PHASE IB ADDENDUM FIELD RECONNAISSANCE

ALBANY LANDFILL EXPANSION RESTORATIVE GRADING CITY OF ALBANY, VILLAGE OF COLONIE, AND TOWN OF GUILDERLAND ALBANY COUNTY, NEW YORK

HAA 3850-22

Submitted to:

CHA, INC. III WINNERS CIRCLE ALBANY, NEW YORK 12205

Prepared by:

HARTGEN ARCHEOLOGICAL ASSOCIATES, INC. CERTIFIED WBE/DBE 915 BROADWAY, SUITE 103B ALBANY, NEW YORK 12207 PHONE (518) 427-0382 FAX (518) 427-0384 www.hartgen.com

> AN ACRA MEMBER FIRM www.acra-crm.org

> > **APRIL 2009**

MANAGEMENT SUMMARY

SHPO Project Review Number: 06PR01161

Involved State and Federal Agencies: New York State Department of Environmental Conservation and the Army Corps of Engineers

Phase of Survey: Phase IB Addendum Field Reconnaissance

Location Information

Location: Adjacent areas to the north side of the Albany Landfill, 525 Rapp Road, Albany, New York. **Minor Civil Division:** City of Albany (00140), Village of Colonie (00143), Town of Guilderland (00106) **County:** Albany

Survey Area

Length: Area 1: 244 meters (800 ft); Area 2: Ranges from 40 meters (130 ft) to 415 meters (1,360 ft). Width: Area 1: 128 meters (420 ft); Area 2: Ranges from 6 meters (20 ft) to 250 meters (820 ft). Number of Acres Surveyed: Area 1: 7.5 acres (3.0 ha), Area 2: 7.7 acres (3.1 ha); a total of ~15 acres (~6.1 ha).

USGS 7.5 Minute Quadrangle Map: 1994 USGS Albany 7.5' Topographic Quadrangle, New York

Archeological Survey Overview

Number and Interval of Shovel Tests: 253 shovel tests at 15-meter (50-ft) intervals, four confirmation tests at 1-meter (3-ft) intervals, and four confirmation tests at 3-meter (10-ft) intervals; a total of 261 shovel tests.

Number and Size of Units: N/A Width of Plowed Strips: N/A Surface Survey Transect Interval: N/A

Results of Archeological Survey

Number and name of prehistoric sites identified: 1: The Pine Bush Precontact Site Number and name of historic sites identified: 1: 1800 Manor-Albany Monument Number and name of sites recommended for Phase II/Avoidance: 2: The Pine Bush Precontact Site and the 1800 Manor-Albany Monument.

Report Author: Amy Wilson

Date of Report: April 2009

TABLE OF CONTENTS

PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE	l
INTRODUCTION	l
SUMMARY OF PREVIOUS WORK	l
PROJECT INFORMATION	l
Project Area Location and Description	l
ENVIRONMENTAL INFORMATION	l
FIELD METHODS	2
LABORATORY PROCEDURES AND ANALYSIS	2
FIELD RESULTS	2
Area 1	3
The 1800 Manor-Albany Monument	3
SITE DESCRIPTION	3
The 1800 Manor-Albany Monument	1
Site Location and Size	1
Context	1
Site Characteristics	1
Integrity and Research Potential	1
Potential Impacts and Recommendations	1
Area 2	1
SITE DESCRIPTION	5
The Pine Bush Precontact Site	5
Site Location and Size	5
Context	5
Site Characteristics	5
Quantity and Kinds of Artifacts	5
Artifact Distributions	5
Integrity and Research Potential	7
Potential Impacts and Recommendations	1
CONCLUSIONS AND RECOMMENDATIONS	7
BIBLIOGRAPHY	3

APPENDIX 1: Shovel Test Excavation Records APPENDIX 2: Artifact Catalog APPENDIX 3: OPRHP Archeological Site Inventory Form – 1800 Manor-Albany Monument **APPENDIX 4: OPRHP** Archeological Site Inventory Form – Precontact Site **APPENDIX 5: CHA, Inc. Avoidance Plan APPENDIX 6: OPRHP Cover Form**

Map List

- 1. 1994 USGS Albany 7.5' Topographic Quadrangle, New York
- 2a. 2009 Clough Harbour & Associates, LLC and 2009 HAA, Inc. Albany Landfill Expansion Plan showing existing conditions and Proposed Construction.
- 2b. 2009 Clough Harbour & Associates, LLC and 2009 HAA, Inc. Albany Landfill Expansion Plan showing existing conditions, Map-Documented Structures (MDS), Archeological Sites, Shovel Test Locations and Photograph Angle Locations.

Hartgen Archeological Associates, Inc.

Photograph List

- 1. View southwest from Horseshoe Lane towards the existing Albany Landfill. This entire area is part of Alternative 1, which was included in the HAA, Inc. 2005 survey. The HAA, Inc. 2009 Area 1 Addendum is located to the southeast of the photo (at left).
- 2. View southwest along the northwestern boundary of Area 1, with the existing Albany Landfill located beyond. Existing over-head power lines are oriented northeast-southwest from the existing landfill. Pink flags placed at 15-meter (50-ft) intervals mark the location of shovel tests.
- 3. View southeast along the northeastern boundary of Area 1, which is a cleared boundary between the Town of Colonie (at left) and the Town of Guilderland (at right).
- 4. View southwest toward archeologist excavating Shovel Test 516, which is located at the southern corner of Area 1. This shovel test did not recover any cultural materials.
- 5. View west of the eastern corner of Area 1, from a cleared area adjacent to the eastern corner of the APE. Area 1 is characterized by gentle topography and thinly wooded forest cover. No cultural materials were found within this portion of the project area.
- 6. View northeast of pond situated within the eastern corner of Area 1, with the cleared area visible beyond. The pond is fed by a pipe on the southeastern side (at right). As such, the eastern corner of Area 1 is characterized by poor drainage, as many of the shovel tests excavated within this area encountered groundwater.
- 7. 1800 Manor-Albany Monument, obverse view.
- 8. 1800 Manor-Albany Monument, reverse view.
- 9. View southeast throughout the central portion of Area 2 of the APE. This relatively open area was a former wetland that had been subsequently filled in by the aeolian sand dunes to the northeast (at left) and southwest (at right), as documented by the stratigraphy of the shovel tests excavated throughout this portion of the project area. A plow-zone also was identified within the shovel tests, suggesting that this area was later cleared and used for agriculture.
- 10. View northwest of vernal pool, located immediately northwest of Area 2. Ridges overlooking the pool are located within the northwesternmost portion of Area 2. Although the ridges that overlook the pool are an area of archeological sensitivity, no cultural materials were found within the immediate vicinity of the pool.
- 11. View east along an unnamed trail that follows the southwestern boundary of Area 2. Shovel Test 1072, which initially identified the Pine Bush Precontact Site, is located at the center of the photograph (indicated by red arrow).
- 12. View south of archeologists excavating Shovel Tests 1076 (right) and 1077 (left). This portion of Area 2 is characterized by thorny groundcover, with the existing Albany Landfill visible in the background. No cultural materials were found in either of these tests.
- 13. View southwest of archeologist at Shovel Test 1105 at time of excavation. This shovel test is located on the northwest side of an existing drainage ditch, located immediately northeast of the existing Albany Landfill, visible beyond. Mixed wetland vegetation and thorny undergrowth characterize this portion of Area 2. No cultural materials were identified within this test.
- 14. View northwest along existing trail that provides access to Area 2. Shovel Tests 1073-1084 are located to the right of the photo. Of these, Shovel Test 1078 was the only test to recover cultural material, which consisted of a single fragment of olive bottle glass.
- 15. View north of archeologists at Shovel Tests 1097 (right) and 1098 (left) at time of excavation. These shovel tests are located on the southeastern side of an existing drainage ditch along the southeastern boundary of Area 2. No cultural materials were identified within either of these tests.
- 16. View east of archeologists at radial confirmation Shovel Tests 1072E (left) and 1072S (right) at time of excavation. Neither of these tests recovered additional cultural material associated with the Pine Bush Precontact Site.

Table List

Table 1.	Artifacts Identifie	ed within Area	1	3
----------	---------------------	----------------	---	---

PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by CHA, Inc. to conduct a Phase IB addendum field reconnaissance for the proposed Albany Landfill Expansion project in the City of Albany, Village of Colonie, and the Town of Guilderland, Albany County, New York (Maps 1 and 2). The surveys were conducted in compliance with Section 106 of the National Historic Preservation Act followed by Section 14.09 of the State Historic Preservation Act and the New York Archaeological Council's (NYAC) *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State* (1994), both of which are endorsed by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP). This report also conforms to the New York State Historic Preservation Office (SHPO) *Phase I Archaeological Report Format Requirements* (OPRHP 2005).

SUMMARY OF PREVIOUS WORK

HAA, Inc. has conducted a series of investigations for the Albany Landfill Expansion project, including a Phase IA study and initial Phase IB in Alternative 1 (HAA, Inc. 2005); Phase IB study in 2006 which subsequently was revised in 2008 for Alternative 3 (HAA, Inc. 2008a), and an addendum Phase IB for Alternative 3 on private land holdings in 2007, also revised in 2008 (HAA, Inc. 2008b). A Phase II site evaluation also was completed in February 2007 (revised in 2008) on the J. Vant Historic Site-Loci A/B, which was located in Alternative 4 (HAA, Inc. 2008c). The site was determined to be National Register-eligible. In addition, a small precontact site was located in the addendum work for Alternative 3. Although a Phase II evaluation was not conducted, the site was recommended to be eligible for the National Register. Neither archeological site is included within the current proposed project plans.

The current area of potential effect (APE) involves two discrete areas, located to the east and west Alternative 1, respectively. No previously recorded archeological sites are located within the two addenda areas, nor is there any indication from the historical maps that structures were ever located on these parcels. The greater portions of these areas are not believed to have been previously disturbed; hence the current addendum study.

PROJECT INFORMATION

Project Area Location and Description

The current addendum study focuses on two separate areas located to the east and west of Alternative 1, which was tested previously in 2005 (HAA, Inc. 2005). Area 1, the area east of Alternative 1, includes a rectangular-shaped parcel, approximately 7.5 acres (3.0 ha) in size. Additional grading to assist in wetland restoration in this area will occur, as well as the creation of two drainage channels. Area 2, the area west of Alternative 1, encompasses approximately 7.7 acres (3.1 ha). Impacts to this area include grading a spoil pile associated with the former trailer park in Alternative 1 and modifying the existing topography to help create a wetland restoration area.

ENVIRONMENTAL INFORMATION

The environment of an area is significant for determining its sensitivity for both precontact and historical archeological resources. Precontact groups often settled on level, well-drained terraces overlooking wetlands and waterways. Therefore, topography, proximity to wetlands, and soils are examined to determine landforms in the project area are likely to contain precontact archeological resources. In addition, bedrock formations that contain chert or other resources that may have been quarried elevate an area's sensitivity for precontact archeological sites. Finally, prior disturbances are assessed to determine their potential effect on any archeological deposits.

The APE is located in the central portion of the eastern half of the Albany Pine Bush, a unique ecosystem within New York State dominated by a pitch pine scrub oak barrens community. This ecological community is

characterized by a sparse canopy of pitch pine trees; a shrub layer of scrub oak and dwarf chestnut oak; a low shrub layer of black huckleberry, blueberries, and sweet fern; and a ground layer of grasses, legumes, and other plants tolerant of the dry, acidic, nutrient-poor, and fire-swept conditions. Under natural conditions, this community type is maintained by wildfires every six to 15 years. Rare pine barrens vernal ponds and a small, rich, sloping fen community occur within the Pine Bush along with several rare plants, amphibians, reptiles, and insects, including the endangered Karner blue butterfly. Many fungus, plant, and insect species were initially discovered here (Rittner 1976). However, it is worthwhile to note that the APE includes disturbed and degraded lands, such as the developed mobile home park, that do not contain the higher quality communities found in other portions of the Pine Bush Preserve.

FIELD METHODS

The Phase IB addendum study entailed the hand excavation of 261 shovel test pits (STPs) to determine the presence or absence of cultural materials within the APE. Fieldwork was conducted on Thursday-Tuesday, March 26-31, 2009. The weather conditions fluctuated from overcast to partly cloudy, with little precipitation. The field crew consisted interchangeably of Will Battles, John Ham, Tom Macomber, Kevin Moody, Steven Riester, with Amy Wilson as Field Director. The project was under the overall supervision of Project Manager Matthew Kirk.

Two-hundred fifty-three shovel tests were excavated at 15-meter (50-ft) intervals throughout Areas 1 and 2 of the APE. Eight confirmation tests were excavated at one- and three-meter (3 and 10 ft) intervals around an archeological find within Shovel Test 1072.

Each shovel test was 40 cm (16 in) in diameter. Excavated soil was passed through 0.63-cm (0.25-inch) hardware mesh and examined for both precontact and historic artifacts. The stratigraphy of each test was recorded, including the depth, soil description, and artifact content (Appendix 1). Soil types and depths varied throughout the project area. Soil descriptions were derived from the standard Munsell Soil Color Charts (Munsell 2000). All shovel tests and photographs characterizing the excavations are presented on the project map (Map 2). Shovel Test Records are presented in Appendix 1.

LABORATORY PROCEDURES AND ANALYSIS

Artifacts were placed in paper or plastic bags labeled by provenience and inventoried in a bag list. Artifact analysis was completed at the HAA, Inc. laboratory in North Greenbush, New York. Artifacts were assessed and washed or dry-brushed accordingly. Provenience information, including shovel test records, was entered into a Microsoft *Access* database (Appendix 1). Cultural materials were identified by provenience, and counted or weighed. The Artifact Inventory is presented in Appendix 2.

FIELD RESULTS

In all, 253 shovel test pits, and eight radial confirmation tests were excavated within the APE. The shovel tests were excavated throughout both Area 1 and Area 2 of the proposed Albany Landfill Expansion. The average depth of the shovel tests was 71.6 cm (28.2 in) below ground surface. An inventory of the STP soil profiles is included in Appendix 1.

The results of the shovel-testing program are divided into Area 1 and Area 2. The southwesternmost portion of Area 2 was not tested as it is currently part of the existing landfill and, therefore, previously disturbed. This area is indicated on the project map (Map 2). Two discrete archeological sites, the Pine Bush Precontact Site and the 1800 Manor-Albany Monument, were identified within and adjacent to the project area, respectively. A low-density scatter of miscellaneous artifacts also was identified within Area 1 of the APE. Both areas are discussed in further detail below.

Area 1

A total of 144 Shovel Tests (Shovel Tests 501-644) were excavated within Area 1, all of which were placed at standard 15-m (50-ft) intervals (Photos 1-6). Soils within this portion of the APE typically consisted of three strata, of the following sequence: a black to brown silt topsoil, followed by a level of brown to dark yellowish brown sand, underlain by a dark gray to grayish brown sand subsoil. A number of the tests throughout this area encountered groundwater. The average depth of the tests within Area 1 was 65.9 cm (25.9 in) below ground surface.

In all, six historic artifacts were found within six of the 144 shovel tests excavated within Area 1. The artifacts found within these tests include: one fragment of window glass (Shovel Test 524), two pieces of unidentified metal hardware (Shovel Test 525 and 603), one shotgun shell fragment (Shovel Test 542), one fragment of whiteware (Shovel Test 583), and one fragment of stoneware (Shovel Test 621); refer to Table 1 below.

The head-stamp on the shotgun shell reads "WESTERN/SUPER-X/MADE IN USA," and appears to be a 12-gauge (or No. 12). The Western company was formed in 1898, and much of their production was marketed in the Midwest through Simmons Hardware in St. Louis, Missouri. Paper-hulled shotgun shells, such as this example, were in production until c.1970 (Douglas Wicklund: Personal Communication 2009). Although the production of whiteware began in 1805, the use of decaled decoration was not employed until 1890 and remains in use today (Shaw 1900:XIX; Miller 2000:13). The stoneware fragment could have been produced anytime after 1805 (Miller 2000:10). No shovel tests within this area contained precontact artifacts. The artifacts are widely distributed and represent a low-density scatter of miscellaneous mid-20th century items, which are detailed in the table below.

Table 1. Artifacts Identified within Area 1.						
STP	Level	Artifact (qty)				
524	1	Window glass (1).				
525	1	Unidentified metal hardware (1).				
542	1	Western 12-gauge shotgun shell (1).				
583	1	Whiteware (1).				
603	1	Unidentified metal hardware (1).				
621	1	Stoneware (1).				

The 1800 Manor-Albany Monument

During the Phase IB addendum field reconnaissance within Area 1, a monument marking the Manor of Rensselaerwyck and City of Albany boundary was identified approximately 7.5 meters (25 ft) west of the northwest corner of Area 1 of the APE (Map 2), which dates to the year 1800 (Photos 7-8). The Manor of Rensselaerwyck was a colonial estate, specifically the Dutch-American patroonship owned by the Van Rensselaer family. The estate was originally granted by the Dutch East India Company to Kiliaen Van Rensselaer, a Dutch merchant and the primary investor in the Dutch East India Company in 1630 (Morison 1972:118-119). The Manor of Rensselaerwyck included portions of Albany, Columbia, Greene, and Rensselaer Counties, and extended as far east as modern Pownal, Vermont (Sauthier 1779). This particular monument is one of six known surviving markers indicating the boundaries of the former Manor of Rensselaerwyck (HAA, Inc. 1991), and constitutes an archeological site. The OPRHP archeological site inventory form is attached in Appendix 4 of the report.

SITE DESCRIPTION

One archeological site was identified outside of the Albany Landfill Expansion APE: The 1800 Manor-Albany Monument. The site consists solely of the monument, which marks the Manor of Rensselaerwyck and City of Albany boundary as of the year 1800, and is one of six known surviving markers. The OPRHP archeological site inventory form is attached in Appendix 4 of the report.

The 1800 Manor-Albany Monument

Site Location and Size

The 1800 Manor-Albany Monument is located 7.5 meters (25 ft) west of the northwest corner of Area 1, outside of the APE boundary, and is approximately 30 meters (100 ft) east of Horseshoe Lane, on the eastern side of the former Fox Run Estates Trailer Park. None of the historical artifacts recovered from Area 1 of the APE is associated with the monument.

Context

As per the Dongan Charter of 1686, the City of Albany was established as separate municipal entity within the Manor of Rensselaerwyck. The charter defined the original city limits, or "Freedom of Albany," which were fixed with Patroon Street (modern Clinton Avenue) as the northern limit, to the tip of Castle Island (extending along modern Gansevoort Street) as the southern limit. These parallel lines (approximately one mile apart) extended northwest "into the woods" for sixteen miles to a place called "Sandy Kil," just outside of Schenectady (NYSM 2000). The original boundaries are clearly marked on a number of 18th-century historical maps (Yates 1770 and DeWitt 1794). The area referred to as "the woods" is now known as the Albany Pine Bush.

In 1800, a survey was conducted to differentiate the boundaries of the Manor of Rensselaerwyck and the City of Albany, which presumably entailed the erection of Manor-Albany Monuments at regular intervals throughout the Albany Pine Bush. This particular monument is one of six known surviving monuments within the Pine Bush (HAA, Inc. 1991). The monument remains in situ, and therefore maintains its contextual integrity.

Site Characteristics

The Manor-Albany Monument consists solely of the standing marker indicating the Manor of Rensselaerwyck and the City of Albany boundary as of the year 1800. The monument remains in situ, and is in relatively good condition aside from some weathering on the reverse side, some of which obscures the letter "M" of "Manor." There does not appear to have been any disturbance to the monument.

Integrity and Research Potential

Integrity refers to a site's ability to yield important information to address research questions. The 1800 Manor-Albany Monument remains in situ and in relatively good condition. The potential for finding additional Manor-Albany Monuments remains a possibility. Thus, this monument is a single component of a greater whole, which may have the potential to answer future research questions.

Potential Impacts and Recommendations

The 1800 Manor-Albany Monument will not be directly affected by the proposed Albany Landfill Expansion project; Appendix 5 depicts the revised grading plan of Area 1 of the APE and avoidance plan. Although the 1800 Manor-Albany Monument is located outside of the APE, due vigilance should be exercised to ensure that the monument is not disturbed during the proposed Albany Landfill Expansion project. Accordingly, no further work is recommended for this site.

Area 2

Shovel Tests 1001-1109 were excavated at 15-meter (50-ft) intervals throughout Area 2 (Photos 9-16). The topography of the westernmost portion of Area 2 undulates with sand dunes that maintain forest cover surrounding a flat open area characterized by underbrush within the central portion. The soil stratigraphy throughout the APE exhibited dichotomous stratigraphy which coincided with the changes in topography. Shovel tests excavated within gently sloping wooded areas encountered a typical transition of a black to dark brown sand topsoil, followed by an occasional brown sand plow-zone, underlain by yellowish brown subsoil. In contrast, the shovel tests excavated within flat open areas encountered the following sequence: Level 1: dark brown sand topsoil; Level 2: dark yellowish brown sand; Level 3: black organic humus; Level 4: strong brown sand, and Level 5: yellowish brown sand subsoil. In this case, Levels 4-5 represent former wetland soils, which had since been buried by the redeposited sands of adjacent sand dunes, as exemplified by Levels 1-2, of which Level 1 is also a recent plow-zone.

Precontact artifacts were recovered from Shovel Test 1072, located on the flank of a sand dune within Area 2 (Photo 11). Four chert trim flakes and one chert block flake were recovered from Level 2 of Shovel Test 1072, a 46-cm (18-in) thick level of yellowish brown fine sand. Eight radial confirmation tests were excavated at 1- and 3-meter (3- and 10-ft) intervals around Shovel Test 1072 in order to determine if the concentration represented part of a larger site (Map 2; Photo 16). As a result, one exhausted core and three additional chert flakes, two of which are trim flakes, were encountered within one of the confirmation tests (Shovel Test 1072N). The deposit of nine chert debitage fragments constitutes an archeological site: The Pine Bush Precontact Site (Appendix 4).

One historic artifact, a fragment of olive bottle glass, was identified within Level 2 of Shovel Test 1078 within Area 2. No other shovel tests within Area 2 recovered any historic artifacts; therefore, this isolated find does not comprise an archeological site. Shovel Test 1079 was excavated by a field archeologist, but the record was not recovered afterwards. In addition, no further shovel tests were excavated southwest of Shovel Tests 1099-1109 due to the disturbance associated with the existing Albany Landfill.

