ol br si		None		
490	0-18	dk y br si		None		
	18-28	ol br si		None		
491	0-18	dk y br si		None		
	18-29	ol br si		None		
492	0-22	dk y br si		None		
	22-32	br y si		None		
493	0-20	dk y br si		None		
	20-30	ol br si		None		
494	0-19	dk y br si		None		
	19-29	ol br si		None		
495	0-15	dk y br si		None		
	15-25	ol br si		None		
496	0-18	dk y br si		None		
	18-28	ol br si		None		
497	0-17	dk y br si		None		
	17-27	ol br si		None		
498	0-18	dk y br si		None		
	18-28	ol br si		None		
499	0-10	dk y br si		None		
	10-20	ol br si		None		
500	0-12	dk y br si		None		
	12-22	ol br si		None		
501	0-17	dk y br si		None		
	17-29	ol br si		None		
502	0-19	dk y br si		None		
	19-28	ol br si		None		
503	0-16	dk y br si		None		
	16-28	ol br si		None		
504	0-12	dk y br si		None		
	12-22	ol br si		None		
505	0-13	dk y br si		None		
	13-23	ol br si		None		
506	0-16	dk y br si		None		
	16-26	ol br si		None		
507	0-7	dk y br si		None		
	7-21	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
508	0-9	dk y br si		None		
	9-19	ol br si		None		
509	0-12	dk y br si		None		
	12-22	ol br si		None		
510	0-7	dk y br si		None		
	7-17	ol br si		None		
511	0-10 (rock)	dk y br si		None		
512	0-5	dk y br si		None		
	5-10	ol br si		None		
513	0-12	dk y br si		None		
	12-22	ol br si		None		
514	0-10	dk y br si		None		
	10-20	ol br si		None		
515	0-10	dk br si		None		
	10-20	ol br si		None		
516	0-11	dk br si		None		
	11-21	ol br si		None		
517	0-8	dk br si		None		
	8-18	ol br si		None		
518	0-14	dk br si		None		
	14-24	ol br si		None		
519	0-12	dk br si		None		
	12-20	ol br si		None		
520	0-17	dk br si		None		
	17-26	ol br si		None		
521	0-17	dk br si		None		
	17-27	ol br si		None		
522	0-16	dk br si		None		
	16-25	ol br si		None		
523	0-15 (rock)	dk br si		None		
524	0-15	dk br si		None		
	15-25	ol br si		None		
525	0-15	dk br si		None		
	15-25	ol br si		None		
526	0-5	dk br si		None		
	5-15	ol br si w/cl		None		
527	0-8	dk br si		None		
	8-18	ol br si		None		
528	0-10	dk br si		None		
	10-20	ol br si		None		
529	0-10	dk br si		None		
	10-20	ol br si		None		
530	0-10	dk br si		None		
	10-20	ol br si		None		
531	0-11	dk br si		None		
	11-20	ol br si		None		
532	0-7	dk br si		None		
	7-17	ol br si		None		
533	0-8	dk br si		None		
	8-18	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
534	0-14	dk br si		None		
	14-24	ol br si		None		
535	0-12	dk br si		None		
	12-21	ol br si		None		
536	0-9	dk br si		None		
	9-18	ol br si		None		
537	0-9	dk br si		None		
	9-19	ol br si		None		
538	0-6	dk br si w/peb & cob		None		
	6-15	ol br si w/cob		None		
539	0-7	dk br si w/peb & cob		None		
	7-17	ol br si w/cob		None		
540	0-9	dk br si		None		
	9-19	ol br si		None		
541	0-7	dk br si		None		
	7-17	ol br si		None		
542	0-7	dk br si		None		
	7-17	ol br si		None		
543	0-8	dk br si		None		
	8-17	ol br si		None		