SITE DESCRIPTION

One archeological site was identified on the boundary of the Albany Landfill Expansion APE: The Pine Bush Precontact Site (Photos 11 and 16). The site consists of a lithic scatter of chert debitage, which is the result of a flint-knapping activity or a sequence of flint-knapping activities performed at the site. The site and its formation process are described in detail below. The OPRHP archeological site inventory form is attached in Appendix 4 of the report.

The Pine Bush Precontact Site

Site Location and Size

The Albany Pine Bush Precontact Site is located on the southern flank of a sand dune within the Albany Pine Bush, west of the former Fox Run Estates Trailer Park, and north of an unmarked trail leading from the former trailer park into the Pine Bush Preserve (Photo 11). The site currently is defined on the north by Shovel Test 1071, on the east by Shovel Tests 1089 and 1073, on the south by the unmarked trail, and on the west by Shovel Tests 1058-1060. The Pine Bush Precontact Site encompasses approximately 28.6 m² (307.8 ft²). Precontact artifacts were recovered from Level 2 of Shovel Tests 1072 and 1072N between the depths of 19-65 cm (7-26 in) below ground surface.

Context

The Pine Bush Precontact Site is located on the southern flank of a sand dune within the sparsely wooded portion of Area 2 of the APE, on the north side of a trail that leads into the Pine Bush Preserve. The artifacts were recovered from strata that underlay the topsoil (Appendix 2). While no distinct plow-zone was identified within the immediate vicinity of the site, a plow-zone was identified within the adjacent areas. Any remnants of a plow-zone were most likely leached out of the acidic Pine Bush soils.

The flat open area north of the site was a former wetland, as demonstrated by the buried wetland soils identified within that area. The location of the site overlooking a former wetland may indicate that the site was chosen for its proximity to water, as well as the plant resources and game that would have been attracted to the wetland.

Site Characteristics

The Pine Bush Precontact Site currently is characterized as a sparsely wooded area on the margin of two adjacent areas that had been previously cleared. The site is located on the southern flank of an aeolian sand dune that rises to the north and overlooks a vernal pond that lies outside of the APE. Although the areas north and south of the site appear to have been cleared and previously used as farmland, as indicated by the presence of a plow-zone, the site itself does not appear to have sustained any direct disturbance aside from the unmarked trail to which the site is adjacent. The site consists of a concentrated lithic deposit of chert debitage within Shovel Test 1072 and 1072N.

Quantity and Kinds of Artifacts

Altogether, the modest lithic assemblage consists of nine pieces of chert debitage. Chert (also known as flint) is a sedimentary rock composed of microcrystalline quartz formed by chemical sedimentation. Chert in its purest form is composed mostly of silica and oxygen (Leudtke 1992). Impurities may be mixed into chert as it forms and serve to alter the quality and suitability of the material for the production of stone tools. Deformation of the bedrock that occurs during mountain-building also may affect the quality and suitability of chert for making chipped stone tools.

The lithic assemblage from the Pine Bush Precontact Site is derived from Eastern Onondaga chert, a lowquality fossiliferous chert typically characterized by hidden joint fractures. The material ranges from black to gray, often with blue-gray and/or gray-white mottling. The material patinates to brown, tan or yellow due to inclusions of partially silicified limestone, which may occur with heavy weathering (Converse 1973:194). Outcrops of this chert formation extend from Ontario, Canada, as far east as Orange County, New York.

Only one shaped artifact was recovered from the Pine Bush Precontact Site, a chert core. A core is a distinctive artifact that results from lithic stone reduction, or flint-knapping. Ultimately, the core is the scarred nucleus resulting from the removal of a series of flakes from a chosen raw material, in this case, Eastern Onondaga chert. The core is characterized by negative flake-scars across its surface. Three fragments of chert shatter also were identified within the site. Both of these types of items are associated with the primary stages of lithic reduction. The remainder of the assemblage is predominated by trim flakes (56%), defined as flakes or flake fragments less than or equal to 1.5 cm (0.6 in).

The types of flakes present within the site indicate that simple flake tool production occurred at the site. Due to the scarcity of lithic material within the immediate vicinity of the Pine Bush, the precontact people must have arrived at the Albany Pine Bush Site with the materials to create stone tools. Thus, the type of debitage within an assemblage can be used to interpret the general type of lithic reduction activities that occurred at the site.



Pie Chart 1. Pine Bush Precontact Site Debitage Types

Artifact Distributions

The horizontal site boundaries were determined based upon the locations of Shovel Tests 1072 and 1072N and their adjacent negative tests. Based upon the results of the Phase IB field reconnaissance shovel testing program, these finds are very isolated. The site does not appear to extend beyond 3 meters (10 ft) of the original find, as documented by three (out of four) negative tests at 3-meter (10-ft) intervals from the original shovel test. In all, the

site is approximately 28.6 m² (307.8 ft²). The vertical extent of the site is from 19 to 65 cm (7-26 in) below ground surface. The site boundary was established by the presence of negative tests and surrounding topography (Map 2).

Integrity and Research Potential

Integrity refers to a site's ability to yield important information to address research questions. The stratigraphic position of the site beneath the topsoil suggest that the site is relatively undisturbed, excluding whatever portions may have been truncated to the north by fill activities as well as the unnamed trail to the south. The concentration of artifacts already recovered from the site also suggests that there is the potential for additional material, some of which may be diagnostic to a particular time period.

A recent volume edited by Christina Rieth of the New York State Museum addressed the current state of research and management of what are typically called "small lithic sites." These are sites measuring less than 30 m² (100 ft²), containing fewer than 50 artifacts and typically not bearing any diagnostic materials. The archeological community and cultural resource managers currently are questioning previous assumptions that these sites were static, lithic tool production sites where hunters waited for game on a hunting foray. Archeologists are attempting to reconcile small lithic sites with the broader settlement pattern. Other archeologists state that what usually are characterized as small lithic sites have much more information to bear with more focused investigation (Hasenstab 2008; Binzen 2008; Rieth 2008). As such, although small, this site likely has additional research potential with additional excavation.

Potential Impacts and Recommendations

The Pine Bush Precontact Site will not be directly affected by the proposed Albany Landfill Expansion project; Appendix 5 depicts the revised grading and avoidance plan. HAA, Inc. understands that the proposed plans for this area of the project have been redesigned to surround the site with a 7.5-meter (25-ft) buffer (Appendix 5). Accordingly, no further work is recommended for this site.

CONCLUSIONS AND RECOMMENDATIONS

On behalf of CHA, Inc., HAA, Inc. conducted a Phase IB addendum field reconnaissance for the proposed Albany Landfill Expansion project. The proposed impacts associated with the expansion include grading to assist in wetland restoration within this area, as well as the creation of two drainage channels within Area 1; grading a spoil pile associated with the former trailer park in Alternative 1, and modifying the existing topography to help create a wetland restoration area to the east within Area 2.

The Phase IB addendum field reconnaissance of Area 1 and Area 2 of the Albany Landfill Expansion APE identified one historic site outside of Area 1 as well as one precontact site on the boundary of Area 2 of the APE. The 1800 Manor-Albany Monument is located immediately outside of Area 1, and is not associated with any archeological materials within the APE. The Pine Bush Precontact Site occupies a small localized area on the boundary of Area 2. In all, nine artifacts were recovered from the site. The findings from both sites and recommendations for further work are discussed below.

The 1800 Manor-Albany Monument was identified 7.5 meters (25 ft) west of the northwest corner of the boundary of Area 1 of the APE (Map 2). The monument itself is the sole component of the site, and is not associated with any archeological materials that were found within the APE. Although no further work is recommended for Area 1 of the APE, due vigilance should be exercised to ensure that the monument is not disturbed during the proposed Albany Landfill Expansion project. An OPRHP site inventory form is attached in Appendix 4.

The Pine Bush Precontact Site is a lithic assemblage of artifacts resultant of a flint-knapping activity or a sequence of flint-knapping activities performed at the site. The site is located on the boundary of Area 2 of the APE. The two chert trim flakes and two fragments of chert shatter encountered in Shovel Test 1072 and the chert core with two additional chert trim flakes and one fragment of chert shatter found within Shovel Test 1072N comprise the site (Map 2). HAA, Inc. understands that a 7.5-meter (25-ft) buffer will be placed from the positive tests, and temporary fencing will be erected to protect the site during construction (Appendix 5). No further archeological reconnaissance is recommended for any portions of the APE.

BIBLIOGRAPHY

Binzen, Timothy L.

2008 Where There's Smoke, There's Fire: Criteria for Evaluation of Small Lithic Sites in the Northeast. In *Current Approaches to the Analysis and Interpretation of Small Lithic Sites in the Northeast*, pp. 37-40. New York State Museum Bulletin Series 508. The State University of New York, The State Education Department, Albany, New York.

Converse, Robert N.

1973 *Ohio Flint Types.* A Special Publication of the Archaeological Society of Ohio. Originally published as Volume 13(4):77-120, of the Ohio Archaeologist. Revised in 1966.

DeWitt, Simeon

1794 A Plan of the City of Albany. New York State Archives, Manuscripts and Special Collections, Albany, New York.

Hartgen Archeological Associates, Inc. (HAA, Inc.)

- 1991 Report for Archeological Potential SEQR Parts 1A & 3: The Albany Pine Bush Preserve Located in the Towns of Guilderland and Colonie and the City of Albany, Albany County, New York. Report on file at OPRHP, Waterford, New York.
- 2005 Phase IA Archeological Sensitivity Assessment and Phase IB Archeological Field Reconnaissance: Proposed Albany Landfill Expansion, Town of Guilderland, Village of Colonie, and City of Albany, Albany County, New York. Report on file at OPRHP, Waterford, New York.
- 2008a Phase IB Archeological Field Reconnaissance: Albany Landfill Expansion Alternative 3, City of Albany, Albany County, New York. October 2006, revised February 2008. Report on file at OPRHP, Waterford, New York.
- 2008b Phase IB Archeological Field Reconnaissance: Albany Landfill Expansion Alternative 3 Addendum, Private Parcels, City of Albany, Albany County, New York. January 2007, Revised February 2008. Report on file at OPRHP, Waterford, New York.
- 2008c *Phase II Site Evaluation: Albany Landfill Expansion Alternative 4, City of Albany, Albany County, New York.* February 2007, Revised February 2008. Report on file at OPRHP, Waterford, New York.

Hasenstab, Robert J.

2008 The "Lithic Scatter" as an Artifact of Field Testing. In *Current Approaches to the Analysis and Interpretation of Small Lithic Sites in the Northeast*, C. Rieth, ed., pp. 11-36. New York State Museum Bulletin Series 508. The State University of New York, The State Education Department, Albany, New York.

Leudtke, Barbara E.

1992 An Archaeologists Guide to Chert and Flint. Archaeological Research Tools. Institute of Archaeology, University of California, Los Angeles.

Miller, George L.

2000 Telling Time for Archaeologists. Northeast Historical Archaeology 29:1-22.

Morison, Samuel Eliot

1972 "From the Hudson to the James 1626-1675:1. New Netherland and New York." *The Oxford History of the American People: Prehistory to 1789.* New American Library, New York.

Munsell Soil Color Charts

2000 *Munsell Soil Color Charts*. Rev. ed. Macbeth Division of Killmorgen Instruments Corporation, Newburgh, New York.

New York Archaeological Council (NYAC)

1994 Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State. NYAC, n.p.

New York State Museum (NYSM)

2000 The City Limits. http://www.nysm.nysed.gov/albany/citylimits.html Accessed April 2009.

New York State Office of Parks, Recreation and Historic Preservation (OPRHP)

2005 *New York State Historic Preservation Office (SHPO) Phase I Archaeological Report Requirements.* SHPO, n.p.

Noël Hume, Ivor

Rieth, Christina B., editor

2008 *Current Approaches to the Analysis and Interpretation of Small Lithic Sites in the Northeast.* New York State Museum Bulletin Series 508. The State University of New York, The State Education Department, Albany, New York.

Rieth, Christina B.

2008 Introduction. In *Current Approaches to the Analysis and Interpretation of Small Lithic Sites in the Northeast*, pp. 1-10. New York State Museum Bulletin Series 508. The State University of New York, The State Education Department, Albany, New York.

Rittner, Don

Sauthier, Claude Joseph

1779 A Chorographical Map of the Province of New York in North America. William Fadden, London.

Shaw, Simeon

1900 History of the Staffordshire Potteries and the Rise and Progress of the Manufacture of Pottery and Porcelain; With Reference to Genuine Specimens and Notices of Eminent Potters. Scott Greenwood and Company, London.

United States Geological Survey

1994 Albany 7.5' Topographic Quadrangle, New York. United States Geological Survey, Reston, Virginia.

Yates, Robert

1770 *Plan of the City of Albany about the Year 1770.* New York State Archives, Manuscripts and Special Collections, Albany, New York.

¹⁹⁶⁹ A Guide to Artifacts of Colonial America. Alfred A. Knopf, New York.

¹⁹⁷⁶ Pine Bush: Albany's Last Frontier. Pine Bush Historic Preservation, Albany, New York.

MAPS



Phase IB Archeological Investigation, Albany Landfill Expansion, Albany County, New York



1994 USGS Albany 7.5' Topographic Quadrangle, New York



Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York

HAA, Inc. Project Map

April 2009



Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Map 2a

2009 HAA, Inc. and CHA, LLP Project Map with Shovel Test and Photograph Angle Locations

April 2009

PHOTOGRAPHS

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Photo 1: View southwest from Horseshoe Lane towards the existing Albany Landfill. This entire area is part of Alternative 1, which was included in the HAA, Inc. 2005 survey. The HAA, Inc. 2009 Area 1 Addendum is located to the southeast of the photo (at left).



Photo 2: View southwest along the northwestern boundary of Area 1, with the existing Albany Landfill located beyond. Existing over-head power lines are oriented northeast-southwest from the existing landfill. Pink flags placed at 15-meter (50-ft) intervals mark the location of shovel tests.

Hartgen Archeological Associates, Inc.

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Photo 3: View southeast along the northeastern boundary of Area 1, which is a cleared boundary between the Town of Colonie (at left) and the Town of Guilderland (at right).



Photo 4: View southwest toward archeologist excavating Shovel Test 516, which is located at the southern corner of Area 1. This shovel test did not recover any cultural materials.

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Photo 5: View west of the eastern corner of Area 1, from a cleared area adjacent to the eastern corner of the APE. Area 1 is characterized by gentle topography and thinly wooded forest cover. No cultural materials were found within this portion of the project area.



Photo 6: View northeast of pond situated within the eastern corner of Area 1, with the cleared area visible beyond. The pond is fed by a pipe on the southeastern side (at right). As such, the eastern corner of Area 1 is characterized by poor drainage, as many of the shovel tests excavated within this area encountered groundwater.



Photo 7: 1800 Manor-Albany Monument, obverse view.



Photo 8: 1800 Manor-Albany Monument, reverse view.

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Photo 9: View southeast throughout the central portion of Area 2 of the APE. This relatively open area was a former wetland that had been subsequently filled in by the aeolian sand dunes to the northeast (at left) and southwest (at right), as documented by the stratigraphy of the shovel tests excavated throughout this portion of the project area. A plow-zone also was identified within the shovel tests, suggesting that this area was later cleared and used for agriculture.



Photo 10: View northwest of vernal pool, located immediately northwest of Area 2. Ridges overlooking the pool are located within the northwesternmost portion of Area 2. Although the ridges that overlook the pool are an area of archeological sensitivity, no cultural materials were found within the immediate vicinity of the pool.

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Photo 11: View east along an unnamed trail that follows the southwestern boundary of Area 2. Shovel Test 1072, which initially identified the Pine Bush Precontact Site, is located at the center of the photograph (indicated by red arrow).



Photo 12: View south of archeologists excavating Shovel Tests 1076 (right) and 1077 (left). This portion of Area 2 is characterized by thorny groundcover, with the existing Albany Landfill visible in the background. No cultural materials were found in either of these tests.



Photo 13: View southwest of archeologist at Shovel Test 1105 at time of excavation. This shovel test is located on the northwest side of an existing drainage ditch, located immediately northeast of the existing Albany Landfill, visible beyond. Mixed wetland vegetation and thorny undergrowth characterize this portion of Area 2. No cultural materials were identified within this test.



Photo 14: View northwest along existing trail that provides access to Area 2. Shovel Tests 1073-1084 are located to the right of the photo. Of these, Shovel Test 1078 was the only test to recover cultural material, which consisted of a single fragment of olive bottle glass.

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, New York



Photo 15: View north of archeologists at Shovel Tests 1097 (right) and 1098 (left) at time of excavation. These shovel tests are located on the southeastern side of an existing drainage ditch along the southeastern boundary of Area 2. No cultural materials were identified within either of these tests.



Photo 16: View east of archeologists at radial confirmation Shovel Tests 1072E (left) and 1072S (right) at time of excavation. Neither of these tests recovered additional cultural material associated with the Pine Bush Precontact Site.

APPENDIX 1: Shovel Test Excavation Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> Reason
Area: 1						
501	0 - 23	silt	roots	10YR 2/1	black	roots
502	0 - 23	silt	gravel	10YR 2/1	black	
	23 - 29	fine sand		10YR 4/6	dark yellowish brown	
	29 - 40	fine sand		10YR 4/2	dark grayish brown	
	40 - 64	fine silty sand		10YR 3/2	very dark grayish brown	
	64 - 74	fine sand		10YR 4/2	dark grayish brown	subsoil/water
503	0 - 13	sandy silt		10YR 3/2	very dark grayish brown	
	13 - 40	silty sand	gravel	10YR 4/6	dark yellowish brown	
		silty sand	gravel	10YR 3/2	very dark grayish brown	
	40 - 58	sandy silt	gravel	10YR 3/2	very dark grayish brown	water
		sandy silt	gravel	10YR 4/1	dark gray	water
504	0 - 29	sandy silt		10YR 3/2	very dark grayish brown	
	29 - 41	sand		10YR 4/1	dark gray	
	41 - 68	silty sand		10YR 3/1	very dark gray	water
505	0 - 16	sandy silt		10YR 3/2	very dark grayish brown	
	16 - 34	sand		10YR 4/4	dark yellowish brown	
	34 - 49	silty sand		10YR 2/2	very dark brown	water
506	0 - 15	sandy silt		10YR 3/2	very dark grayish brown	
	15 - 24	sand		10YR 4/4	dark yellowish brown	
	24 - 37	silty sand		10YR 2/2	very dark brown	water
507	0 - 27	sandy silt		10YR 3/2	very dark grayish brown	
	27 - 49	sand		10YR 4/1	dark gray	water
508	0 - 32	sandy silt		10YR 3/2	very dark grayish brown	
	32 - 64	sand		10YR 4/1	dark gray	water
509	0 - 33	sandy silt		10YR 4/4	dark yellowish brown	
	33 - 49	fine sand		10YR 5/6	yellowish brown	
	49 - 72	sand		10YR 4/1	dark gray	depth
510	0 - 23	sandy silt	slag	10YR 4/4	dark yellowish brown	fill/disturbed
511	0 - 24	sandy silt		10YR 3/2	very dark grayish brown	
	24 - 43	silty sand		10YR 4/4	dark yellowish brown	water
512	0 - 27	sandy silt		10YR 4/3	brown	
	27 - 44	silty sand		10YR 3/3	dark brown	water
		silty sand		10YR 4/1	dark gray	water
513	0 - 28	sandy silt	roots	10YR 4/3	brown	water
514	0 - 34	silty sand		10YR 3/3	dark brown	
	34 - 41	gravel		10YR 3/2	very dark grayish brown	
	41 - 63	silty sand		10YR 4/4	dark yellowish brown	water
515	0 - 49	silty sand		10YR 3/3	dark brown	
	49 - 68	sand		10YR 5/1	gray	subsoil/depth

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> <u>Reason</u>
Area: 1						
516	0 - 37	silty sand		10YR 3/2	very dark grayish brown	
	37 - 53	sand	gravel	10YR 4/6	dark yellowish brown	
	53 - 69	sand		10YR 4/1	dark gray	subsoil
517	0 - 23	silt	roots	10YR 2/1	black	
	23 - 35	sand		2.5Y 6/1	gray	
	35 - 50	silty sand	organics	10YR 4/2	dark grayish brown	
	50 - 70	sand	water	2.5Y 5/1	gray	subsoil
518	0 - 25	silt		10YR 2/1	black	
	25 - 30	fine sand		10YR 4/6	dark yellowish brown	
	30 - 44	fine sand		10YR 4/2	dark grayish brown	
	44 - 59	fine silty sand		10YR 3/2	very dark grayish brown	water
519	0 - 19	silty sand	slag	7.5YR 3/3	dark brown	
	19 - 41	silty sand	slag	10YR 4/6	dark yellowish brown	
	41 - 68	fine sand		7.5YR 4/1	dark gray	subsoil
520	0 - 19	silty sand		7.5YR 5/4	brown	
	19 - 50	silty sand		10YR 4/6	dark yellowish brown	
	50 - 70	fine sand		7.5YR 4/1	dark gray	subsoil
521	0 - 34	silty sand		10YR 3/4	dark yellowish brown	
	34 - 45	silty sand		10YR 4/6	dark yellowish brown	
	45 - 65	fine sand		10YR 5/2	grayish brown	subsoil
522	0 - 25	silty sand		10YR 3/3	dark brown	
	25 - 43	silt	silty sand	10YR 2/1	black	
		silt	silty sand	10YR 4/6	dark yellowish brown	
	43 - 71	fine sand		10YR 5/2	grayish brown	subsoil
523	0 - 32	silty sand		10YR 3/3	dark brown	
	32 - 44	silty sand		10YR 4/6	dark yellowish brown	
	44 - 67	fine sand		10YR 5/2	grayish brown	subsoil
524	0 - 27	silty sand		10YR 3/3	dark brown	
	27 - 39	silty sand		10YR 5/6	yellowish brown	
	39 - 68	fine sand		10YR 5/2	grayish brown	subsoil
525	0 - 27	silty sand		10YR 3/2	very dark grayish brown	
	27 - 54	fine sand		10YR 4/1	dark gray	
	54 - 73	fine sand		10YR 4/2	dark grayish brown	subsoil/water
526	0 - 28	silty sand		10YR 4/3	brown	
	28 - 37	fine sand		10YR 5/6	yellowish brown	
	37 - 67	fine sand		10YR 5/2	grayish brown	subsoil/water
527	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 45	fine sand		10YR 5/6	yellowish brown	
	45 - 66	fine sand		10YR 5/2	grayish brown	subsoil/water

	<u>Depth (cm)</u>	Soil Type	Soil Inclusions	<u>Munsell Color</u>		<u>Termination</u> Reason
Area: 1						
528	0 - 24	silty sand		10YR 3/3	dark brown	
	24 - 38	fine sand		10YR 5/6	yellowish brown	
	38 - 65	fine sand		10YR 5/2	grayish brown	subsoil/water
529	0 - 35	silty sand		10YR 3/2	very dark grayish brown	
	35 - 40	fine sand		10YR 5/4	yellowish brown	
	40 - 66	sand		2.5Y 5/2	grayish brown	subsoil
530	0 - 29	silty sand		10YR 3/3	dark brown	
	29 - 39	fine sand		10YR 5/6	yellowish brown	
	39 - 50	fine sand		10YR 5/1	gray	
	50 - 68	fine sand		10YR 3/1	very dark gray	subsoil/water
531	0 - 19	silty sand		10YR 3/4	dark yellowish brown	
	19 - 29	fine sand		10YR 5/6	yellowish brown	
	29 - 66	fine sand		10YR 3/1	very dark gray	subsoil/water
532	0 - 23	fine silty sand	roots	10YR 3/2	very dark grayish brown	
	23 - 30	fine silty sand		5Y 5/1	gray	
	30 - 42	fine sand		10YR 5/6	yellowish brown	
	42 - 65	fine sand		2.5Y 5/1	gray	subsoil
533	0 - 38	fine silty sand	roots	10YR 3/2	very dark grayish brown	
	38 - 48	fine sand		10YR 5/4	yellowish brown	
	48 - 68	fine sand		2.5Y 6/1	gray	subsoil
534	0 - 38	fine silty sand	roots	10YR 3/2	very dark grayish brown	
	38 - 55	fine sand		10YR 5/6	yellowish brown	
	55 - 70	fine sand		2.5Y 6/1	gray	subsoil
535	0 - 24	sandy silt		10YR 3/3	dark brown	
	24 - 59	sand		10YR 4/6	dark yellowish brown	
	59 - 73	sand		10YR 4/1	dark gray	subsoil
536	0 - 33	silty sand	roots	10YR 3/2	very dark grayish brown	
	33 - 47	sand	roots	10YR 5/4	yellowish brown	
	47 - 68	sand		2.5Y 6/1	gray	subsoil
537	0 - 36	silty sandy loam		10YR 3/2	very dark grayish brown	
	36 - 77	fine sand	roots	10YR 5/6	yellowish brown	subsoil
		fine sand	roots	10YR 2/2	very dark brown	subsoil
		fine sand	roots	2.5Y 4/1	dark gray	subsoil
538	0 - 24	silty sandy loam		10YR 3/2	very dark grayish brown	
	24 - 50	sand		10YR 5/6	yellowish brown	
	50 - 74	coarse sand		2.5Y 4/1	dark gray	subsoil
539	0 - 32	silty sand	roots	10YR 3/2	very dark grayish brown	
	32 - 50	sand		10YR 5/4	yellowish brown	
	50 - 71	sand		2.5Y 6/1	gray	subsoil

	Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Color		Termination Reason
Area: 1						
540	0 - 32	silty sandy loam		10YR 3/2	very dark grayish brown	
	32 - 64	sand		10YR 5/6	yellowish brown	
	64 - 86	coarse sand		2.5Y 4/1	dark gray	subsoil
541	0 - 30	silty sand	roots	10YR 3/2	very dark grayish brown	
	30 - 48	sand		10YR 5/4	yellowish brown	
	48 - 70	sand		2.5Y 6/1	gray	subsoil
542	0 - 24	loam		10YR 2/1	black	
	24 - 48	fine sand		10YR 4/3	brown	
	48 - 55	fine sand		2.5Y 4/3	olive brown	
	55 - 70	coarse sand		10YR 3/2	very dark grayish brown	water
543	0 - 22	silty sand	roots	10YR 3/2	very dark grayish brown	
	22 - 36	sand	roots	10YR 5/4	yellowish brown	
	36 - 70	sand		2.5Y 6/1	gray	subsoil
544	0 - 23	sandy silt	roots	10YR 3/1	very dark gray	
	23 - 34	sand		5Y 6/2	light olive gray	
	34 - 70	sand		10YR 6/1	gray	subsoil
		sand		10YR 5/1	gray	subsoil
545	0 - 24	silt	roots	10YR 2/1	black	
	24 - 33	sand		2.5Y 6/1	gray	
	33 - 52	silty sand	organics	10YR 4/2	dark grayish brown	subsoil
546	0 - 26	silt		10YR 2/1	black	
	26 - 49	sand		10YR 5/4	yellowish brown	
	49 - 68	sand	water	2.5YR 6/1	reddish gray	subsoil
547	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 48	fine sand		10YR 5/6	yellowish brown	
	48 - 69	fine sand		10YR 4/2	dark grayish brown	subsoil
548	0 - 13	silty sand		10YR 3/3	dark brown	
	13 - 46	sand		10YR 5/6	yellowish brown	
		sand		10YR 2/2	very dark brown	
	46 - 67	sand		10YR 4/1	dark gray	subsoil
549	0 - 41	silty sand		2.5Y 4/4	olive brown	
	41 - 63	fine sand		10YR 5/6	yellowish brown	
	63 - 77	fine sand		10YR 5/3	brown	subsoil
550	0 - 20	silty sand		10YR 3/3	dark brown	
	20 - 55	fine sand		10YR 5/6	yellowish brown	
	55 - 71	fine sand		10YR 5/3	brown	subsoil
551	0 - 33	silty sand		10YR 3/2	very dark grayish brown	
	33 - 63	fine sand		10YR 5/6	yellowish brown	
	63 - 73	fine sand		10YR 5/2	grayish brown	subsoil
552	0 - 30	silty sand		10YR 3/2	very dark grayish brown	
	30 - 70	fine sand		10YR 5/6	yellowish brown	subsoil

	<u>Depth (cm)</u>	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> <u>Reason</u>
Area: 1						
553	0 - 24	silty sand		10YR 3/2	very dark grayish brown	
	24 - 79	fine sand		10YR 5/6	yellowish brown	subsoil
554	0 - 40	silty sand		10YR 3/2	very dark grayish brown	
	40 - 51	fine sand		10YR 5/3	brown	subsoil/roots
555	0 - 27	silty sand		10YR 3/2	very dark grayish brown	
	27 - 74	fine sand		10YR 5/6	yellowish brown	subsoil
		fine sand		10YR 5/4	yellowish brown	subsoil
556	0 - 31	silty sand		10YR 3/3	dark brown	
	31 - 65	fine sand		10YR 5/6	yellowish brown	subsoil
557	0 - 30	silty sand		10YR 3/3	dark brown	
	30 - 69	fine sand		10YR 5/4	yellowish brown	subsoil
558	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 54	fine sand		10YR 5/4	yellowish brown	
	54 - 68	fine sand		10YR 4/1	dark gray	subsoil
559	0 - 18	silty sand		10YR 3/3	dark brown	
	18 - 54	fine sand		10YR 4/6	dark yellowish brown	
	54 - 67	fine sand		10YR 4/2	dark grayish brown	subsoil
560	0 - 23	silt		10YR 2/1	black	
	23 - 59	fine sand		10YR 4/2	dark grayish brown	subsoil/water
561	0 - 18	silt		10YR 2/1	black	
	18 - 35	fine sand		10YR 4/1	dark gray	
	35 - 54	fine sand		10YR 4/2	dark grayish brown	subsoil/water
562	0 - 22	silt		10YR 2/1	black	
	22 - 36	fine sand		10YR 4/1	dark gray	water
563	0 - 15	silt		10YR 2/1	black	
	15 - 38	fine sand		10YR 4/1	dark gray	
	38 - 57	fine sand		10YR 5/3	brown	subsoil/water
564	0 - 30	silt		10YR 2/1	black	
	30 - 53	fine sand		10YR 4/1	dark gray	
	53 - 66	fine sand		10YR 4/2	dark grayish brown	subsoil
565	0 - 13	silty sand		10YR 3/2	very dark grayish brown	
	13 - 72	sand		10YR 4/6	dark yellowish brown	depth
566	0 - 36	sandy silt		10YR 2/2	very dark brown	
	36 - 54	sand		10YR 4/1	dark gray	water
567	0 - 11	sandy silt		10YR 2/2	very dark brown	
	11 - 56	sand		10YR 4/1	dark gray	water
568	0 - 34	sandy silt		10YR 2/2	very dark brown	
	34 - 65	sand		10YR 4/1	dark gray	water
569	0 - 16	sandy silt		10YR 2/2	very dark brown	
	16 - 57	sand		10YR 4/1	dark gray	water

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> <u>Reason</u>
Area: 1						
570	0 - 29	silty sand		10YR 3/3	dark brown	
	29 - 64	sand		10YR 4/1	dark gray	water
571	0 - 38	silty sand		10YR 3/3	dark brown	
	38 - 53	sand		10YR 5/6	yellowish brown	
	53 - 71	sand		10YR 4/1	dark gray	subsoil
572	0 - 44	silty sand		10YR 3/3	dark brown	
	44 - 68	sand		10YR 4/1	dark gray	subsoil
573	0 - 43	silty sand		10YR 3/3	dark brown	
	43 - 57	sand		10YR 5/6	yellowish brown	
	57 - 71	sand		10YR 5/1	gray	subsoil
574	0 - 41	silty sand		10YR 3/3	dark brown	
	41 - 66	sand		10YR 5/1	gray	subsoil
575	0 - 36	silty sand		10YR 3/3	dark brown	
	36 - 49	sand		10YR 5/6	yellowish brown	
	49 - 74	sand		10YR 4/1	dark gray	subsoil
576	0 - 16	silty sand		10YR 3/3	dark brown	
	16 - 68	sand		10YR 5/6	yellowish brown	
	68 - 84	sand		10YR 5/1	gray	subsoil
577	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 37	silty sand		10YR 2/2	very dark brown	
	37 - 74	silty sand		10YR 4/3	brown	depth
578	0 - 24	silty sand		10YR 3/3	dark brown	
	24 - 58	sand		10YR 4/1	dark gray	
		sand		10YR 4/6	dark yellowish brown	
	58 - 72	sand		10YR 4/1	dark gray	subsoil
		sand		10YR 2/2	very dark brown	subsoil
579	0 - 21	sand		10YR 3/3	dark brown	
	21 - 67	sand		10YR 4/1	dark gray	subsoil/depth
		sand		10YR 5/6	yellowish brown	subsoil/depth
580	0 - 23	silty sand		10YR 3/3	dark brown	
	23 - 61	sand		10YR 4/1	dark gray	
	61 - 84	sand		10YR 4/2	dark grayish brown	subsoil
		sand		10YR 3/2	very dark grayish brown	subsoil
581	0 - 33	fine silty sand	roots	10YR 3/3	dark brown	
	33 - 42	fine sand	roots	2.5Y 5/4	light olive brown	roots
582	0 - 31	fine silty sand	roots	10YR 3/3	dark brown	
	31 - 65	fine sand		10YR 5/2	grayish brown	subsoil

	Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Colo	<u>r</u>	Termination Reason
Area: 1						
583	0 - 35	sandy loam		10YR 4/3	brown	
	35 - 67	sand		2.5Y 5/4	light olive brown	
		sand		10YR 5/1	gray	
	67 - 86	sand		10YR 5/1	gray	subsoil
584	0 - 36	sandy loam		10YR 4/2	dark grayish brown	
	36 - 65	sand		2.5Y 5/6	light olive brown	
		sand		10YR 5/1	gray	
	65 - 82	sand		10YR 5/1	gray	subsoil
585	0 - 29	sandy loam		10YR 4/3	brown	
	29 - 46	sand		10YR 5/1	gray	
		sand		10YR 5/6	yellowish brown	
	46 - 73	sand		10YR 5/1	gray	subsoil
586	0 - 27	sandy loam		10YR 3/2	very dark grayish brown	
	27 - 40	sand		10YR 5/6	yellowish brown	
	40 - 71	sand		10YR 5/1	gray	subsoil
587	0 - 35	silty loam		10YR 3/4	dark yellowish brown	
	35 - 50	sandy loam		10YR 4/6	dark yellowish brown	
		sandy loam		10YR 5/1	gray	
	50 - 70	sand		10YR 5/1	gray	subsoil/water
588	0 - 26	silty loam		10YR 3/4	dark yellowish brown	
	26 - 45	sandy loam		10YR 4/6	dark yellowish brown	
		sandy loam		10YR 5/1	gray	
	45 - 76	sand		10YR 5/1	gray	subsoil/water
589	0 - 27	silty loam		10YR 3/2	very dark grayish brown	
	27 - 53	sand		10YR 4/6	dark yellowish brown	
		sand		10YR 5/1	gray	
	53 - 79	sand		10YR 5/1	gray	subsoil
590	0 - 18	silty loam		10YR 3/4	dark yellowish brown	
	18 - 35	sand		10YR 5/1	gray	
		sand		10YR 4/6	dark yellowish brown	
	35 - 69	sand		10YR 5/1	gray	subsoil
591	0 - 20	silty loam		10YR 3/4	dark yellowish brown	
	20 - 41	sand		10YR 5/6	yellowish brown	
		sand		10YR 5/1	gray	
	41 - 70	sand		10YR 5/1	gray	subsoil
592	0 - 27	silty loam		10YR 3/4	dark yellowish brown	
	27 - 40	silty sand		2.5Y 5/4	light olive brown	
		silty sand		10YR 5/1	gray	
	40 - 62	sand		10YR 5/1	gray	subsoil/water

	Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Color		<u>Termination</u> Reason
Area: 1						
593	0 - 22	silty loam		10YR 2/2	very dark brown	
	22 - 42	sand		10YR 5/6	yellowish brown	
		sand		2.5Y 5/4	light olive brown	
	42 - 71	sand		10YR 5/1	gray	subsoil
594	0 - 14	sand		10YR 2/2	very dark brown	
	14 - 23	silt		10YR 4/6	dark yellowish brown	
		silt		10YR 4/4	dark yellowish brown	
	23 - 74	sand		10YR 5/8	yellowish brown	subsoil
595	0 - 27	sand		10YR 2/1	black	
	27 - 67	sand		10YR 5/6	yellowish brown	subsoil
596	0 - 20	sandy loam		10YR 2/2	very dark brown	
	20 - 66	sand		10YR 5/6	yellowish brown	subsoil
597	0 - 20	silty sand		10YR 3/2	very dark grayish brown	
	20 - 77	fine sand		10YR 5/6	yellowish brown	subsoil
598	0 - 23	silty sand		10YR 3/2	very dark grayish brown	
	23 - 65	fine sand		10YR 5/6	yellowish brown	subsoil
599	0 - 24	silty sand		10YR 3/2	very dark grayish brown	
	24 - 53	fine sand		10YR 5/6	yellowish brown	
	53 - 65	fine sand		10YR 5/4	yellowish brown	subsoil
600	0 - 21	silty sand		10YR 3/2	very dark grayish brown	
	21 - 43	fine sand		10YR 4/2	dark grayish brown	subsoil/water
601	0 - 29	silty sand		10YR 4/3	brown	
	29 - 31	fine sand		10YR 5/6	yellowish brown	
	31 - 65	coarse sand		2.5Y 4/1	dark gray	subsoil/water
602	0 - 35	silty sand		10YR 4/3	brown	
	35 - 36	fine sand		10YR 4/6	dark yellowish brown	
	36 - 48	coarse sand		2.5Y 4/1	dark gray	subsoil/water
603	0 - 28	silty sand		10YR 4/3	brown	
	28 - 48	silty sand		10YR 4/6	dark yellowish brown	subsoil/water
		silty sand		10YR 4/1	dark gray	subsoil/water
604	0 - 18	silty sand		10YR 4/3	brown	
	18 - 35	silt	gravel	10YR 4/3	brown	
		silt	gravel	5YR 3/4	dark reddish brown	
	35 - 70	coarse sand		2.5Y 4/1	dark gray	subsoil/water
605	0 - 30	silty sand		10YR 4/3	brown	
	30 - 36	fine sand		10YR 5/6	yellowish brown	
	36 - 50	coarse sand		2.5Y 4/1	dark gray	subsoil/water
606	0 - 28	silty sand		10YR 4/3	brown	
	28 - 40	fine sand		10YR 5/6	yellowish brown	
	40 - 66	coarse sand		2.5Y 4/1	dark gray	subsoil/water

	Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Color		<u>Termination</u> <u>Reason</u>
Area: 1						
607	0 - 30	silty sand		10YR 4/3	brown	
	30 - 40	fine sand		10YR 5/6	yellowish brown	
	40 - 71	coarse sand		2.5Y 4/1	dark gray	subsoil/water
608	0 - 28	silty sand		10YR 4/3	brown	
	28 - 45	fine sand		10YR 5/6	yellowish brown	
	45 - 68	coarse sand		2.5Y 4/1	dark gray	subsoil/water
609	0 - 24	silty sand		10YR 4/3	brown	
	24 - 28	fine sand		10YR 5/6	yellowish brown	
	28 - 70	coarse sand		2.5Y 4/1	dark gray	subsoil/water
610	0 - 26	silty sand		10YR 4/3	brown	
	26 - 27	fine sand		10YR 5/6	yellowish brown	
	27 - 70	coarse sand		2.5Y 4/1	dark gray	subsoil/water
611	0 - 34	silty sand		10YR 4/3	brown	
	34 - 78	coarse sand		2.5Y 4/1	dark gray	subsoil/water
612	0 - 45	silty sand		10YR 4/3	brown	
	45 - 65	fine sand		10YR 4/6	dark yellowish brown	subsoil/roots
613	0 - 26	silty sand		10YR 3/4	dark yellowish brown	
	26 - 35	silty sand		10YR 4/6	dark yellowish brown	
	35 - 65	silty sand		10YR 5/2	grayish brown	subsoil
614	0 - 25	sandy loam		10YR 4/3	brown	
	25 - 43	sand		10YR 4/2	dark grayish brown	
		sand		10YR 5/1	gray	
	43 - 72	sand		10YR 5/1	gray	subsoil
615	0 - 33	silty sand		10YR 3/4	dark yellowish brown	
	33 - 58	silty sand		10YR 5/2	grayish brown	water
616	0 - 28	sandy loam		10YR 4/4	dark yellowish brown	
	28 - 45	sand		10YR 5/6	yellowish brown	
		sand		10YR 5/1	gray	
	40 - 67	sand		10YR 5/1	gray	subsoil
617	0 - 25	silty sand		10YR 3/4	dark yellowish brown	
	25 - 56	silty sand		10YR 4/6	dark yellowish brown	water
618	0 - 30	sandy loam		10YR 4/4	dark yellowish brown	
	30 - 52	sand		10YR 5/1	gray	
		sand		2.5Y 5/4	light olive brown	
	52 - 65	sand		10YR 5/1	gray	subsoil
619	0 - 30	silty sand		10YR 4/3	brown	
	30 - 38	fine sand		10YR 5/6	yellowish brown	
	38 - 60	coarse sand		2.5Y 4/1	dark gray	subsoil/water