544	0-8	dk br si		None		
	8-17	ol br si		None		
545	0-8	dk br si w/rk		None		
	8-18	ol br si		None		
546	0-8	dk br si w/rk		None		
	8-17	ol br si		None		
547	0-9	dk br si w/rk		None		
	9-18	ol br si		None		
548	0-7	dk br si		None		
	7-20	ol br si w/cl		None		
549	0-10	dk y br si		None		
	10-20	ol br si		None		
550	0-9	dk y br si		None		
	9-20	ol br si		None		
551	0-10	dk y br si		None		
	10-23	ol br si		None		
552	0-11	dk y br si		None		
	11-21	ol br si		None		
553	0-14	dk y br si w/peb		None		
	14-24	ol br si		None		
554	0-13	dk y br si w/peb		None		
	13-23	ol br si		None		
555	0-11	dk y br si w/peb		None		
	11-21	ol br si		None		
556	0-11	dk y br si w/peb		None		
	11-21	ol br si		None		
557	0-10	dk y br si w/peb		None		
	10-20	ol br si		None		
558	0-13	dk y br si w/peb		None		
	13-23	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
559	0-9	dk y br si w/peb		None		
	9-19	ol br si		None		
560	0-9	dk y br si w/peb		None		
	9-19	ol br si		None		
561	0-11	dk y br si w/peb		None		
	11-21	ol br si		None		
562	0-12	dk y br si w/peb		None		
	12-22	ol br si		None		
563	0-10	dk y br si w/peb		None		
	10-20	ol br si		None		
564	0-10	dk y br si w/peb		None		
	10-20	ol br si		None		
565	0-11	dk y br si w/peb		None		
	11-21	ol br si		None		
566	0-11	dk y br si w/peb		None		
	11-21	ol br si		None		
567	0-9	dk y br si w/peb		None		
	9-18	ol br si		None		
568	0-12	dk y br si w/peb		None		
	12-21	ol br si		None		
569	0-8	dk y br si w/peb		None		
	8-19	ol br si		None		
570	0-16	dk y br si w/peb		None		
	16-26	ol br si		None		
571	0-10	dk y br si w/peb	1	iron object/plow fragment ?		
	10-20	ol br si		None		
572	0-8	dk y br si w/peb		None		
	8-18	ol br si		None		
573	0-5	dk y br si w/peb		None		
	5-15	ol br si		None		
574	0-7	dk y br si w/peb		None		
	7-17	ol br si		None		
575	0-7	dk y br si w/peb		None		
	7-17	ol br si		None		
576	0-9	dk y br si w/peb		None		
	9-19	ol br si		None		
577	0-6	dk y br si w/peb		None		
	6-17	ol br si		None		
578	0-8	dk y br si w/peb		None		
	8-20	ol br si		None		
579	0-9	dk y br si w/peb		None		
	9-21	ol br si		None		
580	0-8	dk y br si w/peb		None		
	8-21	ol br si		None		
581	0-11	dk y br si w/peb		None		
	11-23	ol br si		None		
582	0-10	dk y br si w/peb		None		
	10-20	ol br si		None		
583	0-6	dk y br si w/peb		None		
	6-25	ol br si		None		

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
584	0-9	dk y br si w/peb		None		
	9-22	ol br si		None		
585	0-10	dk y br si w/peb		None		
	10-22	ol br si		None		
586	0-8	dk y br si w/peb		None		
	8-21	ol br si		None		
587	0-11	dk y br si w/peb		None		
	11-24	ol br si		None		
588	0-9	dk y br si w/peb		None		
	9-19	ol br si		None		
589	0-9	dk y br si w/peb		None		
	9-21	ol br si		None		
590	0-11	dk y br si w/peb		None		
	11-20	ol br si		None		
591	0-5	dk y br si w/peb		None		
	5-15	ol br si		None		
592	0-8	dk y br si w/peb		None		