Area: 1 sity and 10YR 2/2 very dark brown 19 - 35 sity and 10YR 2/2 dark graysh brown 19 - 36 sith 10YR 2/2 dark graysh brown 19 - 36 sith 10YR 2/2 dark graysh brown 10 - 34 sithy and 10YR 2/3 brown 12 - 65 coarse sand 2.57 4/1 dark yray subsoil/water 18 - 8 and 10YR 2/3 dark yray subsoil/water 18 - 8 and 10YR 2/4 dark yray subsoil/water 19 - 8 sinty and 10YR 2/4 dark yray subsoil/water 10 - 7 sand 10YR 2/4 gray subsoil/water 23 - 67 sand 10YR 2/4 dark yray subsoil/water 23 - 65 sand 10YR 2/4 dark yray subsoil/water 23 - 65 sand 10YR 2/4 dark yray subsoil/water 23 - 65 sand 10YR 5/1 gray subsoil/water 23 - 64 sand		Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Color	-	<u>Termination</u> Reason
620 0 - 19 silty sand 10YR 2/2 very dark brown 19 - 35 silt 10YR 2/2 dark graysib brown 36 - 65 sand 10YR 5/1 gray subsoli/water 621 0 - 34 silty sand 10YR 2/2 dark graysib brown subsoli/water 622 0 - 18 silty sand 10YR 2/2 very dark brown subsoli/water 622 0 - 18 silty sand 10YR 2/2 very dark brown subsoli/water 623 0 - 30 silty sand 10YR 2/2 very dark brown subsoli/water 624 0 - 30 sand 10YR 2/2 very dark brown subsoli/water 625 0 - 30 silty sand 10YR 2/2 very dark brown subsoli/water 626 0 - 30 silty sand 10YR 2/2 very dark brown subsoli/water 626 0 - 30 silty sand 10YR 2/2 very dark brown subsoli/water 627 0 - 22 sand 10YR 2/1 dark graysib brown subsoli 626 0 - 22 sand 10YR 2/2 very dark brown subsoli 627 0 - 22 sand 10YR 2/2 very dark graysib brown subsoli 626 <th>Area: 1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Area: 1						
1935slit107R 4/2dirk graydirk gray3663sand107R 5/1graysubsail62100.34slity sand107R 4/3boronsubsail/value62200.16sity sand107R 2/4Very dark brown	620	0 - 19	silty sand		10YR 2/2	very dark brown	
silt10YR 5/1grayguboli35-65sand10YR 4/3brownsuboali6210 - 34silly sand10YR 4/3brownsuboali/water6220 - 18silly sand10YR 2/2Very dark forwn-81 - 33sand10YR 4/3dark yealowish brown-33 - 67sand10YR 4/3graysuboali/water6230 - 30silly sand10YR 4/3brown-30 - 60silly sand10YR 4/3dark yealowish brown-23 - 35case sand2.5Y 4/1dark graysuboali/water6240 - 23silly loam10YR 4/3dark yealowish brown-23 - 35sand10YR 4/4graysuboali/water6250 - 23sand10YR 4/6dark yealowish brown-23 - 35sand10YR 4/6graysuboali/water6260 - 22sand10YR 4/6dark yealowish brown-38 - 62sand10YR 4/6graysuboali6260 - 28sand10YR 3/1graysuboali6270 - 24sand10YR 3/2ver dark forwn-6280 - 28sand10YR 3/2yealowish brown-6290 - 28sand10YR 3/2yealowish brownsuboali6290 - 28sand10YR 3/2yealowish brown-6290 - 28sand10YR 3/2yealowish brownsuboali <t< td=""><td></td><td>19 - 35</td><td>silt</td><td></td><td>10YR 4/2</td><td>dark grayish brown</td><td></td></t<>		19 - 35	silt		10YR 4/2	dark grayish brown	
35 - 65 sand 10YR 8/1 gray subsoil 621 0 - 34 silly sand 10YR 4/3 brown subsoil/water 622 0 - 18 silly sand 10YR 4/3 dark gray subsoil/water 622 0 - 18 silly sand 10YR 4/3 dark gray subsoil/water 623 0 - 33 sand 10YR 4/3 gray subsoil 624 0 - 30 silly sand 10YR 4/3 brown subsoil 624 0 - 30 silly sand 10YR 4/3 brown subsoil/water 624 0 - 30 silly loan 10YR 4/3 bark very dark brown 23 - 35 coarse sand 10YR 4/3 dark gray subsoil 624 0 - 32 sand 10YR 4/3 dark gray subsoil 625 0 - 22 sand 10YR 4/6 dark gray subsoil 626 0 - 24 sand 10YR 4/3 gray subsoil 626 sand 10YR 4/6<			silt		10YR 5/1	gray	
621 0.34 · 63 oarse sand 10°R 4/3 berward 622 34 · 65 oarse sand 10°R 4/3 dark gray suboil/water 622 18 · 33 sand 10°R 4/3 dark gray suboil/water 18 · 33 sand 10°R 4/4 dark yellowish brown		35 - 65	sand		10YR 5/1	gray	subsoil
34 - 65coarse sand2.5Y 4/1dark graysubsolivater5220 - 18silly sand10/R 2/2Very dark brown $$	621	0 - 34	silty sand		10YR 4/3	brown	
622 0 - 18 sily sand 10VR 2/2 very dark brown 18 - 33 sand 10VR 4/0 dark brown 33 - 67 sand 10VR 4/1 gray subsoil 623 0 - 30 sily sand 10VR 4/3 brown subsoil 624 0 - 30 sily sand 10VR 4/3 brown subsoil/water 624 0 - 23 sily loam 10VR 4/3 gray subsoil/water 625 coarse sand 10VR 4/3 gray subsoil/water 626 0 - 23 sily loam 10VR 4/4 dark yellowish brown subsoil/water 625 0 - 23 sand 10VR 6/1 gray subsoil 626 3 - 64 sand 10VR 6/1 gray subsoil 627 3 - 64 sand 10VR 6/1 gray subsoil 628 sand 10VR 7/1 gray subsoil subsoil 629 0 - 28 sand 10VR 7/1 gray subsoil 626 102 sand 10VR 7/1 gray subsoil 627 0 - 28 sand 10VR 7/1 gray subsoil 628 sand 10VR 7/1 gray		34 - 65	coarse sand		2.5Y 4/1	dark gray	subsoil/water
18 - 33and and10YR 4/6 10YR 5/1 graydark yellowish brown subsoil23 - 67sand10YR 5/1 30 - 65graysubsoil6233 - 67sold10YR 4/3 andbrownsubsoil/water6240 - 23 23 - 35sand10YR 2/2 andvery dark brown	622	0 - 18	silty sand		10YR 2/2	very dark brown	
sand10YR 5/1graysubsoil523 0.30 silly sand10YR 5/1graysubsoil624 0.30 silly sand $2.5Y$ 4/1dark graysubsoil/water624 0.23 silly loam $10YR 2/2$ very dark brown-23-35sand $10YR 5/1$ graysubsoil/water625 0.22 sand $10YR 2/2$ very dark brown-52.64sand $10YR 2/1$ black-626 0.22 silly loam $10YR 2/1$ black-627 0.22 silly loam $10YR 2/1$ black-23-38sand $10YR 4/6$ dark yellowish brownsubsoil628 0.22 sand $10YR 2/2$ very dark brownsubsoil629 0.28 sand $10YR 2/2$ very dark brownsubsoil620 0.28 sand $10YR 5/1$ graysubsoil621 0.28 sand $10YR 3/2$ very dark brownsubsoil626 0.24 sand $10YR 3/2$ very dark grayish brownsubsoil627 0.24 sandy loam $10YR 3/3$ dark prownsubsoil628 0.21 sand $10YR 3/3$ dark brownsubsoil629 0.16 sand $10YR 3/3$ dark brownsubsoil629 0.16 sand $10YR 3/3$ dark browndepth630 0.23 sand $10YR 3/3$ dark browndepth631 0.27		18 - 33	sand		10YR 4/6	dark yellowish brown	
33 - 67sand10YR 5/1graysubsoil6230 - 30silly sand10YR 4/3brownsubsoil/water6240 - 23silly loam10YR 2/2very dark brown-2 - 35sand10YR 5/1graysubsoil/water35 - 64sand10YR 5/1graysubsoil6250 - 23silly loam10YR 2/2very dark brownsubsoil6260 - 24sand10YR 5/1graysubsoil38 - 62sand10YR 5/6yellowish brownsubsoil38 - 62sand10YR 5/6yellowish brownsubsoil28 - 48sand10YR 5/6yellowish brownsubsoil5260 - 24sand10YR 5/6yellowish brownsubsoil6260 - 24sand10YR 5/6yellowish brownsubsoil6270 - 24sand10YR 3/2very dark grayish brownsubsoil6280 - 24sand10YR 3/2very dark grayish brownsubsoil6290 - 16sand10YR 3/3dark yellowish brownsubsoil6290 - 16sand10YR 3/3dark brownsubsoil6290 - 16sand10YR 3/3dark brownsubsoil6290 - 16sand10YR 3/3dark browngetp6290 - 16sand10YR 3/3dark browngetp6290 - 16sand10YR 3/3dark browngetp6290 - 16 </td <td></td> <td></td> <td>sand</td> <td></td> <td>10YR 5/1</td> <td>gray</td> <td></td>			sand		10YR 5/1	gray	
523 0 - 30 silty sand 10YR 4/3 brown 30 - 55 coarse sand 2.5Y 4/1 dark gray subsoli/water 524 0 - 23 silty loam 10YR 2/2 very dark brown 33 - 55 sand 10YR 4/6 dark yellowish brown subsoli 35 - 64 sand 10YR 4/6 dark yellowish brown subsoli 525 0 - 22 silty loam 10YR 4/6 dark yellowish brown subsoli 526 0 - 22 silty loam 10YR 4/6 dark yellowish brown subsoli 526 0 - 22 sand 10YR 4/6 dark yellowish brown subsoli 526 0 - 22 sand 10YR 8/6 yellowish brown subsoli 526 0 - 28 sand 10YR 8/6 yellowish brown subsoli 527 0 - 24 sandy loam 10YR 8/6 yellowish brown subsoli 527 0 - 24 sandy loam 10YR 8/2 very dark gray/sh brown subsoli 527 0 - 24		33 - 67	sand		10YR 5/1	gray	subsoil
30 - 55coarse sand $2.5Y 4/1$ dark graysubsol/water624 $0 - 23$ silty loam10YR 2/2very dark brown $32 - 35$ sand10YR 6/4graygraysubsol $35 - 64$ sand10YR 7/6graysubsol625 $0 - 22$ silty loam10YR 7/6graysubsol626 $0 - 22$ silty loam10YR 7/6graysubsol627 $0 - 22$ sind10YR 3/6grayvery dark brown $30 - 62$ sand10YR 7/6grayvery dark brown $30 - 62$ sand10YR 7/6grayvery dark brown $30 - 62$ sand10YR 7/6grayvery dark brown $30 - 62$ sand10YR 7/6graysubsol626 $0 - 28$ sand10YR 7/2very dark gray brownsubsol626 $0 - 28$ sand10YR 7/1graysubsol627 $0 - 24$ sandy loam10YR 3/2very dark gray ish brownsubsol628 $0 - 21$ sandy loam10YR 3/3dark vellowish brownsubsol629 $0 - 16$ sand10YR 3/3dark brownsubsol629 $0 - 16$ silty sand10YR 3/3dark browndepth630 $0 - 37$ sand10YR 3/3dark browndepth631 $0 - 37$ sand10YR 3/3dark browndepth632 $0 - 46$ sand10YR 3/3dark browndepth </td <td>623</td> <td>0 - 30</td> <td>silty sand</td> <td></td> <td>10YR 4/3</td> <td>brown</td> <td></td>	623	0 - 30	silty sand		10YR 4/3	brown	
624 0 - 23 silly loam 10YR 2/2 very dark brown 23 - 35 sand 10YR 5/1 gray subsoil 35 - 64 sand 10YR 6/1 gray subsoil 625 0 - 22 silty loam 10YR 4/6 dark yellowish brown 22 - 38 sand 10YR 4/6 dark yellowish brown subsoil 626 0 - 22 silty loam 10YR 5/1 gray subsoil 626 0 - 28 sand 10YR 5/1 gray subsoil 626 0 - 28 sand 10YR 5/1 gray subsoil 627 0 - 28 sand 10YR 5/1 gray subsoil 628 0 - 24 sand 10YR 5/1 gray subsoil 627 0 - 24 sandy loam 10YR 3/2 very dark grayish brown subsoil 628 0 - 21 sandy loam 10YR 3/2 very dark grayish brown subsoil 628 0 - 21 sand 10YR 3/3 dark brown		30 - 55	coarse sand		2.5Y 4/1	dark gray	subsoil/water
23 · 35sand and10YR 5/1 0ray drk yellowish browngray drk yellowish brown35 · 64sand10YR 4/6dark yellowish brownsubsoil6250 · 22sily loam10YR 5/1 graygraysubsoil6260 · 22sand10YR 4/6dark yellowish brownsubsoil88 · 62sand10YR 5/1 graygraysubsoil6260 · 28sand10YR 5/6yellowish brownsubsoil6270 · 28sand10YR 5/1 graygraysubsoil628sand10YR 5/1 graygraysubsoil6290 · 28sand10YR 3/2 grayvery dark brownsubsoil6290 · 24sandy loam10YR 3/2 grayvery dark grayish brownsubsoil6290 · 21sandy loam10YR 3/2 grayvery dark grayish brownsubsoil6290 · 16sily sand10YR 3/3 graydark vellowish brownsubsoil6200 · 23sily sand10YR 3/3 graydark browndepth6310 · 37sand10YR 3/3 graydark browndepth6310 · 37sand10YR 3/3 graydark browndepth6320 · 46sily sand10YR 3/3 graydark browndepth6330 · 29sily sand10YR 3/3 graydark browndepth6340 · 29sily sand10YR 3/3 graydark brownsubsoil6350 ·	624	0 - 23	silty loam		10YR 2/2	very dark brown	
sand10YR 4/6dark yellowish brown35 - 64sand10YR 5/1graysubsoil6250 - 22slily loam10YR 2/1black22 - 38sand10YR 4/6dark yellowish brownsubsoil38 - 62sand10YR 5/1graysubsoil6260 - 28slily loam10YR 2/2very dark brownsubsoil6270 - 28sand10YR 5/1graysubsoil6280 - 28sand10YR 5/1graysubsoil6290 - 24sandy loam10YR 3/2very dark grayish brownsubsoil6280 - 21sandy loam10YR 3/2very dark grayish brownsubsoil6290 - 16sandy loam10YR 3/2very dark grayish brownsubsoil6290 - 16sandy loam10YR 3/3dark vellowish brownsubsoil6290 - 16sandy loam10YR 3/3dark brownsubsoil6300 - 23sand10YR 3/3dark browndepth6310 - 37silly sand10YR 3/3dark browndepth6310 - 37sand10YR 3/3dark browndepth6320 - 28sand10YR 3/3dark browndepth6330 - 28sand10YR 3/3dark browndepth6340 - 28sand10YR 3/3dark brownsubsoil6330 - 28sand10YR 3/3dark brownsubsoil6340 - 28<		23 - 35	sand		10YR 5/1	gray	
35 - 64sand10YR 5/1graysubsoil625 $0 - 22$ silty loam10YR 2/1black22 - 38sand10YR 4/6dark yellowish brown10YR 5/1gray10YR 5/110YR 5/110YR 5/110YR 5/110YR 5/110YR 5/110YR 5/110YR 5/110YR			sand		10YR 4/6	dark yellowish brown	
6250 - 22silty loam10YR 2/1black22 - 38sand10YR 4/6dark yellowish brown38 - 62sand10YR 5/6yellowish brown38 - 62sand10YR 5/6yellowish brown2660 - 28silty loam10YR 2/2very dark brown28 - 48sand10YR 5/1graysand10YR 5/1graysubsoil45 - 68sand10YR 5/1gray24 - 66sand10YR 5/6yellowish brown24 - 66sand10YR 5/6yellowish brown21 - 65sand10YR 3/2very dark grayish brown21 - 65sand10YR 3/3dark brown16 - 83sand10YR 3/3dark brown6300 - 23silty sand10YR 3/3dark brown37 - 76sand10YR 3/3dark brown37 - 76sand10YR 3/3dark brown46 - 67sand10YR 3/3dark brown47 - 68sand10YR 3/3dark brown38 - 70fine sand10YR 3/3dark brown35 - 70fine sand10YR 4/1dark graysubsoil		35 - 64	sand		10YR 5/1	gray	subsoil
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	625	0 - 22	silty loam		10YR 2/1	black	
sand10YR 5/1 9776gray yellowish brownsubsoil6260 - 28silty loam10YR 5/6yellowish brownsubsoil6260 - 28sand10YR 2/2very dark brown		22 - 38	sand		10YR 4/6	dark yellowish brown	
38 - 62 sand 10YR 5/6 yellowish brown subsoil 626 0 - 28 silly loam 10YR 2/2 very dark brown 28 - 48 sand 10YR 5/1 gray 28 - 48 sand 10YR 5/1 gray subsoil 30 - 20 subsoil 627 0 - 24 sandy loam 10YR 5/6 yellowish brown subsoil 627 0 - 24 sandy loam 10YR 5/6 yellowish brown subsoil 628 0 - 21 sandy loam 10YR 5/6 yellowish brown subsoil 629 0 - 16 silty sand 10YR 3/3 dark prown dark prown 630 0 - 23 silty sand 10YR 3/3 dark brown depth 631 0 - 37 silty sand 10YR 3/3 dark vellowish brown depth 632 0 - 46 silty sand 10YR 3/3 dark vellowish brown depth 633 0 - 29 silty sand 10YR 3/3 dark brown depth 633 0 - 29			sand		10YR 5/1	gray	
6260 - 28silty loam10YR 2/2very dark brown28 - 48sand10YR 5/1gray3and10YR 4/6dark yellowish brown45 - 68sand10YR 5/1gray6270 - 24sandy loam10YR 3/2very dark grayish brown24 - 66sand10YR 5/6yellowish brownsubsoil6280 - 21sandy loam10YR 3/2very dark grayish brown21 - 65sand10YR 3/2very dark grayish brown21 - 65sand10YR 3/3dark brown21 - 65sand10YR 3/3dark brown23 - 76sand10YR 3/3dark brown23 - 76sand10YR 3/3dark brown37 - 76sand10YR 3/3dark brown6320 - 46silty sand10YR 3/3dark brown46 - 67sand10YR 3/3dark brown47 - 56sand10YR 3/3dark brown47 - 57sand10YR 3/3dark brown47 - 58sand10YR 3/3dark brown48 - 67sand10YR 3/3dark brown46 - 67sand10YR 3/3dark brown <td>38 - 62</td> <td>sand</td> <td></td> <td>10YR 5/6</td> <td>yellowish brown</td> <td>subsoil</td>		38 - 62	sand		10YR 5/6	yellowish brown	subsoil
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	626	0 - 28	silty loam		10YR 2/2	very dark brown	
sand10YR 4/6dark yellowish brown $45 - 68$ sand10YR 5/1graysubsoil6270 - 24sandy loam10YR 3/2very dark grayish brownsubsoil $24 - 66$ sand10YR 5/6yellowish brownsubsoil6280 - 21sandy loam10YR 3/2very dark grayish brownsubsoil6290 - 16silty sand10YR 3/3dark browndepth6300 - 23silty sand10YR 3/3dark browndepth6310 - 37silty sand10YR 3/3dark browndepth6310 - 37silty sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark browndepth6330 - 46silty sand10YR 3/3dark browndepth6340 - 37silty sand10YR 3/3dark browndepth6350 - 46silty sand10YR 3/3dark browndepth6340 - 37silty sand10YR 3/3dark browndepth6350 - 46silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark browndepth6340 - 29silty sand10YR 3/3dark brownsubsoil63570fine sand10YR 3/4dark brownsubsoil		28 - 48	sand		10YR 5/1	gray	
45 - 68sand10YR 5/1graysubsoil6270 - 24sandy loam10YR 3/2very dark grayish brownsubsoil24 - 66sand10YR 5/6yellowish brownsubsoil6280 - 21sandy loam10YR 3/2very dark grayish brownsubsoil6290 - 16silty sand10YR 3/3dark browndepth6300 - 23silty sand10YR 3/3dark browndepth6310 - 37silty sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark browndepth6340 - 29silty sand10YR 3/3dark browndepth6350 - 29silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark browndepth6340 - 29silty sand10YR 3/3dark browndepth63570fine sand10YR 3/3dark browndepth6340 - 29silty sand10YR 3/3dark browndark brown63570fine sand10YR 3/3dark brownsubsoil63570fine sand10YR 3/4dark brownsubsoil			sand		10YR 4/6	dark yellowish brown	
6270 - 24sandy loam10YR 3/2very dark grayish brownsubsoil24 - 66sand10YR 5/6yellowish brownsubsoil6280 - 21sandy loam10YR 3/2very dark grayish brown21 - 65sand10YR 3/2yellowish brownsubsoil6290 - 16silty sand10YR 3/3dark brown16 - 83sand10YR 3/3dark browndepth6300 - 23silty sand10YR 3/3dark brown23 - 76sand10YR 3/3dark browndepth6310 - 37silty sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark browndepth6330 - 29sand10YR 3/3dark browndepth6340 - 29silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark brownsubsoil6330 - 29silty sand10YR 3/3dark brownsubsoil6330 - 29silty sand10YR 3/3dark brownsubsoil6340 - 29silty sand10YR 3/3dark brownsubsoil635 - 70fine sand10YR 5/6yellowish brownsubsoil		45 - 68	sand		10YR 5/1	gray	subsoil
24 - 66sand10YR 5/6yellowish brownsubsoil6280 - 21sandy loam10YR 3/2very dark grayish brownsubsoil6290 - 16silty sand10YR 3/3dark browndepth6300 - 23silty sand10YR 3/3dark browndepth6310 - 37sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark browndepth6320 - 29silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark browndepth6340 - 29silty sand10YR 3/3dark browndepth6350 - 29silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark brownsubsoil6330 - 29silty sand10YR 3/3dark brownsubsoil6330 - 29silty sand10YR 3/3dark brownsubsoil6340 - 29silty sand10YR 3/3dark brownsubsoil63570fine sand10YR 4/1dark graysubsoil	627	0 - 24	sandy loam		10YR 3/2	very dark grayish brown	
6280 - 21sandy loam10YR 3/2very dark grayish brown21 - 65sand10YR 5/6yellowish brownsubsoil6290 - 16silty sand10YR 3/3dark brown16 - 83sand10YR 3/3dark yellowish browndepth6300 - 23silty sand10YR 3/3dark brown23 - 76sand10YR 3/3dark browndepth6310 - 37silty sand10YR 3/3dark brown37 - 76sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark brown46 - 67sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brownyellowish brown35 - 70fine sand10YR 4/1dark graysubsoil		24 - 66	sand		10YR 5/6	yellowish brown	subsoil
21 - 65sand10YR 5/6yellowish brownsubsoil6290 - 16silty sand10YR 3/3dark browndepth16 - 83sand10YR 4/6dark yellowish browndepth6300 - 23silty sand10YR 3/3dark browndepth6310 - 37sand10YR 3/3dark browndepth6310 - 37silty sand10YR 3/3dark browndepth6320 - 46sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark brownsubsoil6330 - 29silty sand10YR 3/3dark brownsubsoil6340 - 29silty sand10YR 3/3dark brownsubsoil63570fine sand10YR 5/6yellowish brownsubsoil	628	0 - 21	sandy loam		10YR 3/2	very dark grayish brown	
6290 - 16silty sand10YR 3/3dark brown16 - 83sand10YR 4/6dark yellowish browndepth6300 - 23silty sand10YR 3/3dark brown23 - 76sand10YR 4/6dark yellowish browndepth6310 - 37silty sand10YR 3/3dark brown37 - 76sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark brown46 - 67sand10YR 3/3dark brown46 - 67sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brown35 - 70fine sand10YR 4/1dark graysubsoil		21 - 65	sand		10YR 5/6	yellowish brown	subsoil
16 - 83sand10YR 4/6dark yellowish browndepth6300 - 23silty sand10YR 3/3dark browndepth23 - 76sand10YR 4/6dark yellowish browndepth6310 - 37silty sand10YR 3/3dark browndepth6320 - 46silty sand10YR 3/3dark browndepth6330 - 29silty sand10YR 3/3dark brownsubsoil6330 - 29silty sand10YR 3/3dark brownsubsoil6340 - 29silty sand10YR 3/3dark brownsubsoil63570fine sand10YR 4/1dark graysubsoil	629	0 - 16	silty sand		10YR 3/3	dark brown	
6300 - 23silty sand10YR 3/3dark brown23 - 76sand10YR 4/6dark yellowish browndepth6310 - 37silty sand10YR 3/3dark brown37 - 76sand10YR 4/4dark yellowish browndepth6320 - 46silty sand10YR 3/3dark brown46 - 67sand10YR 4/1dark graysubsoil6330 - 29silty sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brownsubsoil35 - 70fine sand10YR 4/1dark graysubsoil		16 - 83	sand		10YR 4/6	dark yellowish brown	depth
23 - 76sand10YR 4/6dark yellowish browndepth6310 - 37silly sand10YR 3/3dark brown37 - 76sand10YR 4/4dark yellowish browndepth6320 - 46silly sand10YR 3/3dark brown46 - 67sand10YR 4/1dark graysubsoil6330 - 29silly sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brownsubsoil35 - 70fine sand10YR 4/1dark graysubsoil	630	0 - 23	silty sand		10YR 3/3	dark brown	
6310 - 37silty sand10YR 3/3dark brown37 - 76sand10YR 4/4dark yellowish browndepth6320 - 46silty sand10YR 3/3dark brown46 - 67sand10YR 4/1dark graysubsoil6330 - 29silty sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brown35 - 70fine sand10YR 4/1dark graysubsoil		23 - 76	sand		10YR 4/6	dark yellowish brown	depth
37 - 76sand10YR 4/4dark yellowish browndepth6320 - 46silty sand10YR 3/3dark brown46 - 67sand10YR 4/1dark graysubsoil6330 - 29silty sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brown35 - 70fine sand10YR 4/1dark graysubsoil	631	0 - 37	silty sand		10YR 3/3	dark brown	
632 0 - 46 silty sand 10YR 3/3 dark brown 46 - 67 sand 10YR 4/1 dark gray subsoil 633 0 - 29 silty sand 10YR 3/3 dark brown 29 - 35 fine sand 10YR 5/6 yellowish brown 35 - 70 fine sand 10YR 4/1 dark gray subsoil		37 - 76	sand		10YR 4/4	dark yellowish brown	depth
46 - 67sand10YR 4/1dark graysubsoil6330 - 29silty sand10YR 3/3dark brown29 - 35fine sand10YR 5/6yellowish brown35 - 70fine sand10YR 4/1dark graysubsoil	632	0 - 46	silty sand		10YR 3/3	dark brown	
633 0 - 29 silty sand 10YR 3/3 dark brown 29 - 35 fine sand 10YR 5/6 yellowish brown 35 - 70 fine sand 10YR 4/1 dark gray subsoil		46 - 67	sand		10YR 4/1	dark gray	subsoil
29 - 35fine sand10YR 5/6yellowish brown35 - 70fine sand10YR 4/1dark graysubsoil	633	0 - 29	silty sand		10YR 3/3	dark brown	
35 - 70fine sand10YR 4/1dark graysubsoil		29 - 35	fine sand		10YR 5/6	yellowish brown	
		35 - 70	fine sand		10YR 4/1	dark gray	subsoil

	Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Color		<u>Termination</u> Reason
Area: 1						
634	0 - 31	silty sand		10YR 3/2	very dark grayish brown	
	31 - 47	sand		10YR 4/6	dark yellowish brown	
	47 - 68	sand		10YR 4/1	dark gray	subsoil
635	0 - 30	silty sand		10YR 3/4	dark yellowish brown	
	30 - 39	fine sand		10YR 5/6	yellowish brown	
	39 - 66	fine sand		10YR 4/1	dark gray	subsoil
636	0 - 34	silty sand		10YR 3/3	dark brown	
	34 - 83	sand		10YR 4/6	dark yellowish brown	depth
637	0 - 31	silty sand		10YR 3/4	dark yellowish brown	
	31 - 57	fine sand		10YR 5/6	yellowish brown	
	57 - 70	fine sand		10YR 4/2	dark grayish brown	subsoil
638	0 - 49	silty sand		10YR 5/6	yellowish brown	
	49 - 70	coarse sand		2.5Y 4/1	dark gray	subsoil/water
639	0 - 25	silty sand		10YR 5/4	yellowish brown	
	25 - 55	silty sand		10YR 5/6	yellowish brown	
	55 - 76	fine sand		10YR 5/3	brown	subsoil
640	0 - 40	silty sand		10YR 5/6	yellowish brown	
	40 - 70	coarse sand		2.5Y 4/1	dark gray	subsoil/water
641	0 - 33	silty sand		10YR 4/3	brown	
	33 - 38	fine sand		10YR 4/6	dark yellowish brown	
	38 - 66	fine sand		10YR 5/2	grayish brown	subsoil/water
642	0 - 33	silty sand		10YR 4/3	brown	
	33 - 48	sand	gravel	10YR 3/2	very dark grayish brown	
	48 - 72	silty sand		10YR 5/6	yellowish brown	subsoil/water
		silty sand		2.5Y 4/1	dark gray	subsoil/water
643	0 - 31	silty sand		10YR 3/3	dark brown	
	31 - 36	fine sand		10YR 5/4	yellowish brown	
	36 - 67	fine sand		10YR 4/2	dark grayish brown	subsoil
644	0 - 31	sandy loam		10YR 4/4	dark yellowish brown	
	31 - 45	sand		10YR 4/1	dark gray	
		sand		10YR 4/4	dark yellowish brown	
	45 - 80	sand		10YR 5/1	gray	subsoil
Area: 2						
1001	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 74	fine sand		10YR 5/4	yellowish brown	subsoil
1002	0 - 28	silty sand		10YR 3/3	dark brown	
	28 - 72	fine sand		10YR 5/4	yellowish brown	subsoil
-						

	Depth (cm)	Soil Type	Soil Inclusions	<u>Munsell Colo</u>	<u>r</u>	<u>Termination</u> Reason
Area: 2						
1003	0 - 22	silty sand		10YR 3/3	dark brown	
		silty sand		10YR 5/6	yellowish brown	
	22 - 58	fine sand		10YR 5/6	yellowish brown	
		fine sand		10YR 5/2	grayish brown	
	58 - 72	fine sand		10YR 5/2	grayish brown	subsoil
1004	0 - 5	sand	humus	10YR 2/1	black	
	5 - 18	fine sand		10YR 5/3	brown	
	18 - 79	fine sand		10YR 5/4	yellowish brown	subsoil
1005	0 - 12	fine silty sand		10YR 2/2	very dark brown	
	12 - 29	fine sand		10YR 4/3	brown	
	29 - 70	fine sand		10YR 5/6	yellowish brown	subsoil
1006	0 - 10	fine silty sand		10YR 2/2	very dark brown	
	10 - 24	fine sand		10YR 3/3	dark brown	
	24 - 82	fine sand		10YR 5/6	yellowish brown	subsoil
1007	0 - 24	sand	humus	10YR 3/2	very dark grayish brown	
	24 - 60	silty sand		10YR 3/4	dark yellowish brown	
	60 - 75	silty sand		10YR 4/6	dark yellowish brown	subsoil
1008	0 - 10	sand	humus	10YR 2/2	very dark brown	
	10 - 28	silty sand		10YR 3/4	dark yellowish brown	
	28 - 68	silty sand		10YR 4/6	dark yellowish brown	subsoil
1009	0 - 8	sand	humus	10YR 3/3	dark brown	
	8 - 65	silty sand		10YR 4/6	dark yellowish brown	subsoil
1010	0 - 26	sand	humus	2.5Y 3/2	very dark grayish brown	
	26 - 46	silty sand		10YR 3/3	dark brown	
	46 - 65	silty sand		10YR 4/6	dark yellowish brown	subsoil
1011	0 - 11	silty sand		10YR 3/2	very dark grayish brown	
	11 - 68	silty sand		10YR 3/3	dark brown	
	68 - 78	silty sand		10YR 3/6	dark yellowish brown	subsoil
1012	0 - 30	silty sand		10YR 3/3	dark brown	
	30 - 50	silty sand		10YR 3/6	dark yellowish brown	
	50 - 65	sand	charcoal	10YR 2/1	black	
	65 - 80	sand		7.5YR 4/6	strong brown	
	80 - 100	sand		10YR 6/1	gray	subsoil
1013	0 - 32	silty sand		10YR 3/3	dark brown	
	32 - 54	silty sand		10YR 3/6	dark yellowish brown	
	54 - 63	sand	charcoal	10YR 2/1	black	
	63 - 75	sand		7.5YR 5/6	strong brown	
	75 - 100	sand		10YR 6/6	brownish yellow	subsoil
1014	0 - 24	silty sand		10YR 3/2	very dark grayish brown	
	24 - 54	silty sand		10YR 3/3	dark brown	water

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color		Reason
Area: 2						
1015	0 - 34	sandy loam		10YR 4/3	brown	
	34 - 60	sand		10YR 4/6	dark yellowish brown	water
1016	0 - 30	sandy loam		10YR 4/3	brown	
	30 - 79	sand		10YR 4/6	dark yellowish brown	
	79 - 87	sand		10YR 2/1	black	
	87 - 108	sand		10YR 5/1	gray	subsoil
1017	0 - 30	sandy loam		10YR 4/3	brown	
	30 - 56	sand		10YR 4/6	dark yellowish brown	
	56 - 60	silty loam		10YR 3/6	dark yellowish brown	
	60 - 64	silty loam		10YR 2/1	black	
	64 - 85	sand		10YR 5/1	gray	subsoil
1018	0 - 28	sandy loam		10YR 4/3	brown	
	28 - 44	sand		10YR 4/6	dark yellowish brown	
	44 - 50	sand		10YR 3/6	dark yellowish brown	
	50 - 53	sand		10YR 2/1	black	
	53 - 81	sand		10YR 5/1	gray	subsoil
1019	0 - 30	sandy loam		10YR 2/2	very dark brown	
	30 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
1020	0 - 11	sandy loam		10YR 2/1	black	
	11 - 25	sand		10YR 3/4	dark yellowish brown	
		sand		10YR 5/6	yellowish brown	
	25 - 71	sand		10YR 5/6	yellowish brown	subsoil
1021	0 - 12	sandy loam		10YR 4/4	dark yellowish brown	
	12 - 19	sand		10YR 3/4	dark yellowish brown	
	19 - 76	sand		10YR 4/6	dark yellowish brown	subsoil
1022	0 - 95	sand		10YR 4/6	dark yellowish brown	depth
1023	0 - 10	silty sandy loam		10YR 3/2	very dark grayish brown	
	10 - 32	silty sand		10YR 4/3	brown	
	32 - 83	silty sand		10YR 5/6	yellowish brown	subsoil
1024	0 - 6	silty sandy loam		10YR 3/2	very dark grayish brown	
	6 - 32	silty sand		10YR 4/3	brown	
	32 - 67	silty sand		10YR 5/6	yellowish brown	subsoil
1025	0 - 5	silty sandy loam		10YR 3/2	very dark grayish brown	
	5 - 22	silty sand		10YR 4/3	brown	
	22 - 71	silty sand		10YR 5/6	yellowish brown	subsoil
1026	0 - 5	silty sand		10YR 3/3	dark brown	
	5 - 13	fine sand		10YR 5/4	yellowish brown	
	13 - 74	fine sand		10YR 5/6	yellowish brown	subsoil

	<u>Depth (cm)</u>	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> Reason
Area: 2						
1027	0 - 29	fine silty sand		10YR 4/3	brown	
	29 - 39	fine sand		10YR 4/4	dark yellowish brown	
	39 - 43	organic		5YR 3/4	dark reddish brown	
	43 - 47	organic		10YR 2/1	black	
	47 - 65	fine sand		10YR 4/1	dark gray	subsoil
1028	0 - 26	fine silty sand		10YR 3/3	dark brown	
	26 - 46	fine sand		10YR 4/4	dark yellowish brown	
	46 - 48	organic		5YR 3/4	dark reddish brown	
	48 - 50	organic		10YR 2/1	black	
	50 - 70	fine sand		10YR 4/1	dark gray	subsoil
1029	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 77	fine sand		10YR 5/4	yellowish brown	subsoil
1030	0 - 30	fine silty sand		10YR 4/3	brown	
	30 - 55	fine sand		10YR 4/4	dark yellowish brown	
	55 - 66	fine sand		10YR 5/4	yellowish brown	
	66 - 69	fine sand		10YR 4/4	dark yellowish brown	
	69 - 71	fine sand		10YR 3/2	very dark grayish brown	
	71 - 86	fine sand		10YR 5/4	yellowish brown	subsoil
1031	0 - 24	silty sand		10YR 3/3	dark brown	
	24 - 70	fine sand		10YR 5/6	yellowish brown	subsoil
		fine sand		10YR 4/1	dark gray	subsoil
1032	0 - 24	sandy loam		10YR 3/6	dark yellowish brown	
	24 - 75	sand		10YR 4/6	dark yellowish brown	
	75 - 103	sand		10YR 3/4	dark yellowish brown	depth
1033	0 - 47	sandy loam		10YR 4/4	dark yellowish brown	
	47 - 66	silty sand		10YR 2/1	black	
		silty sand		5YR 4/6	yellowish red	
	66 - 94	sand		10YR 5/1	gray	subsoil
1034	0 - 45	sandy loam		10YR 4/6	dark yellowish brown	
	45 - 73	silty sand		10YR 2/1	black	
		silty sand		10YR 5/1	gray	
	73 - 100	sand		10YR 5/1	gray	subsoil
1035	0 - 42	sand		10YR 4/6	dark yellowish brown	
	42 - 65	silty sand		10YR 2/1	black	
		silty sand		5YR 3/4	dark reddish brown	
	65 - 83	sand		10YR 5/1	gray	subsoil
1036	0 - 24	silty sand		10YR 4/3	brown	
	24 - 56	sand		10YR 4/6	dark yellowish brown	
	56 - 70	silty sand		10YR 2/1	black	
	70 - 85	sand		10YR 5/1	gray	subsoil

Area: 2 1037 0 - 28 sandy loam 10YR 2/2 very dark brown sandy loam 10YR 5/6 yellowish brown 28 - 45 sand 10YR 5/1 gray sand 10YR 5/6 yellowish brown 45 - 71 sand 10YR 5/1 gray subsoit 10YR 5/1 gray subsoit 1038 0 - 11 silty sand bumus 10YR 3/1 yery dark gray	
1037 0 - 28 sandy loam 10YR 2/2 very dark brown sandy loam 10YR 5/6 yellowish brown 28 - 45 sand 10YR 5/1 gray sand 10YR 5/6 yellowish brown 45 - 71 sand 10YR 5/1 gray subsoit 10YR 5/1 gray subsoit 1038 0 - 11 silty sand bumus 10YR 3/1 yery dark gray	
sandy loam 10YR 5/6 yellowish brown 28 - 45 sand 10YR 5/1 gray sand 10YR 5/6 yellowish brown 45 - 71 sand 10YR 5/1 gray sand 10YR 5/1 gray subsoi 1038 0 - 11 silty sand bumus 10YR 3/1 yery dark gray	
28 - 45 sand 10YR 5/1 gray sand 10YR 5/6 yellowish brown 45 - 71 sand 10YR 5/1 gray 1038 0 - 11 silty sand bumus 10YR 3/1 yery dark gray	
sand10YR 5/6yellowish brown45 - 71sand10YR 5/1graysubsoi10380 - 11silty sandbumus10YR 3/1yery dark gray	
45 - 71 sand 10YR 5/1 gray subsoi 1038 0 - 11 silty sand humus 10YR 3/1 yery dark gray	
1038 0 - 11 silty sand humus 10VR 3/1 yery dark gray	
11 - 20fine sand10YR 4/4dark yellowish brown	
20 - 73 fine sand 10YR 5/6 yellowish brown subsoi	
1039 0 - 28 silty sand 10YR 3/2 very dark grayish brown	
28 - 82fine sand10YR 5/4yellowish brownsubsoi	
1040 0 - 25 silty sand 10YR 5/6 yellowish brown	
silty sand 10YR 3/3 dark brown	
25 - 29 fine silty sand 10YR 2/1 black	
29 - 55 fine sand 10YR 5/6 yellowish brown	
55 - 70 fine sand 10YR 5/4 yellowish brown subsoi	
fine sand 10YR 5/6 yellowish brown subsoi	
1041 0 - 12 silty sandy loam 10YR 3/2 very dark grayish brown	
12 - 52 silty sand 10YR 5/6 yellowish brown	
52 - 67 silty loam 10YR 2/1 black	
67 - 86 sand 10YR 4/1 dark gray subsoi	
1042 0 - 15 silty sand 10YR 3/2 very dark grayish brown	
15 - 89 silty sand 10YR 5/6 yellowish brown subsoi	
silty sand 10YR 4/1 dark gray subsoi	
1043 0 - 14 silty sand 10YR 3/2 very dark grayish brown	
14 - 26 silty sand 10YR 4/3 brown	
26 - 69 silty sand 10YR 5/6 yellowish brown subsoi	
1044 0 - 10 fine silty sand 10YR 3/3 dark brown	
10 - 29 fine sand 10YR 3/3 dark brown	
fine sand 10YR 5/4 yellowish brown	
29 - 71fine sand10YR 4/1dark graysubsoi	
fine sand 10YR 5/6 yellowish brown subsoi	
1045 0 - 32 silty sand 10YR 3/3 dark brown	
32 - 65 silty sand 10YR 4/6 dark yellowish brown	
65 - 72 organic charcoal 10YR 2/1 black	
72 - 80 sand 7.5YR 4/6 strong brown	
80 - 85 sand 10YR 6/6 brownish yellow subsoi	
1046 0 - 25 silty sand 10YR 3/3 dark brown	
25 - 48silty sand10YR 4/6dark yellowish brown	
48 - 54 organic charcoal 10YR 2/1 black	
54 - 64 sand 7.5YR 4/6 strong brown	
64 - 75 sand 10YR 6/6 brownish yellow subsoi	