	8-18	ol br si		None		
593	0-7	dk y br si w/peb		None		
	7-17	ol br si		None		
594	0-7	dk y br si w/peb		None		
	7-17	ol br si		None		
595	0-8	dk y br si w/peb		None		
	8-18	ol br si		None		
596	0-6	dk y br si w/peb		None		
	6-16	ol br si		None		
597	0-7	dk y br si w/peb		None		
	7-17	ol br si		None		
598	0-5	dk y br si w/peb		None		
	5-15	ol br si		None		
599	0-12	dk y br si w/peb		None		
	12-22	ol br si		None		
600	0-10	dk y br si w/peb		None		
	10-20	ol br si		None		
601	0-5	dk y br si w/peb		None		
	5-15	ol br si		None		
602	0-5	dk y br si w/peb		None		
	5-15	ol br si		None		
603	0-11	br si		None		
	11-21	ol br si		None		
604	0-10	br si		None		
	10-20	ol br si		None		
605	0-8	br si		None		
	8-18	ol br si		None		
606	0-8	br si		None		
	8-18	ol br si		None		
607	0-11	br si		None		
	11-21	ol br si		None		
608	0-5	br si		None		
	5-15	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
609	0-9	br si		None		
	9-19	ol br si		None		
610	0-8	br si		None		
	8-18	ol br si		None		
611	0-9	br si		None		
	9-19	ol br si		None		
612	0-11	br si		None		
	11-21	ol br si		None		
613	0-10	br si		None		
	10-20	ol br si		None		
614	0-8	br si		None		
	8-18	ol br si		None		
615	0-10	br si		None		
	10-20	ol br si		None		
616	0-7	br si		None		
	7-17	ol br si		None		
617	0-8	br cl si		None		
	8-18	ol br si		None		
618	0-5	br si		None		
	5-15	ol br si		None		
619	0-4	br si		None		
	4-14	ol br si		None		
620	0-6	br si w/ sh, gw & qz		None		
	6-25	ol br si		None		
621	0-5	br si w/ sh, gw & qz		None		
	5-19	ol br si		None		
622	0-6	br si w/ sh, gw & qz		None		
	6-21	ol br si		None		
623	0-7	br si w/ sh, gw & qz		None		
	7-20	ol br si		None		
624	0-7	br si w/ sh, gw & qz		None		
	7-25	ol br si		None		
625	0-3	br si w/ sh, gw & qz		None		
	3-26	ol br si		None		
626	0-8	br si w/ sh, gw & qz		None		
	8-23	ol br si		None		
627	0-5	br si w/ sh, gw & qz		None		
	5-17	ol br si		None		
628	0-7	br si w/ sh, gw & qz		None		
	7-23	ol br si		None		
629	0-5	br si w/ sh, gw & qz		None		
	5-20	ol br si		None		
630	0-4	br si w/ sh, gw & qz		None		
	4-19	ol br si		None		
631	0-5	br si w/ sh, gw & qz		None		
	5-20	ol br si		None		
632	0-6	br si w/ sh, gw & qz		None		
	6-20	ol br si		None		
633	0-8	br si w/ sh, gw & qz		None		
	8-22	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
634	0-7	br si w/ sh, gw & qz		None		
	7-22	ol br si		None		
635	0-6	br si w/ sh, gw & qz		None		
	6-20	ol br si		None		
636	0-8	br si w/ sh, gw & qz		None		
	8-18	ol br si		None		
637	0-8	br si w/ sh, gw & qz		None		
	8-19	ol br si		None		
638	0-7	br si w/ sh, gw & qz		None		
	7-18	ol br si		None		
639	0-10	br si w/ sh, gw & qz		None		
	10-20	ol br si		None		
640	0-11	br si w/ sh, gw & qz		None		
	11-21	ol br si		None		
641	0-12	br si w/ sh, gw & qz		None		
	12-23	ol br si		None		
642	0-9	br si w/ sh, gw & qz		None		
	9-19	ol br si		None		