Area: 2 Image: 2		Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Ľ	<u>Termination</u> Reason
1047 0-26 sily sand 10YR 3/3 dark yelowish brown 26 - 56 sand organics 10YR 4/6 dark yelowish brown 66 - 69 sand 7.5YR 4/6 strong black 67 - 69 sand 10YR 6/4 light yelowish brown subsoli 1048 0 - 33 sily sand 10YR 6/4 dark yelowish brown 33 - 58 sily sand charcoal 10YR 3/3 dark brown 58 - 65 sily sand charcoal 10YR 3/4 dark brown subsoli 1049 0 - 5 sily sand charcoal 10YR 3/2 very dark grayish brown subsoli 1050 0 - 12 sily sand organics 10YR 3/2 very dark grayish brown subsoli 1051 0 - 10 sily sand organics 10YR 3/2 very dark grayish brown 1051 0 - 10 sily sand organics 10YR 3/2 very dark gray ish brown 1052 0 - 21 sily sand organics 10YR 3/2 very dark gray ish brown 1052 0 - 21 sily sand organics <t< td=""><td>Area: 2</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Area: 2						
28 - 66 sily sand 1078 4/6 dark pellowish brown 58 - 65 sand 1078 2/1 black 69 - 75 sand 1078 6/4 light yellowish brown subsall 1048 0 - 33 sily sand 1078 6/4 light yellowish brown subsall 107 64 dark yellowish brown subsall water 1049 0 - 5 sily sand charcoal 1078 4/6 dark yellowish brown subsall 1049 0 - 5 sily sand charcoal 1078 4/6 dark yellowish brown subsall 1050 0 - 12 sily sand 1078 4/6 dark yellowish brown subsall 1050 0 - 12 sily sand 1078 3/2 Very dark grayish brown subsall 1051 0 - 10 sily sand 1078 3/2 Very dark gray ish brown subsall 1051 0 - 10 sily sand 1078 3/2 Very dark gray ish brown subsall 1051 0 - 10 sily sand 1078 3/2 Very dark gray ish brown s	1047	0 - 26	silty sand		10YR 3/3	dark brown	
56 - 65 sand organics 10 VR 2/1 black 65 - 69 sand 7.5 VR 4/6 strong brown subsoil 1048 0 - 33 silty sand 10 VR 4/4 dark yellowish brown subsoil 1048 0 - 33 silty sand charcoal 10 VR 4/4 dark yellowish brown water 1049 0 - 5 silty sand charcoal 10 VR 3/3 dark yellowish brown water 1049 0 - 5 silty sand charcoal 10 VR 3/3 dark yellowish brown subsoil 1050 0 - 12 silty sand charcoal 10 VR 3/2 very dark grayish brown 12 - 53 silty sand organics 10 VR 3/2 very dark grayish brown 12 - 53 silty sand organics 10 VR 2/2 light brownish gray subsoil 1051 0 - 10 silty sand organics 10 VR 2/2 light thrownish gray subsoil 1052 0 - 21 silty sand organics 10 VR 2/2 light thrownish gray subsoil		26 - 56	silty sand		10YR 4/6	dark yellowish brown	
65 - 69 69 - 75sand7.5 YR 4/6strong brown light yellowish brownsubsail10480 - 33sity sand107 R 4/4dark yellowish brownsubsail33 - 58sity sandcharcoal107 R 4/6dark yellowish brownwater10490 - 5sity sandcharcoal107 R 3/2blackwater10490 - 5sity sand107 R 3/2very dark grayish brownsubsail10500 - 12sity sand107 R 3/2very dark grayish brownsubsail12 - 53sity sandorganics107 R 3/2very dark grayish brownsubsail12 - 53sity sandorganics107 R 3/2very dark grayish brownsubsail1640 - 10sity sand107 R 3/2very dark grayish brownsubsail10510 - 10sity sand107 R 3/2very dark grayish brownsubsail10520 - 21sity sand107 R 3/2very dark grayish brownsubsail10540 - 21sity sand107 R 3/2very dark grayish brownsubsail10540 - 21sity sand107 R 3/2very dark grayish brownsubsail105564organiccharcoal107 R 3/2very dark grayish brownsubsail10540 - 21sity sand107 R 3/2very dark grayish brownsubsail105564organiccharcoal107 R 3/2very dark grayish brownsubsail10560 - 21sity sand107 R 3/2 <td></td> <td>56 - 65</td> <td>sand</td> <td>organics</td> <td>10YR 2/1</td> <td>black</td> <td></td>		56 - 65	sand	organics	10YR 2/1	black	
69 - 75sand10YR 6/4light yellowish brownsubsail10480 - 33sitly sand10YR 4/4dark yellowish browndark yellowish brown58 - 65sitly sandcharcoal10YR 4/6dark yellowish brownwater10490 - 5sitly sand10YR 4/6dark yellowish brownsubsail10490 - 5sitly sand10YR 4/8dark yellowish brownsubsail10500 - 12sitly sand10YR 4/8dark yellowish brownsubsail12 - 53sitly sand10YR 4/6dark yellowish brownsubsail12 - 53sitly sand0rganics10YR 3/2very dark gray ish brown12 - 53sandorganics10YR 3/2very dark gray ish brown10 - 10sitly sand10YR 3/2very dark gray ish brown10 - 41sitly sandorganics10YR 3/2very dark gray ish brown10 - 41sitly sandorganics10YR 2/2very dark gray ish brown10 - 21sitly sand10YR 3/2very dark gray ish brownsubsail1050 - 21sitly sand10YR 3/2very dark gray ish brownsubsail1050 - 41sitly sandorganics10YR 3/2very dark gr		65 - 69	sand		7.5YR 4/6	strong brown	
1948 0 - 33 silty sand 10YR 4/4 dark yellowish brown 58 - 65 silty sand 10YR 4/6 dark yellowish brown water 1049 0 - 5 silty sand 10YR 3/3 dark brown subsol 5 - 65 silty sand 10YR 4/6 dark yellowish brown subsol 1050 0 - 12 silty sand 10YR 3/2 very dark graysh brown 12 - 53 silty sand organics 10YR 3/2 very dark graysh brown 13 - 64 sand organics 10YR 3/2 very dark grays subsol 1051 0 - 10 silty sand 10YR 3/2 very dark graysh brown dark yellowish brown 10 - 41 silty sand 10YR 3/2 very dark graysh brown dark yellowish brown 10 - 5 sand organics 10YR 3/2 very dark graysh brown 10 - 41 silty sand 10YR 3/2 very dark graysh brown 10 - 52 sand organics 10YR 3/2 very dark graysh brown 10 - 52 sand organic		69 - 75	sand		10YR 6/4	light yellowish brown	subsoil
33 - 88ality sand charcoal10YR 4/6 10'R 2/1dark yellowish brown water10490 - 5silty sand10'R 2/1blackwater10490 - 5silty sand10'R 3/2very dark grayish brownsubsoli10500 - 12silty sand10'R 3/2very dark grayish brown12 - 53silty sand10'R 3/2very dark grayish brownsubsoli12 - 63silty sandorganics10'R 3/2very dark grayish brown64 - 70sandorganics10'R 3/2very dark grayish brown10 - 10silty sand10'R 3/2very dark grayish brownsubsoli10 - 41silty sandorganics10'R 3/2very dark grayish brown11 - 43sandorganics10'R 3/2very dark grayish brown11 - 54sandorganics10'R 3/2very dark grayish brown11 - 54silty sand10'R 3/2very dark grayish brown11 - 55silty sand10'R 3/2very dark grayish brown11 - 55silty sand10'R 8/2light brownish graysubsoli11 - 55silty sand10'R 8/2light brownish frownsubsoli11 - 55silty sand10'R 8/2light brownish graysubsoli11 - 55silty sand10'R 8/2light brownish graysubsoli11 - 55silty sandorganics7.5'R 4/6strong brownsubsoli11 - 55silty sand10'R 8/2very dark grayish brownsubsoli	1048	0 - 33	silty sand		10YR 4/4	dark yellowish brown	
58 - 65 silty and charcoal 10YR 2/1 black water 1049 0 - 5 silty sand 10YR 3/3 dark brown suboil 5 - 65 silty sand 10YR 3/3 dark brown suboil 1050 0 - 12 silty sand 10YR 3/2 very dark grayish brown 53 - 64 sand organics 10YR 3/1 very dark grayish brown 53 - 64 sand organics 10YR 3/2 very dark grayish brown 64 - 70 sand organics 10YR 3/2 very dark grayish brown 1051 0 - 10 silty sand 10YR 3/2 very dark grayish brown 41 - 53 sand organics 10YR 3/2 very dark grayish brown 21 - 55 silty sand 10YR 3/2 very dark grayish brown subsoil 21 - 55 silty sand 10YR 3/2 very dark grayish brown subsoil 1052 0 - 21 silty sand 10YR 3/2 very dark grayish brown subsoil 1054 0 - 55 silty sand		33 - 58	silty sand		10YR 4/6	dark yellowish brown	
1049 0 - 5 silty sand 10YR 3/3 dark brown 5 - 65 silty sand 10YR 3/3 dark yellowish brown subsoil 1050 0 - 12 silty sand 10YR 3/2 very dark grayish brown 12 - 53 silty sand 10YR 3/2 very dark gray ish brown 64 - 70 sand organics 10YR 3/1 very dark gray ish brown 10 - 10 silty sand 10YR 3/2 very dark gray ish brown 10 - 41 silty sand 10YR 3/2 very dark gray ish brown 41 - 53 sand organics 10YR 2/1 bleck 53 - 64 organic 10YR 3/2 very dark gray ish brown 41 - 53 sand organics 10YR 2/1 bleck 53 - 64 organic charcoal 10YR 8/2 very dark gray ish brown 21 - 55 silty sand 10YR 8/2 very dark gray ish brown 41 - 55 silty sand 10YR 8/2 very dark gray ish brown 41 - 55 silty sand 10YR 8/2 very dark gray ish brown 42 - 56 sand organics 10YR 8/2 very dark gray ish brown 41 - 55 silty sand 10YR 8/2 very dark gray ish brown 42 - 66 sand		58 - 65	silty sand	charcoal	10YR 2/1	black	water
$5 \cdot 65$ silty sand10YR 4/6dark yellowish brownsubsail1050 $0 \cdot 12$ silty sand10YR 3/2very dark grayish brown $12 \cdot 53$ silty sand10YR 3/4very dark grayish brown $12 \cdot 53$ silty sand $10YR 3/4$ very dark gray subsoil104 $53 \cdot 64$ sandorganics $10YR 3/4$ very dark gray ish brownsubsoil1051 $0 \cdot 10$ silty sand $00YR 3/4$ very dark gray ish brown $10YR 3/6$ dark yellowish brown $10YR 3/6$ </td <td>1049</td> <td>0 - 5</td> <td>silty sand</td> <td></td> <td>10YR 3/3</td> <td>dark brown</td> <td></td>	1049	0 - 5	silty sand		10YR 3/3	dark brown	
1050 0 - 12 silty sand 10YR 3/2 very dark grayish brown 12 - 53 silty sand organics 10YR 3/1 very dark gray 64 - 70 sand organics 10YR 3/1 very dark gray 1051 0 - 10 silty sand 10YR 3/2 very dark graysh brown 1054 0 - 10 silty sand 10YR 3/2 very dark graysh brown 10 - 41 silty sand 10YR 3/2 very dark graysh brown 41 - 53 sand organics 10YR 3/2 very dark graysh brown 21 - 55 silty sand 10YR 3/2 very dark graysh brown subsoil 21 - 55 silty sand 10YR 3/2 very dark graysh brown subsoil 1052 0 - 21 silty sand 10YR 3/2 very dark graysh brown 55 - 64 organic charcoal 10YR 3/2 very dark graysh brown 41 - 55 silty sand 10YR 3/2 very dark graysh brown subsoil 1053 0 - 41 silty sand 10YR 3/2 very dark graysh brown		5 - 65	silty sand		10YR 4/6	dark yellowish brown	subsoil
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1050	0 - 12	silty sand		10YR 3/2	very dark grayish brown	
53 · 64sandorganics10YR 3/1very dark graysubsoil64 · 70sand10YR 6/2light brownish graysubsoil10510 · 10silty sand10YR 3/2very dark grayish brown10 · 41silty sand10YR 3/2very dark grayish brown11 · 53sandorganics10YR 2/1black53 · 65sand0rganic10YR 3/2very dark grayish brown10520 · 21silty sand10YR 3/2very dark grayish brown21 · 55silty sand10YR 3/2very dark grayish brown55 · 64organiccharcoal10YR 3/2very dark grayish brown55 · 64organiccharcoal10YR 3/2very dark grayish brown10530 · 41silty sand10YR 3/2very dark grayish brown55 · 62sandorganics10YR 4/6dark yellowish brown55 · 62sandorganics10YR 2/1black62 · 70sandorganics10YR 3/2very dark grayish brown55 · 62sandorganics7.5YR 4/6strong brown52 · 65silty sand10YR 3/2very dark grayish brownsubsoil10540 · 32silty sand10YR 3/2very dark grayish brownsubsoil1055sandcharcoal7.5YR 4/6strong brownsubsoil1056silty sandcharcoal10YR 3/4dark yellowish brownsubsoil1057sand10YR 5/6yellowish brownsubsoi		12 - 53	silty sand		10YR 4/6	dark yellowish brown	
64 - 70 sand 10YR 6/2 light brownish gray subsoil 1051 0 - 10 silty sand 10YR 3/2 very dark grayish brown 10 - 41 silty sand organics 10YR 3/6 dark yellowish brown subsoil 41 - 53 sand organics 10YR 2/1 black subsoil 1052 0 - 21 silty sand 10YR 3/2 very dark grayish brown 1052 0 - 21 silty sand 10YR 3/2 very dark grayish brown 55 - 64 organic charcoal 10YR 3/2 very dark grayish brown 64 - 75 sand organic charcoal 10YR 3/2 very dark grayish brown 1053 0 - 41 silty sand 0rganics 10YR 3/2 very dark grayish brown 41 - 55 sind organics 10YR 3/2 very dark grayish brown 62 - 70 sand organics 10YR 3/2 very dark grayish brown 32 - 56 silty sand		53 - 64	sand	organics	10YR 3/1	very dark gray	
1051 0 - 10 silty sand 10YR 3/2 very dark grayish brown 10 - 41 silty sand 10YR 3/6 dark yellowish brown 41 - 53 sand organics 10YR 2/1 black 53 - 65 sand 10YR 3/2 very dark grayish brown 1052 0 - 21 silty sand 10YR 3/2 very dark grayish brown 21 - 55 silty sand 10YR 3/2 very dark grayish brown 55 - 64 organic charcoal 10YR 3/2 very dark grayish brown 64 - 75 sand 10YR 3/2 very dark grayish brown 41 - 55 silty sand 10YR 3/2 very dark grayish brown 41 - 55 silty sand 10YR 3/2 very dark grayish brown 41 - 55 silty sand 10YR 3/2 very dark grayish brown 41 - 55 silty sand 0rganics 10YR 2/1 black 55 - 62 sand organics 10YR 8/6 strong brown 62 - 70 sand organics 10YR 8/6 strong brown 32 - 56 silty sand 10YR 8/6 strong brown subsoil		64 - 70	sand		10YR 6/2	light brownish gray	subsoil
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1051	0 - 10	silty sand		10YR 3/2	very dark grayish brown	
$ \begin{array}{ c c c c } & 41 - 53 & sand & organics & 10YR 2/1 & black \\ \hline 33 - 65 & sand & 10YR 6/2 & light brownish gray & subsoil \\ \hline 1052 & 0 - 21 & silty sand & 10YR 3/2 & very dark grayish brown \\ 21 - 55 & silty sand & 0YR 3/6 & dark yellowish brown \\ \hline 21 - 55 & silty sand & 0YR 3/6 & dark yellowish brown \\ \hline 55 - 64 & organic & charcoal & 10YR 2/1 & black \\ \hline 64 - 75 & sand & 0rganic & 10YR 3/2 & very dark grayish brown \\ \hline 64 - 75 & sand & 0rganic & 10YR 3/2 & very dark grayish brown \\ \hline 1053 & 0 - 41 & silty sand & 0rganics & 10YR 3/2 & very dark grayish brown \\ \hline 41 - 55 & silty sand & organics & 10YR 3/2 & very dark grayish brown \\ \hline 41 - 55 & sand & organics & 7.5YR 4/6 & strong brown \\ \hline 55 - 62 & sand & organics & 7.5YR 4/6 & strong brown \\ \hline 62 - 70 & sand & 0rganics & 7.5YR 4/6 & strong brown \\ \hline 62 - 70 & sand & charcoal & 7.5YR 4/6 & strong brown \\ \hline 1054 & 0 - 32 & silty sand & charcoal & 7.5YR 4/6 & strong brown \\ \hline 56 - 65 & sand & charcoal & 7.5YR 4/6 & strong brown \\ \hline 56 - 65 & sand & charcoal & 10YR 2/1 & black \\ \hline 65 - 75 & sand & charcoal & 10YR 3/2 & very dark grayish brown \\ \hline 1055 & 0 - 34 & silty sand \\ \hline 1054 & 0 - 34 & silty sand \\ \hline 1054 & 0 - 34 & silty sand \\ \hline 1055 & 0 - 34 & silty sand \\ \hline 1056 & 0 - 27 & silty sand \\ \hline 1057 & 0 - 27 & silty sand \\ \hline 1058 & 0 - 27 & silty sand \\ \hline 1059 & 0 - 27 & silty sand \\ \hline 1059 & 0 - 27 & silty sand \\ \hline 1050 & 0 - 27 & silty sand \\ \hline 1051 & 0 - 27 & silty sand \\ \hline 1052 & 0 - 27 & silty sand \\ \hline 1053 & 0 - 27 & silty sand \\ \hline 1054 & 0 - 27 & silty sand \\ \hline 1055 & 0 - 27 & silty sand \\ \hline 1057 & 0 - 27 & silty sand \\ \hline 1058 & 0 - 27 & silty sand \\ \hline 1059 & 0 - 27 & silty sand \\ \hline 1050 & 0 - 27 & silty sand \\ \hline 1050 & 0 - 27 & silty sand \\ \hline 1050 & 0 - 27 & silty sand \\ \hline 1050 & 0 - 27 & silty sand \\ \hline 1050 & 0 - 27 & silty sand \\ \hline 1051 & 0 - 27 & silty sand \\ \hline 1051 & 0 - 27 & silty sand \\ \hline 1052 & 0 - 27 & silty sand \\ \hline 1053 & 0 - 27 & silty sand \\ \hline 1054 & 0 - 27 & silty sand \\ \hline 1055 & 0 - 27 & silty sand \\ \hline 1055 & 0 - 27 & silty sand \\ \hline$		10 - 41	silty sand		10YR 3/6	dark yellowish brown	
53 - 65sand10YR 6/2light brownish graysubsoil10520 - 21silty sand10YR 3/2very dark grayish brown21 - 55silty sand10YR 3/6dark yellowish brown55 - 64organiccharcoal10YR 2/1black64 - 75sand10YR 8/2light brownish graysubsoil10530 - 41silty sand10YR 3/2very dark grayish brown41 - 55silty sandorganics10YR 2/1black55 - 62sandorganics10YR 2/1black56 - 62sandorganics10YR 2/1black62 - 70sandorganics10YR 3/2very dark grayish brown62 - 70sandorganics10YR 8/6strong brown32 - 56silty sand10YR 3/2very dark grayish brownsubsoil10540 - 32silty sandcharcoal10YR 3/2very dark grayish brown56 - 65sandcharcoal10YR 3/2very dark grayish brownsubsoil10550 - 34silty sandcharcoal10YR 5/6yellowish brownsubsoil10550 - 34silty sand10YR 3/4dark yellowish brownsubsoil1056 $2 - 66$ sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brownsubsoil10560 - 27silty sand10YR 3/3dark brownsubsoil10570 - 27silty sand10YR 3/3dark		41 - 53	sand	organics	10YR 2/1	black	
1052 0 - 21 silty sand 10 YR 3/2 very dark grayish brown 21 - 55 silty sand 10 YR 3/6 dark yellowish brown 55 - 64 organic charcoal 10 YR 2/1 black 64 - 75 sand 10 YR 3/2 very dark grayish brown 1053 0 - 41 silty sand 10 YR 3/2 very dark grayish brown 41 - 55 silty sand 10 YR 3/2 very dark grayish brown 41 - 55 silty sand 10 YR 2/1 black 55 - 62 sand organics 10 YR 2/1 black 62 - 70 sand organics 7.5 YR 4/6 strong brown 62 - 70 sand organics 10 YR 3/2 very dark grayish brown 32 - 56 silty sand 10 YR 3/2 very dark grayish brown 32 - 56 sand charcoal 7.5 YR 4/6 strong brown 32 - 56 sand charcoal 7.5 YR 4/6 strong brown 32 - 56 sand charcoal 10 YR 2/1 black 65 - 75 sand charcoal 7.5 YR 4/6 strong brown 34 - 42 silt 10 YR 5/6 yellowish brown subsoil 1055 0 - 34 silty sand		53 - 65	sand		10YR 6/2	light brownish gray	subsoil
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1052	0 - 21	silty sand		10YR 3/2	very dark grayish brown	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		21 - 55	silty sand		10YR 3/6	dark yellowish brown	
$ \begin{array}{c c c c c c c } \hline 64 - 75 & sand & 10YR 6/2 & light brownish gray & subsoil \\ \hline 1053 & 0 - 41 & silty sand & 10YR 3/2 & very dark grayish brown \\ \hline 41 - 55 & silty sand & organics & 10YR 2/1 & black \\ & sand & organics & 7.5YR 4/6 & strong brown \\ \hline 55 - 62 & sand & organics & 7.5YR 4/6 & strong brown \\ \hline 62 - 70 & sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 0 - 32 & silty sand & charcoal & 0YR 2/1 & black \\ & 32 - 56 & silty sand & charcoal & 7.5YR 4/6 & dark yellowish brown \\ \hline 32 - 56 & sand & charcoal & 7.5YR 4/6 & strong brown \\ \hline 56 - 65 & sand & charcoal & 0YR 2/1 & black \\ \hline 65 - 75 & sand & charcoal & 10YR 2/1 & black \\ \hline 65 - 75 & sand & charcoal & 10YR 5/6 & yellowish brown \\ \hline 1055 & 0 - 34 & silty sand & charcoal & 10YR 5/6 & yellowish brown \\ \hline 34 - 42 & silt & 10YR 5/1 & gray \\ \hline 34 - 42 & silt & 10YR 5/1 & gray \\ \hline 1056 & 0 - 27 & silty sand & 10YR 5/1 & gray \\ \hline 1056 & 0 - 27 & silty sand & 10YR 3/3 & dark brown \\ \hline 1057 & 0 - 27 & silty sand & 10YR 3/3 & dark brown \\ \hline 1058 & 0 - 27 & silty sand & 10YR 3/3 & dark brown \\ \hline 1059 & 0 - 27 & silty sand & 10YR 3/3 & dark brown \\ \hline 1050 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1051 & 0 - 27 & silty sand & 10YR 3/3 & dark brown \\ \hline 1052 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1053 & 0 - 27 & silty sand & 10YR 3/3 & dark brown \\ \hline 1054 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1055 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1055 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1055 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1056 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1057 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1057 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1058 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1058 & 0 - 27 & silty sand & 10YR 5/6 & yellowish brown & subsoil \\ \hline 1058 & 0 - 27 & silty sand & 10YR 5/6 & yello$		55 - 64	organic	charcoal	10YR 2/1	black	
1053 0 - 41 silty sand 10YR 3/2 very dark grayish brown 41 - 55 silty sand 0rganics 10YR 4/6 dark yellowish brown 55 - 62 sand organics 10YR 2/1 black 62 - 70 sand organics 7.5YR 4/6 strong brown 62 - 70 sand organics 7.5YR 4/6 strong brown 32 - 56 silty sand 10YR 3/2 very dark grayish brown 32 - 56 silty sand charcoal 7.5YR 4/6 strong brown 56 - 65 sand charcoal 7.5YR 4/6 strong brown 56 - 65 sand charcoal 7.5YR 4/6 strong brown 56 - 65 sand charcoal 7.5YR 4/6 strong brown 56 - 75 sand charcoal 10YR 2/1 black 65 - 75 sand charcoal 10YR 5/6 yellowish brown 34 - 42 silt 10YR 5/1 gray subsoil 1055 0 - 34 silty sand 10YR 5/1 gray subsoil 1054 0 - 27 silty sand <td></td> <td>64 - 75</td> <td>sand</td> <td></td> <td>10YR 6/2</td> <td>light brownish gray</td> <td>subsoil</td>		64 - 75	sand		10YR 6/2	light brownish gray	subsoil
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1053	0 - 41	silty sand		10YR 3/2	very dark grayish brown	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		41 - 55	silty sand		10YR 4/6	dark yellowish brown	
sandorganics7.5YR 4/6strong brown62 - 70sand10YR 5/6yellowish brownsubsoil10540 - 32silty sand10YR 3/2very dark grayish brown32 - 56silty sand10YR 4/6dark yellowish brown56 - 65sandcharcoal7.5YR 4/6strong brown56 - 65sandcharcoal10YR 2/1black65 - 75sandcharcoal10YR 5/6yellowish brownsubsoil10550 - 34silty sand10YR 3/4dark yellowish brownsubsoil105634 - 42silt10YR 5/1grayyellowish brown34 - 42silt10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brownsubsoil10560 - 27silty sand10YR 5/6yellowish brownsubsoil		55 - 62	sand	organics	10YR 2/1	black	
62 - 70sand10YR 5/6yellowish brownsubsoil10540 - 32silty sand10YR 3/2very dark grayish brown32 - 56silty sand10YR 4/6dark yellowish brown56 - 65sandcharcoal7.5YR 4/6strong brown56 - 65sandcharcoal10YR 2/1black65 - 75sandcharcoal10YR 5/6yellowish brownsubsoil10550 - 34silty sand10YR 3/4dark yellowish brownsubsoil34 - 42silt10YR 5/1graysubsoil34 - 42silt10YR 5/1graysubsoil42 - 66sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brown10573ilty sand10YR 5/6yellowish brownsubsoil10560 - 27silty sand10YR 3/3dark brown27 - 68silty sand10YR 5/6yellowish brownsubsoil			sand	organics	7.5YR 4/6	strong brown	
1054 0 - 32 silty sand 10YR 3/2 very dark grayish brown 32 - 56 silty sand 10YR 4/6 dark yellowish brown 56 - 65 sand charcoal 7.5YR 4/6 strong brown 56 - 65 sand charcoal 7.5YR 4/6 strong brown 65 - 75 sand charcoal 10YR 5/6 yellowish brown subsoil 1055 0 - 34 silty sand 10YR 3/4 dark yellowish brown subsoil 34 - 42 silt 10YR 2/1 black silt silt 10YR 5/1 gray 42 - 66 sand 10YR 5/1 gray subsoil subsoil 1056 0 - 27 silty sand 10YR 3/3 dark brown subsoil 1057 0 - 27 silty sand 10YR 5/6 yellowish brown subsoil		62 - 70	sand		10YR 5/6	yellowish brown	subsoil
32 - 56silty sand10YR 4/6dark yellowish brown56 - 65sandcharcoal7.5YR 4/6strong brownandcharcoal10YR 2/1black65 - 75sandcharcoal10YR 3/4gellowish brown10550 - 34silty sand10YR 3/4dark yellowish brownsubsoil105534 - 42silt10YR 5/1grayyellowish brown10562 - 66sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brownsubsoil10570 - 27silty sand10YR 3/3dark brownsubsoil	1054	0 - 32	silty sand		10YR 3/2	very dark grayish brown	
56 - 65sandcharcoal7.5YR 4/6strong brownsandcharcoal10YR 2/1black65 - 75sand10YR 5/6yellowish brownsubsoil10550 - 34silty sand10YR 3/4dark yellowish brownsubsoil34 - 42silt10YR 5/1grayyellowish brownyellowish brown42 - 66sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brown10570 - 27silty sand10YR 5/6yellowish brown		32 - 56	silty sand		10YR 4/6	dark yellowish brown	
sandcharcoal10YR 2/1black65 - 75sand10YR 5/6yellowish brownsubsoil10550 - 34silty sand10YR 3/4dark yellowish brown34 - 42silt10YR 5/1graysiltisit10YR 2/1black42 - 66sand10YR 5/1gray0 - 27silty sand10YR 3/3dark brown27 - 68silty sand10YR 5/6yellowish brownsubsoil		56 - 65	sand	charcoal	7.5YR 4/6	strong brown	
65 - 75sand10YR 5/6yellowish brownsubsoil10550 - 34silty sand10YR 3/4dark yellowish brown-34 - 42silt10YR 5/1graysilt10YR 2/1black42 - 66sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brown27 - 68silty sand10YR 5/6yellowish brownsubsoil			sand	charcoal	10YR 2/1	black	
1055 0 - 34 silty sand 10YR 3/4 dark yellowish brown 34 - 42 silt 10YR 5/1 gray silt 10YR 2/1 black 42 - 66 sand 10YR 5/1 gray subsoil 10YR 5/1 gray subsoil 1056 0 - 27 silty sand 10YR 3/3 dark brown 27 - 68 silty sand 10YR 5/6 yellowish brown subsoil		65 - 75	sand		10YR 5/6	yellowish brown	subsoil
34 - 42 silt 10YR 5/1 gray silt 10YR 2/1 black 42 - 66 sand 10YR 5/1 gray subsoil 1056 0 - 27 silty sand 10YR 3/3 dark brown 27 - 68 silty sand 10YR 5/6 yellowish brown subsoil	1055	0 - 34	silty sand		10YR 3/4	dark yellowish brown	
silt10YR 2/1black42 - 66sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brown27 - 68silty sand10YR 5/6yellowish brownsubsoil		34 - 42	silt		10YR 5/1	gray	
42 - 66sand10YR 5/1graysubsoil10560 - 27silty sand10YR 3/3dark brown27 - 68silty sand10YR 5/6yellowish brownsubsoil			silt		10YR 2/1	black	
1056 0 - 27 silty sand 10YR 3/3 dark brown 27 - 68 silty sand 10YR 5/6 yellowish brown subsoil		42 - 66	sand		10YR 5/1	gray	subsoil
27 - 68 silty sand 10YR 5/6 yellowish brown subsoil	1056	0 - 27	silty sand		10YR 3/3	dark brown	
		27 - 68	silty sand		10YR 5/6	yellowish brown	subsoil

	Depth (cm)	<u>Soil Type</u>	Soil Inclusions	Munsell Color		Reason
Area: 2						
1057	0 - 15	silty sandy loam		10YR 3/2	very dark grayish brown	
	15 - 37	silty sand		10YR 5/6	yellowish brown	
	37 - 66	silty loam		10YR 2/1	black	
	66 - 90	sand		10YR 4/1	dark gray	subsoil
1058	0 - 31	sandy silt		10YR 2/2	very dark brown	
	31 - 73	sand		10YR 4/6	dark yellowish brown	subsoil
1059	0 - 28	sandy loam		10YR 2/2	very dark brown	
	28 - 65	sand		10YR 4/6	dark yellowish brown	subsoil
1060	0 - 28	silty sand		10YR 3/2	very dark grayish brown	
	28 - 59	sand		10YR 4/3	brown	
	59 - 68	silt	organics	10YR 2/2	very dark brown	
	68 - 84	sand		10YR 4/1	dark gray	subsoil
1061	0 - 22	sandy loam		10YR 4/3	brown	
	22 - 40	sand		10YR 4/6	dark yellowish brown	
	40 - 49	silty sand		10YR 2/1	black	
	49 - 72	sand		10YR 5/1	gray	subsoil
1062	0 - 32	silty sand		10YR 3/2	very dark grayish brown	
	32 - 51	sand		10YR 4/3	brown	
	51 - 63	silt	organics	10YR 2/2	very dark brown	
	63 - 85	sand		10YR 4/1	dark gray	subsoil
1063	0 - 35	sandy loam		10YR 4/3	brown	
		sandy loam		10YR 4/6	dark yellowish brown	
	35 - 45	silty loam		10YR 5/1	gray	
		silty loam		10YR 2/1	black	
	45 - 72	sand		10YR 5/1	gray	subsoil
1064	0 - 11	silty sand		10YR 3/3	dark brown	
	11 - 63	sand		10YR 4/3	brown	
	63 - 72	silt	silty sand	10YR 4/4	dark yellowish brown	
		silt	silty sand	10YR 2/2	very dark brown	
	72 - 93	sand		10YR 4/1	dark gray	subsoil
1065	0 - 60	sandy loam		10YR 4/6	dark yellowish brown	
	60 - 68	silty loam		10YR 5/1	gray	
		silty loam		5YR 4/6	yellowish red	
	68 - 51	sand		10YR 5/1	gray	subsoil
1066	0 - 10	silty sand		10YR 4/4	dark yellowish brown	
	10 - 38	fine sand		10YR 5/4	yellowish brown	
	38 - 41	organic		5YR 3/4	dark reddish brown	
	41 - 54	organic		10YR 2/1	black	
	54 - 72	fine sand		10YR 4/1	dark gray	subsoil

Area: 2 1077 30 silty sand 107R 3/3 dark brown 9 - 37 sand 107R 4/3 brown 37 - 58 silt silty sand 107R 4/3 brown 58 - 79 sand 107R 4/3 dark yelowish brown 58 - 79 sand 107R 4/1 dark yelowish brown 1088 0 - 15 silty sand 107R 3/3 dark brown 15 - 32 silty sand 107R 5/4 yelowish brown - 15 - 52 silty sand 107R 5/4 yelowish brown - 57 - 73 fine sand 107R 5/4 yelowish brown - 57 - 73 fine sand 107R 5/4 yelowish brown - 1069 0 - 29 silty sand 107R 5/4 yelowish brown - 40 - 62 organic 107R 5/4 yelowish brown - - 40 - 72 fine sand 107R 5/4 yelowish brown - - 41 - 62 organic 107R 3/2 very dark gray's brown - - 24 - 49 sand 107R 3/2		Depth (cm)	Soil Type	Soil Inclusions	Munsell Colo	<u>r</u>	<u>Termination</u> Reason
1067 0 - 9 slily sand 10/R 3/3 dark brown 37 58 slit slily sand 10/R 4/3 brown 58 79 sand 10/R 4/4 dark gravy suboal 1068 0.15 slity sand 10/R 4/3 dark brown	Area: 2						
9 - 37 sand 10YR 4/3 brown 37 - 58 silt silty sand 10YR 2/2 very dark brown 58 - 79 sand 10YR 4/4 dark yellowish brown 58 - 79 sand 10YR 3/3 dark brown 15 - 32 silty sand 10YR 3/3 dark brown 15 - 32 silty sand 10YR 5/4 yellowish brown 32 - 51 fine sand 10YR 5/4 yellowish brown 51 - 57 organic 5YR 3/4 dark brown 67 - 73 fine sand 10YR 2/1 block 29 - 54 fine sand 10YR 2/1 block 34 - 46 organic 10YR 2/1 block 46 - 72 fine sand 10YR 2/2 very dark brown 24 - 49 sand 10YR 2/2 very dark brown 58 - 79 sand 10YR 2/2 very dark brown 40 - 52 fine sand organics 10YR 2/2 very dark brown 1070 0 - 24 sand 10YR 4/4 dark gra	1067	0 - 9	silty sand		10YR 3/3	dark brown	
37 - 58 silt silty and 10YR 2/2 very dark trown 58 - 79 sand 10YR 4/4 dark yellowish brown 1068 0 - 15 silty and 10YR 3/3 dark trown 15 - 32 silty sand 10YR 3/3 dark brown 32 - 51 files sand 10YR 6/4 yellowish brown 51 - 57 organic 10YR 2/1 black 57 - 73 files sand 10YR 2/2 verd dark frown 57 - 73 files sand 10YR 2/2 verd dark frown 29 - 54 files sand 10YR 2/2 verd dark frown 24 - 40 organic 10YR 2/2 verd dark frown 24 - 46 organic 10YR 2/2 verd dark frown 24 - 49 sand 10YR 2/2 verd dark frown 24 - 49 sand 10YR 2/2 verd dark frown 24 - 49 sand 10YR 2/2 verd dark frown 37 - 67 files sand 10YR 2/2 verd dark frown 1070 0 -24 sand <t< td=""><td></td><td>9 - 37</td><td>sand</td><td></td><td>10YR 4/3</td><td>brown</td><td></td></t<>		9 - 37	sand		10YR 4/3	brown	
silt silty sand 10'R 4/4 dark gray subsoil 1068 0.15 silty sand 10'R 4/3 dark brown subsoil 15 - 32 silty sand 10'R 3/3 dark brown subsoil 15 - 32 silty sand 10'R 3/3 dark brown subsoil 15 - 32 silty sand 10'R 3/4 yellowish brown subsoil 15 - 57 organic 10'R 3/4 yellowish brown subsoil 51 - 57 organic 10'R 2/4 yellowish brown subsoil 20 - 29 silty sand 10'R 2/2 very dark freddsh brown subsoil 1069 0.29 silty sand 10'R 2/2 very dark brown subsoil 20 - 54 fine sand 10'R 3/2 very dark brown subsoil 1070 0.24 sand 10'R 3/2 very dark brown 42 - 49 sand organics 10'R 4/3 brown 49 - 58 silt organics 10'R 4/3 brown 58 - 79 <		37 - 58	silt	silty sand	10YR 2/2	very dark brown	
58 - 79 sand 10'R 4/1 dark gray subsoil 1068 0 - 15 sitly sand 10'R 3/3 dark thrown			silt	silty sand	10YR 4/4	dark yellowish brown	
1068 0 - 1 5 silty sand 107R 3/3 dark brown 15 - 32 silty sand 107R 3/3 dark brown 32 - 51 fine sand 107R 3/4 yellowish brown 51 - 57 organic 577 4 dark reddish brown 57 - 73 fine sand 107R 3/4 dark reddish brown 57 - 73 fine sand 107R 4/1 dark gray subsoil 1098 0 - 29 silty sand 107R 4/1 dark gray subsoil 29 - 54 fine sand 107R 4/1 dark gray subsoil 44 - 46 organic 107R 4/1 dark gray subsoil 1070 0 - 24 sand 107R 3/2 very dark krown 24 - 49 sand organics 107R 4/2 very dark krown 34 - 37 fine sand 107R 3/2 very dark krown 49 - 58 silt organics 107R 3/2 very dark krown 34 - 37 fine sand 107R 3/2 very dark krown 107R sand		58 - 79	sand		10YR 4/1	dark gray	subsoil
15 - 32silty sand10YR 3/3dark brown32 - 51fine sand10YR 5/4yellowish brown51 - 57organic10YR 2/1black57 - 73fine sand10YR 2/1black10929 - 54fine sand10YR 5/4yellowish brown29 - 54fine sand10YR 5/4yellowish brown34 - 46organic10YR 2/1black46 - 72fine sand10YR 4/1dark graysubsoil10700 - 24sand10YR 4/2very dark graysubsoil10700 - 24sand10YR 4/2very dark graysubsoil10700 - 24sand10YR 4/2very dark grayssubsoil10700 - 24sand10YR 4/2very dark grayssubsoil10700 - 24sand10YR 4/2very dark brownsubsoil10700 - 24sand10YR 4/2very dark brownsubsoil10710 - 34fine silty sand10YR 5/6yellowish brownsubsoil10710 - 34fine silty sand10YR 5/6yellowish brownsubsoil10720 - 19fine silty sand10YR 4/2dark graysubsoil10720 - 23sand10YR 4/1dark graysubsoil10720 - 23sand10YR 4/1dark graysubsoil10720 - 23fine sand10YR 4/2yellowish brownsubsoil10720 - 23fine sand10YR 4/4dark gra	1068	0 - 15	silty sand		10YR 3/3	dark brown	
sily sand 10YR 5/4 yellowish brown 32 - 51 fine sand 10YR 5/4 yellowish brown 51 - 57 organic 10YR 2/1 black organic 5YR 3/4 dark reddish brown organic 57 - 73 fine sand 10YR 4/1 dark gray subsoil 1098 0 - 29 silty sand 10YR 5/4 yellowish brown 29 - 54 fine sand 10YR 5/4 yellowish brown 46 - 67 fine sand 10YR 4/1 dark gray subsoil 1070 0 - 24 sand 10YR 3/2 very dark grayish brown 49 - 58 silt organics 10YR 4/1 dark gray subsoil 1071 0 - 34 fine sand 10YR 5/4 yellowish brown 58 - 79 sand 10YR 5/4 yellowish brown 59 - 79 sand 10YR 4/1 dark gray subsoil 1071 0 - 34 fine sand 10YR 5/4 yellowish brown 59 - 79 sand 10YR 5/4 yellowish brown 59 - 79 sand 10YR 5/4 yellowish brown 50 - 79 sand 10YR 5/4 yellowish brown 50 - 79 sand 10YR 5/4 yellow		15 - 32	silty sand		10YR 3/3	dark brown	
32 - 51 fine sand 10YR 8/4 yellowish brown 51 - 57 organic 10YR 2/1 black 57 - 73 fine sand 10YR 4/1 dark reddich brown 29 - 54 fine sand 10YR 8/4 yellowish brown 34 - 46 organic 10YR 8/4 yellowish brown 34 - 46 organic 10YR 8/4 yellowish brown 46 - 72 fine sand 10YR 8/4 yellowish brown 24 - 49 sand 10YR 8/4 yellowish brown 24 - 49 sand 10YR 8/4 black 49 - 58 silt organics 10YR 8/4 yellowish brown 34 - 37 fine sand 10YR 8/4 yellowish brown 34 - 37 fine sand 10YR 8/4 yellowish brown 34 - 37 fine sand 10YR 8/4 yellowish brown 34 - 37 fine sand 10YR 8/4 yellowish brown 34 - 37 fine sand 10YR 8/4 yellowish brown 37 - 67 fine sand 10YR 8/4 yellowish brown 37 - 67 fine sand 10YR 8/4 yellowish brown 19 - 65 fine sand 10YR 8/4 yellowish brown 1072 0 - 19 fine sinty sand <t< td=""><td></td><td></td><td>silty sand</td><td></td><td>10YR 5/4</td><td>yellowish brown</td><td></td></t<>			silty sand		10YR 5/4	yellowish brown	
51 - 57 organic 10YR 2/1 black 57 - 73 fine sand 5YR 3/4 dark reddish brown 1069 0 - 29 silly sand 10YR 2/2 very dark brown 29 - 54 fine sand 10YR 2/1 black 34 - 46 organic 10YR 2/1 black 46 - 72 fine sand 10YR 2/1 black 24 - 49 sand 10YR 3/2 very dark gray is brown 24 - 49 sand 10YR 4/3 brown 49 - 58 silt organics 10YR 2/2 very dark brown 58 - 79 sand 10YR 2/2 very dark brown subsoil 1071 0 - 34 fine sand 10YR 2/2 very dark brown 37 - 67 fine sand 10YR 8/4 yellowish brown subsoil 1072 0 - 19 fine sand 10YR 8/3 dark brown 13 - 65 fine sand 10YR 8/3 dark brown 14 - 25 fine sand 10YR 8/3 dark brown 15 - 56		32 - 51	fine sand		10YR 5/4	yellowish brown	
organic 5YR 3/4 dark reddish brown 57 - 73 fine sand 10YR 4/1 dark gray subsoil 1069 0 - 29 silty sand 10YR 2/2 vary dark brown - 29 - 54 fine sand 10YR 5/4 yellowish brown - - 34 - 46 organic 10YR 4/1 dark gray subsoil - 46 - 72 fine sand 10YR 4/1 dark gray subsoil - 1070 0 - 24 sand 10YR 2/2 very dark brown - - 49 - 58 silt organics 10YR 4/1 dark gray subsoil 1071 0 - 34 fine silty sand 10YR 2/2 very dark brown - 37 - 67 fine sand 10YR 5/6 yellowish brown - - 1072 0 - 19 fine silty sand 10YR 5/6 yellowish brown - 1072 0 - 19 fine silty sand 10YR 3/3 dark travy subsoil 1072 0 - 19 <td< td=""><td></td><td>51 - 57</td><td>organic</td><td></td><td>10YR 2/1</td><td>black</td><td></td></td<>		51 - 57	organic		10YR 2/1	black	
57 - 73 fine sand 10YR 4/1 dark gray subsoil 1069 0 - 29 silty sand 10YR 2/2 very dark brown 29 - 54 fine sand 10YR 2/2 very dark brown 34 - 46 organic 10YR 2/1 black 46 72 fine sand 10YR 4/1 dark gray subsoil 1070 0 - 24 sand 10YR 4/2 very dark grayish brown 34 - 49 subsoil 24 - 49 sand 10YR 4/3 brown 34 - 58 silt organics 10YR 4/2 very dark brown 58 - 79 sand 10YR 5/4 yellowish brown subsoil 1071 0 - 34 fine sand 10YR 5/6 yellowish brown subsoil 1071 0 - 34 fine sand 10YR 5/6 yellowish brown subsoil 1072 0 - 19 fine sand 10YR 5/6 yellowish brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark gray subsoil 1072 0 - 23 sand			organic		5YR 3/4	dark reddish brown	
1069 0 - 29 silty sand 10YR 2/2 very dark brown 29 - 54 fine sand 10YR 5/4 yellowish brown 34 - 46 organic 10YR 2/1 black 46 - 72 fine sand 10YR 3/2 very dark gray subsoil 1070 0 - 24 sand 10YR 4/3 brown 49 - 58 silt organics 10YR 2/2 very dark grayish brown 49 - 58 silt organics 10YR 2/2 very dark brown 58 - 79 sand 10YR 4/1 dark gray subsoil 1071 0 - 34 fine silty sand 10YR 5/4 yellowish brown 34 - 37 fine sand 10YR 3/3 dark gray ish brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark forwish brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark brown subsoil 1072 0 - 23 fine sand 10YR 3/3 dark brown subsoil 1072 N<		57 - 73	fine sand		10YR 4/1	dark gray	subsoil
29 - 54 fine sand 10YR 5/4 yellowish brown 34 - 46 organic 10YR 2/1 black 46 - 72 fine sand 10YR 4/1 dark gray subsoil 1070 0 - 24 sand 10YR 4/3 brown 49 - 58 silt organics 10YR 2/2 very dark grayish brown 49 - 58 silt organics 10YR 4/3 brown 58 - 79 sand 10YR 4/1 dark gray subsoil 1071 0 - 34 fine sand 10YR 5/4 yellowish brown 34 - 37 fine sand 10YR 5/4 yellowish brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark brown subsoil 1072 0 - 23 sand 10YR 3/3 dark brown subsoil	1069	0 - 29	silty sand		10YR 2/2	very dark brown	
34 - 46 organic 10 YR 2/1 black 46 - 72 fine sand 10 YR 4/1 dark gray subsoil 1070 0 - 24 sand 10 YR 3/2 very dark grayish brown 24 - 49 sand 10 YR 4/3 brown		29 - 54	fine sand		10YR 5/4	yellowish brown	
46 - 72 fine sand 10YR 4/1 dark gray subsoil 1070 0 - 24 sand 10YR 3/2 very dark grayish brown 24 - 49 sand 10YR 4/3 brown 49 - 58 silt organics 10YR 4/3 brown 49 - 58 silt organics 10YR 2/2 very dark brown 40 - 58		34 - 46	organic		10YR 2/1	black	
10700 - 24sand10YR 3/2very dark grayish brown24 - 49sand10YR 4/3brown49 - 58siltorganics10YR 2/2very dark brown58 - 79sand10YR 4/1dark graysubsoil10710 - 34fine silty sand10YR 2/2very dark brown34 - 37fine sand10YR 5/4yellowish brown10720 - 19fine sand10YR 3/3dark grayish brown10720 - 19fine sand10YR 5/4yellowish brown10720 - 19fine sand10YR 3/3dark brown10720 - 19fine sand10YR 5/4yellowish brown10720 - 19fine sand10YR 3/3dark brown10720 - 23sand10YR 3/3dark brown23 - 110sand10YR 3/3dark brown110 - 121sand10YR 3/3dark brown120 N0 - 23fine sand10YR 3/3dark brown121 Nsand10YR 5/6yellowish brownsubsoil1072 N0 - 14fine silty sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/4yellowish brownsubsoil1072 NW0 - 30silty sand10YR 5/4yellowish brown30 - 85silty sand10YR 5/4yellowish brownsubsoil <td></td> <td>46 - 72</td> <td>fine sand</td> <td></td> <td>10YR 4/1</td> <td>dark gray</td> <td>subsoil</td>		46 - 72	fine sand		10YR 4/1	dark gray	subsoil
24 - 49 sand 10YR 4/3 brown 49 - 58 silt organics 10YR 2/2 very dark brown 58 - 79 sand 10YR 4/1 dark gray subsoil 1071 0 - 34 fine silty sand 10YR 2/2 very dark brown 34 - 37 fine sand 10YR 2/2 very dark brown 34 - 37 fine sand 10YR 5/4 yellowish brown 37 - 67 fine sand 10YR 5/6 yellowish brown 37 - 67 fine sand 10YR 3/3 dark brown 1072 0 - 19 fine sand 10YR 5/6 yellowish brown 19 - 65 fine sand 10YR 5/6 yellowish brown subsoil 1072 0 - 19 fine sand 10YR 5/6 yellowish brown subsoil 1072 0 - 19 fine sand 10YR 3/3 dark brown subsoil 1072 0 - 23 sand 10YR 3/3 dark brown subsoil 1072 N 0 - 23 fine sand 10YR 3/3 dark brown subsoil/depth 1072 NE 0 - 14 fine sand 10YR 3/3 dark brown subsoil 1072 NE 0 - 14 fine sand 10YR 5/6 yellowish brown subsoil <td>1070</td> <td>0 - 24</td> <td>sand</td> <td></td> <td>10YR 3/2</td> <td>very dark grayish brown</td> <td></td>	1070	0 - 24	sand		10YR 3/2	very dark grayish brown	
49 - 58 silt organics 10YR 2/2 very dark brown 58 - 79 sand 10YR 4/1 dark gray subsoil 1071 0 - 34 fine silty sand 10YR 2/2 very dark brown 34 - 37 fine sand 10YR 5/4 yellowish brown 37 - 67 fine sand 10YR 7/2 dark gray ish brown 37 - 67 fine sand 10YR 7/6 yellowish brown 19 - 65 fine sand 10YR 7/6 yellowish brown 19 - 65 fine sand 10YR 7/6 yellowish brown 1072 0 - 19 fine sand 10YR 7/6 yellowish brown 19 - 65 fine sand 10YR 7/6 yellowish brown subsoil 1072 0 - 23 sand 10YR 3/3 dark brown 23 - 110 sand 10YR 7/3 dark gray subsoil/depth 1072 N 0 - 23 fine silty sand 10YR 7/3 dark brown 23 - 53 fine sand 10YR 7/3 dark brown 23 - 53 fine sand		24 - 49	sand		10YR 4/3	brown	
58 - 79sand10YR 4/1dark graysubsoil10710 - 34fine silty sand10YR 2/2very dark brown34 - 37fine sand10YR 5/4yellowish brown37 - 67fine sand10YR 8/6yellowish brown37 - 67fine sand10YR 3/3dark gray is brown10720 - 19fine silty sand10YR 5/6yellowish brown19 - 65fine sand10YR 5/6yellowish brownsubsoil10720 - 19fine sand10YR 5/6yellowish brownsubsoil10720 - 23sand10YR 3/3dark brownsubsoil1072 N0 - 23fine sand10YR 3/3dark brownsubsoil/depth1072 N0 - 23fine sand10YR 3/3dark brownsubsoil/depth1072 N0 - 14fine sand10YR 5/6yellowish brownsubsoil1072 NV0 - 14fine sand10YR 3/3dark brownsubsoil1072 NV0 - 30silty sand10YR 3/3dark brownsubsoil1072 NW0 - 30silty sand10YR 3/3dark brownsubsoil1072 NW0 - 30silty sand10YR 3/3dark brownsubsoil1072 NW0 - 30silty sand10YR 5/8yellowish brownsubsoil1072 NW0 - 30silty sand10YR 5/8yellowish brownsubsoil1072 NW0 - 30silty sand10YR 8/8yellowish brownsubsoil1072 NW0 - 30si		49 - 58	silt	organics	10YR 2/2	very dark brown	
10710 - 34fine silty sand10YR 2/2very dark brown34 - 37fine sand10YR 5/4yellowish brown37 - 67fine sand10YR 5/6yellowish brown37 - 67fine sand10YR 4/2dark grayish brownsubsoil10720 - 19fine silty sand10YR 3/3dark brown19 - 65fine sand10YR 5/6yellowish brownsubsoil10720 - 23sand10YR 3/3dark brown23 - 110sand10YR 4/2dark graysubsoil/depth1072 N0 - 23fine silty sand10YR 3/3dark brown1072 N0 - 23fine sand10YR 3/3dark brown23 - 53fine sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/6yellowish brown30 - 85silty sand10YR 5/8yellowish brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brown		58 - 79	sand		10YR 4/1	dark gray	subsoil
34 - 37fine sand fine sand10YR 5/4yellowish brown37 - 67fine sand10YR 5/6yellowish brown37 - 67fine sand10YR 4/2dark grayish brownsubsoil10720 - 19fine silty sand10YR 3/3dark brown19 - 65fine sand10YR 5/6yellowish brownsubsoil1072 E0 - 23sand10YR 3/3dark brownsubsoil10 - 21sand10YR 4/6dark yellowish brownsubsoil/depth1072 N0 - 23fine silty sand10YR 3/3dark brown23 - 53fine sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/6yellowish brown1072 N0 - 14fine sand10YR 3/3dark brown14 - 45fine sand10YR 3/3dark brown15 - 98fine sand10YR 5/6yellowish brown1072 NW0 - 30silty sand10YR 3/3dark brown1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brownsubsoil1072 NW0 - 30silty sand10YR 8/8yellowish brown30 - 85silty sand10YR 5/8yellowish brownsubsoil	1071	0 - 34	fine silty sand		10YR 2/2	very dark brown	
fine sand10YR 5/6yellowish brown37 - 67fine sand10YR 4/2dark grayish brownsubsoil10720 - 19fine silty sand10YR 3/3dark brown19 - 65fine sand10YR 5/6yellowish brownsubsoil65 - 85fine sand10YR 3/3dark brownsubsoil1072 E0 - 23sand10YR 3/3dark brownsubsoil10 - 121sand10YR 4/6dark yellowish brownsubsoil/depth1072 N0 - 23fine silty sand10YR 5/6yellowish brown23 - 53fine sand10YR 5/6yellowish brownsubsoil23 - 53fine sand10YR 5/6yellowish brownsubsoil1072 N0 - 14fine silty sand10YR 5/6yellowish brownsubsoil1072 N0 - 14fine sand10YR 5/6yellowish brownsubsoil1072 NV0 - 30silty sand10YR 5/6yellowish brownsubsoil1072 NW0 - 30silty sand10YR 5/6yellowish brownsubsoil1072 NW0 - 30silty sand10YR 5/8yellowish brownsubsoil1072 N		34 - 37	fine sand		10YR 5/4	yellowish brown	
37 - 67fine sand10YR 4/2dark grayish brownsubsoil10720 - 19fine silty sand10YR 3/3dark brown19 - 65fine sand10YR 5/6yellowish brownsubsoil65 - 85fine sand10YR 5/4yellowish brownsubsoil1072 E0 - 23sand10YR 3/3dark brown23 - 110sand10YR 4/6dark yellowish brownsubsoil/depth110 - 121sand10YR 3/3dark brown23 - 53fine silty sand10YR 5/6yellowish brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/4yellowish brown14 - 45fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 3/3dark brown30 - 85silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 5/8yellowish brown			fine sand		10YR 5/6	yellowish brown	
10720 - 19fine silty sand10YR 3/3dark brown19 - 65fine sand10YR 5/6yellowish brown65 - 85fine sand10YR 5/4yellowish brown1072 E0 - 23sand10YR 3/3dark brown23 - 110sand10YR 4/6dark yellowish brown110 - 121sand10YR 3/3dark brown23 - 53fine sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/4yellowish brown30 - 85silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 5/8yellowish brown		37 - 67	fine sand		10YR 4/2	dark grayish brown	subsoil
19 - 65fine sand10YR 5/6yellowish brownsubsoil65 - 85fine sand10YR 5/4yellowish brownsubsoil1072 E0 - 23sand10YR 3/3dark brown23 - 110sand10YR 4/6dark yellowish brown110 - 121sand10YR 4/1dark graysubsoil/depth1072 N0 - 23fine silty sand10YR 5/6yellowish brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/6yellowish brown1072 NE0 - 14fine silty sand10YR 5/6yellowish brown14 - 45fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 14fine silty sand10YR 5/6yellowish brown14 - 45fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 30silty sand10YR 5/4yellowish brown30 - 85silty sand10YR 5/8yellowish brownsubsoil1072 NE0 - 30silty sand10YR 5/8yellowish brown30 - 85silty sand10YR 5/8yellowish brownsubsoil	1072	0 - 19	fine silty sand		10YR 3/3	dark brown	
65 - 85fine sand10YR 5/4yellowish brownsubsoil1072 E0 - 23sand10YR 3/3dark brown23 - 110sand10YR 4/6dark yellowish brown110 - 121sand10YR 4/1dark graysubsoil/depth1072 N0 - 23fine silty sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/4yellowish brown14 - 45fine sand10YR 5/4yellowish brown14 - 45fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/4yellowish brown1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brownsubsoil1072 NW0 - 30silty sand10YR 5/8yellowish brown30 - 85sand10YR 6/4light yellowish brownsubsoil		19 - 65	fine sand		10YR 5/6	yellowish brown	
1072 E 0 - 23 sand 10YR 3/3 dark brown 23 - 110 sand 10YR 4/6 dark yellowish brown 110 - 121 sand 10YR 4/6 dark gray subsoil/depth 1072 N 0 - 23 fine silty sand 10YR 3/3 dark brown 23 - 53 fine sand 10YR 5/6 yellowish brown 23 - 88 fine sand 10YR 5/4 yellowish brown 53 - 88 fine sand 10YR 3/3 dark brown 1072 NE 0 - 14 fine silty sand 10YR 3/3 dark brown 14 - 45 fine sand 10YR 5/6 yellowish brown 45 - 98 fine sand 10YR 5/6 yellowish brown 1072 NW 0 - 30 silty sand 10YR 3/3 dark brown 30 - 85 silty sand 10YR 5/8 yellowish brown 30 - 85 silty sand 10YR 5/8 yellowish brown 85 - 108 sand 10YR 6/4 light yellowish brown		65 - 85	fine sand		10YR 5/4	yellowish brown	subsoil
23 - 110sand10YR 4/6dark yellowish brown110 - 121sand10YR 4/1dark graysubsoil/depth1072 N0 - 23fine silty sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brownsubsoil53 - 88fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 14fine sand10YR 5/6yellowish brown14 - 45fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 30silty sand10YR 5/4yellowish brown30 - 85silty sand10YR 5/8yellowish brownsubsoil1072 NE0 - 30silty sand10YR 5/8yellowish brown30 - 85sand10YR 5/8yellowish brownsubsoil	1072 E	0 - 23	sand		10YR 3/3	dark brown	
110 - 121sand10YR 4/1dark graysubsoil/depth1072 N0 - 23fine silty sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/4yellowish brown1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/6yellowish brownsubsoil1072 NE0 - 30silty sand10YR 5/6yellowish brown1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brownsubsoil		23 - 110	sand		10YR 4/6	dark yellowish brown	
1072 N0 - 23fine silty sand10YR 3/3dark brown23 - 53fine sand10YR 5/6yellowish brown53 - 88fine sand10YR 5/4yellowish brown1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/4yellowish brown1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brownsubsoil		110 - 121	sand		10YR 4/1	dark gray	subsoil/depth
23 - 53fine sand10YR 5/6yellowish brownsubsoil53 - 88fine sand10YR 5/4yellowish brownsubsoil1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/6yellowish brownsubsoil45 - 98fine sand10YR 5/4yellowish brownsubsoil1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brownsubsoil85 - 108sand10YR 6/4light yellowish brownsubsoil	1072 N	0 - 23	fine silty sand		10YR 3/3	dark brown	
53 - 88fine sand10YR 5/4yellowish brownsubsoil1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/4yellowish brown1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brownsubsoil		23 - 53	fine sand		10YR 5/6	yellowish brown	
1072 NE0 - 14fine silty sand10YR 3/3dark brown14 - 45fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/4yellowish brown1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brownsubsoil		53 - 88	fine sand		10YR 5/4	yellowish brown	subsoil
14 - 45fine sand10YR 5/6yellowish brown45 - 98fine sand10YR 5/4yellowish brownsubsoil1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brownsubsoil85 - 108sand10YR 6/4light yellowish brownsubsoil	1072 NE	0 - 14	fine silty sand		10YR 3/3	dark brown	
45 - 98fine sand10YR 5/4yellowish brownsubsoil1072 NW0 - 30silty sand10YR 3/3dark brown30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brown		14 - 45	fine sand		10YR 5/6	yellowish brown	
1072 NW 0 - 30 silty sand 10YR 3/3 dark brown 30 - 85 silty sand 10YR 5/8 yellowish brown 85 - 108 sand 10YR 6/4 light yellowish brown		45 - 98	fine sand		10YR 5/4	yellowish brown	subsoil
30 - 85silty sand10YR 5/8yellowish brown85 - 108sand10YR 6/4light yellowish brownsubsoil	1072 NW	0 - 30	silty sand		10YR 3/3	dark brown	
85 - 108 sand 10YR 6/4 light yellowish brown subsoil		30 - 85	silty sand		10YR 5/8	yellowish brown	
		85 - 108	sand		10YR 6/4	light yellowish brown	subsoil