643	0-7	br si w/ sh, gw & qz		None		
	7-19	ol br si		None		
644	0-10	br si w/ sh, gw & qz		None		
	10-21	ol br si		None		
645	0-14	br si w/ sh, gw & qz		None		
	14-24	ol br si		None		
646	0-13	br si w/ sh, gw & qz		None		
	13-22	ol br si		None		
647	0-11	br si w/ sh, gw & qz		None		
	11-22	ol br si		None		
648	0-12	br si w/ sh, gw & qz		None		
	12-21	ol br si		None		
649	0-11	br si w/ sh, gw & qz		None		
	11-20	ol br si		None		
650	0-10	br si w/ sh, gw & qz		None		
	10-18	ol br si		None		
651	0-8	br si w/ sh, gw & qz		None		
	8-17	ol br si		None		
652	0-9	br si w/ sh, gw & qz		None		
	9-19	ol br si		None		
653	0-9	br si w/ sh, gw & qz		None		
	9-21	ol br si		None		
654	0-8	br si w/ sh, gw & qz		None		
	8-20	ol br si		None		
655	0-6	br si w/ sh, gw & qz		None		
	6-20	ol br si		None		
656	0-7	br si w/ sh, gw & qz		None		
	7-18	ol br si		None		
657	0-10	br si w/ sh, gw & qz		None		
	10-20	ol br si		None		
658	0-10	br si w/ sh, gw & qz		None		
	10-21	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
659	0-11	br si w/ sh, gw & qz		None		
	11-21	ol br si		None		
660	0-13	br si w/ sh, gw & qz		None		
	13-25	ol br si		None		
661	0-12	br si w/ sh, gw & qz		None		
	12-23	ol br si		None		
662	0-13	br si w/ sh, gw & qz		None		
	13-24	ol br si		None		
663	0-9	br si w/ sh, gw & qz		None		
	9-21	ol br si		None		
664	0-11	br si w/ sh, gw & qz		None		
	11-22	ol br si		None		
665	0-7	br si w/ sh, gw & qz		None		
	7-17	ol br si		None		
666	0-8	br si w/ sh, gw & qz		None		
	8-19	ol br si		None		
667	0-12	br si w/ sh, gw & qz		None		
	12-24	ol br si		None		
668	0-15	br si w/ sh, gw & qz		None		
	15-24	ol br si		None		
669	0-13	br si w/ sh, gw & qz		None		
	13-21	ol br si		None		
670	0-11	br si w/ sh, gw & qz		None		
	11-22	ol br si		None		
671	0-16	br si w/ sh, gw & qz		None		
	16-27	ol br si		None		
672	0-14	br si w/ sh, gw & qz		None		
	14-25	ol br si		None		
673	0-12	br si w/ sh, gw & qz		None		
	12-20	ol br si		None		
674	0-11	br si w/ sh, gw & qz		None		
	11-22	ol br si		None		
675	0-10	br si w/ sh, gw & qz		None		
	10-21	ol br si		None		
676	0-10	br si w/ sh, gw & qz		None		
	10-21	ol br si		None		
677	0-10	br si w/ sh, gw & qz		None		
	10-23	ol br si		None		
678	0-9	br si w/ sh, gw & qz		None		
	9-20	ol br si		None		
679	0-11	br si w/ sh, gw & qz		None		
	11-24	ol br si		None		
680	0-8	dk br si w/ sh, gw & qz		None		
	8-19	ol br si		None		
681	0-7	dk br si w/ sh, gw & qz		None		
	7-16	ol br si		None		
682	0-10	dk br si w/ sh, gw & qz		None		
	10-18	ol br si		None		
683	0-11	dk br si w/ sh, gw & qz		None		
	11-17	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
684	0-13	dk br si w/ sh, gw & qz		None		
	13-21	ol br si		None		
685	0-14	dk br si w/ sh, gw & qz		None		
	14-21	ol br si		None		
686	0-12	dk br si w/ sh, gw & qz		None		
	12-23	ol br si		None		
687	0-11	dk br si w/ sh, gw & qz		None		
	11-25	ol br si		None		
688	0-16	dk br si w/ sh, gw & qz		None		
	16-26	ol br si		None		
689	0-17	dk br si w/ sh, gw & qz		None		
	17-30	ol br si		None		
690	0-18	dk br si w/ sh, gw & qz		None		
	18-27	ol br si		None		
691	0-21	dk br si w/ sh, gw & qz		None		
	21-30	ol br si		None		
692	0-20	dk br si w/ sh, gw & qz		None		
	20-31	ol br si		None		
693	0-9	dk br si w/ sh, gw & qz		None		
	9-19	ol br si		None		
694	0-9	dk br si w/ sh, gw & qz		None		
	9-18	ol br si		None		
695	0-17	dk br si w/ sh, gw & qz		None		
	17-28	ol br si		None		
696	0-21	dk br si w/ sh, gw & qz		None		
	21-36	ol br si		None		
697	0-14	dk br si w/ sh		None		
	14-23	ol br si		None		
698	0-12	dk br si w/ sh		None		
	12-21	ol br si		None		
699	0-18	dk br si w/ sh		None		
	18-27	ol br si		None		
700	0-20	dk br si w/ sh		None		
	20-32	ol br si		None		
701	0-5	dk br si w/ sh		None		
	5-17	ol br si		None		
702	0-16	dk br si w/ sh & qz		None		
	16-24	ol br si w/sh		None		
703	0-20	dk br si w/ sh		None		
	20-32	ol br si		None		
704	0-18	dk br si w/ sh		None		
	18-27	ol br si		None		
705	0-18	dk br si w/ sh		None		
	18-28	ol br si		None		
706	0-17	dk br si w/ sh		None		
	17-28	ol br si		None		
707	0-21	dk br si w/ sh		None		
	21-30	ol br si		None		
708	0-20	dk br si w/ sh		None		
	20-30	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
709	0-10	dk br si w/ sh		None		
	10-18	ol br si		None		
710	0-9	dk br si w/ sh		None		
	9-19	ol br si w/sh		None		
711	0-17	dk br si w/ sh		None		
	17-28	ol br si		None		
712	0-22	dk br si w/ sh		None		
	22-36	ol br si		None		
713	0-25	dk br si w/ sh		None		
	25-33	ol br si		None		
714	0-22	dk br si		None		
	22-34	ol br si		None		
715	0-24	dk br si		None		
	24-35	ol br si		None		
716	0-24	dk br si		None		
	24-33	ol br si		None		
717	0-21	dk br si		None		
	21-33	ol br si		None		
718	0-19	dk br si		None		
	19-29	ol br si		None		
719	0-17	dk br si		None		
	17-28	ol br si		None		
720	0-18	dk br si		None		
	18-29	ol br si		None		
721	0-16	dk br si		None		
	16-26	ol br si		None		
722	0-15	dk br si		None		
	15-26	ol br si		None		
723	0-15	dk br si		None		
	15-25	ol br si		None		
724	0-12	dk br si		None		
	12-24	ol br si		None		
725	0-14	dk br si		None		
	14-25	ol br si		None		
726	0-13	dk br si		None		
	13-27	ol br si		None		
727	0-14	dk br si		None		
	14-26	ol br si		None		
728	0-11	dk br si		None		
	11-24	ol br si		None		
729	0-12	dk br si		None		
	12-24	ol br si		None		
730	0-13	dk br si		None		
	13-25	ol br si		None		
731	0-12	dk br si		None		
	12-24	l ol br si		None		
732	0-13	dk br si		None		
	13-24	l ol br si		None		
733	0-12	dk br si		None		
	12-23	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
734	0-11	dk br si		None		
	11-22	ol br si		None		
735	0-14	dk br si		None		
	14-25	ol br si		None		
736	0-16	dk br si		None		
	16-26	ol br si		None		
737	0-13	dk br si		None		
	13-23	ol br si		None		
738	0-12	dk br si		None		
	12-23	ol br si		None		
739	0-10	dk br si		None		
	10-21	ol br si		None		
740	0-10	dk br si		None		
	10-20	ol br si		None		
741	0-10	dk br si		None		
	10-20	ol br si		None		
742	0-10	dk br si w/sh & rk		None		
	10-21	ol br si		None		
743	0-9	dk br si w/sh & rk		None		
	9-19	ol br si		None		
744	0-10	dk br si w/sh & rk		None		
	10-21	ol br si		None		
745	0-8	dk br si w/sh & rk		None		
	8-20	ol br si		None		
746	0-11	dk br si w/sh & rk		None		
	11-23	ol br si		None		
747	0-10	dk br si w/sh & rk		None		
	10-20	ol br si		None		
748	0-6	dk br si w/sh & rk		None		
	6-20	ol br si		None		
749	0-7	dk br si w/sh & rk		None		
	7-20	ol br si		None		
750	0-10	dk br si w/sh & rk		None		
	10-20	ol br si		None		
751	0-11	dk br si w/sh & rk		None		
	11-21	ol br si		None		
752	0-10	dk br si w/sh & rk		None		
	10-20	ol br si		None		
753	0-10	dk br si w/sh & rk		None		
	10-20	ol br si		None		
754	0-9	dk br si w/sh & rk		None		
	9-21	ol br si		None		
755	0-12	dk br si w/sh & rk		None		
	12-23	ol br si		None		
756	0-10	dk br si w/sh & rk		None		
	10-21	ol br si		None		
757	0-8	dk br si w/sh & rk		None		
	8-20	ol br si		None		
758	0-9	dk br si w/sh & rk		None		
	9-20	ol br si		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
759	0-11	dk br si w/sh & rk		None		
	11-22	ol br si		None		
760	0-11	dk br si w/sh & rk		None		
	11-22	ol br si		None		
761	0-12	dk br si w/sh & rk		None		
	12-23	ol br si		None		
762	0-14	dk br si w/sh & rk		None		
	14-24	ol br si		None		
763	0-13	dk br si w/sh & rk		None		
	13-22	ol br si		None		
764	0-10	dk br si w/sh & rk		None		
	10-21	ol br si		None		
765	0-10	dk br si w/sh & rk		None		
	10-22	ol br si		None		
766	0-9	dk br si w/sh & rk		None		
	9-21	ol br si		None		
767	0-7	dk br si w/sh & rk		None		
	7-19	ol br si		None		
768	0-7	dk br si w/sh & rk		None		
	7-18	ol br si		None		
769	0-11	dk br si w/sh & rk		None		
	11-20	ol br si		None		
770	0-10	dk br si w/sh & rk		None		
	10-22	ol br si		None		
771	0-9	dk br si w/sh & rk		None		
	9-21	ol br si		None		
772	0-8	dk br si w/sh & rk		None		
	8-20	ol br si		None		
773	0-9	dk br si w/sh & rk		None		
	9-18	ol br si		None		
774	0-7	dk br si w/sh & rk		None		
	7-17	ol br si		None		
775	0-10	dk br si w/sh & rk		None		
	10-20	ol br si		None		
776	0-10	dk br si w/sh & rk		None		
	10-20	ol br si		None		
777	0-11	dk br si w/sh & rk		None		
	11-21	ol br si		None		
778	0-7	dk br si w/rk		None		
	7-27	ol br cl si w/rk		None		
779	0-7	dk br si w/rk		None		
	7-20	ol br cl si w/rk		None		
780	0-10	dk br si w/rk		None		
	10-21	ol br cl si w/rk		None		
781	0-9	dk br si w/rk		None		
	9-21	ol br cl si w/rk		None		
782	0-9	dk br si w/rk		None		
	9-24	ol br cl si w/rk		None		
783	0-9	dk br si w/rk		None		
	9-20	ol br cl si w/rk		None		

SHOVEL TEST RECORD

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
784	0-8	dk br si w/rk		None		
	8-21	ol br cl si w/rk		None		
785	0-9	dk br si w/rk		None		
	9-21	ol br cl si w/rk		None		
786	0-9	dk br si w/rk		None		
	9-20	ol br cl si w/rk		None		
787	0-6	dk br si w/rk		None		
	6-18	ol br cl si w/rk		None		
788	0-10	dk br si w/rk		None		
	10-21	ol br cl si w/rk		None		
789	0-11	dk br si w/rk		None		
	11-21	ol br cl si w/rk		None		
790	0-10	dk br si w/rk		None		
	10-21	ol br cl si w/rk		None		
791	0-8	dk br si w/rk		None		
	8-21	ol br cl si w/rk		None		
792	0-12	dk br si w/rk		None		
	12-25	ol br cl si w/rk		None		
793	0-9	dk br si w/rk		None		
	9-23	ol br cl si w/rk		None		
794	0-8	dk br si w/rk		None		
	8-20	ol br cl si w/rk		None		
795	0-6	dk br si w/rk		None		
	6-20	ol br cl si w/rk		None		
796	0-10	dk br si w/rk		None		
	10-23	ol br cl si w/rk		None		
797	0-9	dk br si w/rk		None		
	9-21	ol br cl si w/rk		None		
798	0-6	dk br si w/rk		None		
	6-20	ol br cl si w/rk		None		
799	0-9	dk br si w/rk		None		
	9-19	ol br cl si w/rk		None		
800	0-8	dk br si w/rk		None		
	8-19	ol br cl si w/rk		None		
801	0-12	dk br si w/rk		None		
	12-22	ol br cl si w/rk		None		
802	0-10	dk br si w/rk		None		
	10-22	ol br cl si w/rk		None		
803	0-8	dk br si w/rk		None		
	8-19	ol br cl si w/rk		None		
804	0-12	dk br si w/rk		None		
	12-22	ol br cl si w/rk		None		
805	0-8	dk br si w/rk		None		
	8-20	ol br cl si w/rk		None		
806	0-9	dk br si w/rk		None		
	9-20	ol br cl si w/rk		None		
807	0-9	dk br si w/rk		None		
	9-20	ol br cl si w/rk		None		
808	0-5	dk br si w/rk		None		
	5-20	ol br cl si w/rk		None		

ST#	Depth	Soil Description	Q	Artifacts	Mat	Wt
809	0-10	dk br si w/rk		None		
	10-23	ol br cl si w/rk		None		
810	0-11	dk br si w/rk		None		
	11-22	ol br cl si w/rk		None		
811	0-11	dk br si w/rk		None		
	11-23	ol br cl si w/rk		None		
812	0-8	dk br si w/rk		None		
	8-23	ol br cl si w/rk		None		
813	0-10	dk br si w/rk		None		
	10-23	ol br cl si w/rk		None		
814	0-12	dk br si w/rk		None		
	12-25	ol br cl si w/rk		None		
815	0-9	dk br si w/rk		None		
	9-21	ol br cl si w/rk		None		
816	0-9	dk br si w/rk		None		
	9-27	ol br cl si w/rk		None		
817	0-10	dk br si w/rk		None		
	10-22	ol br cl si w/rk		None		
818	0-8	dk br si w/rk		None		
	8-24	ol br cl si w/rk		None		
819	0-12	pk sa w/qz		None		
	12-22	ol br cl si w/rk		None		
820	0-9	dk br si w/rk		None		
	9-20	ol br cl si w/rk		None		
821	0-9	dk br si w/rk		None		
	9-20	ol br cl si w/rk		None		
822	0-8	dk br si w/rk		None		
	8-21	ol br cl si w/rk		None		
823	0-9	dk br si w/rk		None		
	9-22	ol br cl si w/rk		None		
824	0-10	dk br si w/rk		None		
	10-24	ol br cl si w/rk		None		
825	0-13	dk br si w/rk		None		
	13-25	ol br cl si w/rk		None		
826	0-11	dk br si w/rk		None		
	11-24	ol br cl si w/rk		None		
827	0-9	dk br si w/rk		None		
	9-21	ol br cl si w/rk		None		

SHOVEL TEST RECORD