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> Reason
Area: 2						
1072 S	0 - 22	silty sand		10YR 3/3	dark brown	
	22 - 45	silty sand		10YR 4/6	dark yellowish brown	
	45 - 60	silty sand		10YR 5/6	yellowish brown	subsoil
1072 SE	0 - 23	silty sand		10YR 3/3	dark brown	
	23 - 45	silty sand		10YR 4/6	dark yellowish brown	
	45 - 60	silty sand		10YR 5/6	yellowish brown	subsoil
1072 SW	0 - 10	fine silty sand		10YR 3/3	dark brown	
	10 - 46	fine sand		10YR 5/6	yellowish brown	
	46 - 92	fine sand		10YR 5/4	yellowish brown	subsoil
1072 W	0 - 21	silty sand		10YR 3/3	dark brown	
	21 - 40	silty sand		10YR 5/8	yellowish brown	
	40 - 98	sand		10YR 6/4	light yellowish brown	subsoil
1073	0 - 35	silty sand		10YR 3/3	dark brown	
	35 - 60	fine sand		10YR 5/4	yellowish brown	
	60 - 72	organic		5YR 3/4	dark reddish brown	
		organic		10YR 2/1	black	
	72 - 82	fine sand		10YR 4/1	dark gray	subsoil
1074	0 - 31	silty sand		10YR 3/2	very dark grayish brown	
	31 - 56	silty sand		10YR 5/6	yellowish brown	
	56 - 72	silty loam		10YR 2/1	black	
	72 - 103	sand		10YR 4/1	dark gray	subsoil
1075	0 - 30	sandy loam		10YR 3/1	very dark gray	
	30 - 63	sand		10YR 4/6	dark yellowish brown	
	63 - 75	silty sand		5YR 4/6	yellowish red	
		silty sand		10YR 2/1	black	
	75 - 95	sand		10YR 5/1	gray	subsoil
1076	0 - 32	sandy loam		10YR 2/2	very dark brown	
	32 - 46	silty sand		2.5YR 3/4	dusky red	
	46 - 55	sand	organics	10YR 2/1	black	
	55 - 68	sand		10YR 6/3	pale brown	subsoil
1077	0 - 27	sandy silt		10YR 2/1	black	
	27 - 48	sand		10YR 4/4	dark yellowish brown	
	48 - 62	silty sand		5YR 4/6	yellowish red	
		silty sand		10YR 2/1	black	
		silty sand		10YR 5/1	gray	
	62 - 81	sand		10YR 5/1	gray	subsoil
1078	0 - 18	silty sand		10YR 3/2	very dark grayish brown	
	18 - 40	silty sand		10YR 5/6	yellowish brown	
	40 - 56	silty loam		10YR 2/1	black	
	56 - 88	sand		10YR 4/1	dark gray	subsoil

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color		<u>Termination</u> <u>Reason</u>
Area: 2						
1080	0 - 29	silty sand		10YR 3/2	very dark grayish brown	
	29 - 56	fine sand		10YR 5/4	yellowish brown	
	56 - 100	organic		10YR 2/1	black	depth and water
1081	0 - 19	silty sand		10YR 3/3	dark brown	
	19 - 62	sand		10YR 4/3	brown	
	62 - 76	sand		10YR 2/2	very dark brown	
	76 - 98	sand		10YR 4/1	dark gray	subsoil
1082	0 - 14	silty sand		10YR 3/2	very dark grayish brown	
	14 - 31	silty sand		10YR 5/6	yellowish brown	
	31 - 55	silty loam		10YR 2/1	black	
	55 - 77	sand		10YR 4/1	dark gray	subsoil
1083	0 - 16	silty sand		10YR 3/3	dark brown	
	16 - 47	sand		10YR 4/3	brown	
	47 - 65	silt		10YR 2/2	very dark brown	
	65 - 83	sand		10YR 4/1	dark gray	subsoil
1084	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 66	fine sand		10YR 5/4	yellowish brown	
	66 - 85	organic		10YR 2/1	black	
	85 - 97	fine sand		10YR 3/1	very dark gray	subsoil
1085	0 - 34	sand		10YR 5/4	yellowish brown	
		sand		10YR 3/3	dark brown	
	34 - 68	silt	sand	10YR 2/2	very dark brown	
		silt	sand	10YR 5/4	yellowish brown	
	68 - 81	sand		10YR 4/1	dark gray	subsoil
1086	0 - 17	silty sand		10YR 2/2	very dark brown	
	17 - 39	fine sand		10YR 5/6	yellowish brown	
	39 - 45	organic		10YR 2/1	black	
	45 - 74	fine sand		10YR 4/1	dark gray	subsoil
1087	0 - 17	silty sand		10YR 3/2	very dark grayish brown	
	17 - 26	silt	organics	10YR 2/2	very dark brown	
	26 - 68	sand		10YR 4/1	dark gray	subsoil
1088	0 - 24	fine silty sand		10YR 2/1	black	
	24 - 75	fine sand		10YR 4/1	dark gray	subsoil
1089	0 - 37	fine silty sand		10YR 2/1	black	
	37 - 68	fine sand		10YR 4/1	dark gray	subsoil
1090	0 - 27	silty sand		10YR 2/2	very dark brown	
	27 - 72	sand		10YR 4/1	dark gray	subsoil
1091	0 - 25	fine silty sand		10YR 2/1	black	
	25 - 70	fine sand		10YR 4/1	dark gray	subsoil
1092	0 - 28	sandy silt		10YR 2/2	very dark brown	
	28 - 67	sand		10YR 4/1	dark gray	subsoil

	Depth (cm)	Soil Type	Soil Inclusions	<u>Munsell Colo</u>	r	<u>Termination</u> Reason
Area: 2						
1093	0 - 34	sandy loam		10YR 2/2	very dark brown	
	34 - 59	sand		10YR 5/1	gray	subsoil
1094	0 - 32	silty sand		10YR 2/1	black	
	32 - 65	silty sand		10YR 5/2	grayish brown	subsoil
1095	0 - 32	sandy loam		10YR 2/2	very dark brown	
	32 - 83	sand		10YR 5/1	gray	subsoil
1096	0 - 36	silty sand		10YR 2/1	black	
	36 - 44	silty sand		10YR 5/2	grayish brown	
	44 - 48	silty sand	organics	10YR 3/2	very dark grayish brown	
	48 - 65	silty sand		10YR 5/2	grayish brown	subsoil
1097	0 - 27	sandy loam		10YR 4/3	brown	
	27 - 44	sand		10YR 4/4	dark yellowish brown	
	44 - 60	silty sand		5YR 4/6	yellowish red	
		silty sand		10YR 2/1	black	
		silty sand		10YR 5/1	gray	
	60 - 72	sand		10YR 5/1	gray	subsoil
1098	0 - 35	silty sand		10YR 2/1	black	
	35 - 70	silty sand		10YR 5/2	grayish brown	subsoil
1099	0 - 23	sandy loam		10YR 3/2	very dark grayish brown	
	23 - 67	coarse sand		10YR 4/1	dark gray	subsoil
1100	0 - 48	sandy loam		10YR 3/2	very dark grayish brown	
	48 - 69	coarse sand		10YR 4/1	dark gray	subsoil
1101	0 - 25	sandy loam		10YR 3/2	very dark grayish brown	
	25 - 70	silty sand		10YR 4/3	brown	subsoil
1102	0 - 57	fine silty sand		10YR 2/1	black	
	57 - 72	fine sand		10YR 4/1	dark gray	subsoil
1103	0 - 17	silty sand		10YR 2/2	very dark brown	
	17 - 48	silty sand		10YR 4/6	dark yellowish brown	
	48 - 56	sand	organics	7.5YR 4/6	strong brown	
		sand	organics	10YR 2/1	black	
	46 - 70	sand		10YR 6/2	light brownish gray	subsoil
1104	0 - 13	sandy loam		10YR 3/2	very dark grayish brown	
	13 - 31	silty sand		10YR 4/3	brown	
	31 - 51	silty sand		10YR 5/6	yellowish brown	
	51 - 95	sandy loam		10YR 2/1	black	depth
1105	0 - 12	silty sand		10YR 3/2	very dark grayish brown	
	12 - 49	sand		10YR 4/3	brown	
	44 - 116	sandy silt	organics	10YR 2/2	very dark brown	depth
1106	0 - 10	fine silty sand		10YR 3/3	dark brown	
	10 - 68	fine sand		10YR 5/4	yellowish brown	subsoil

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	<u>.</u>	<u>Termination</u> <u>Reason</u>
Area: 2						
1107	0 - 29	silty sand		10YR 2/2	very dark brown	
	29 - 45	silty sand		10YR 4/6	dark yellowish brown	
	45 - 85	silty sand	organics	10YR 2/1	black	depth
		silty sand	organics	7.5YR 4/6	strong brown	depth
1108	0 - 23	sandy loam		10YR 3/2	very dark grayish brow	'n
	23 - 73	silty sand		10YR 5/6	yellowish brown	
	73 - 95	sandy loam		10YR 2/1	black	depth
1109	0 - 12	silty sand		10YR 3/3	dark brown	
	12 - 82	sand		10YR 4/3	brown	
	82 - 111	sandy silt	organics	10YR 2/2	very dark brown	depth

APPENDIX 2: Artifact Catalog

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, NY Artifact Inventory, Shovel Tests, Area 1

STP	Feature	Level	Cxt #	Bag #	<u>Item</u>	<u>Count</u>	Artifact Description	Weight
508		1		1001	1	2	faunal bone, bird, long bone, fragments mend	3 g
524		1		1002	1	1	window, glass, fragment	2.9 g
525		1		1003	1	1	unidentified hardware, iron alloy, fragment	129.8 g
542		1		1004	1	1	shotgun shell, composite, "WESTERN/SUPER-X/MADE IN USA", fragment	5 g
583		1		1005	1	1	whiteware, hollowware, refined earthenware, body, decal, polychrome, fragment	1.6 g
603		1		1006	1	1	unidentified hardware, disk/disk-shaped, iron alloy, complete	81.8 g
619		1		1007	1	1	mineral sample, slate, fragment	1.7 g
621		1		1008	1	1	buff/pink bodied, hollowware, stoneware, rim, glazed, fragment	16 g

Phase IB Addendum Field Reconnaissance, Albany Landfill Expansion, Albany County, NY Artifact Inventory, Shovel Tests, Area 2

STP	Feature	Level	<u>Cxt #</u>	Bag #	<u>Item</u>	<u>Count</u>	Artifact Description	Weight
1072		2		1009	1	2	debitage, shatter, chert	3.8 g
					2	3	debitage, trim, chert, complete	2.2 g
1072 N		2		1010	1	1	debitage, core, chert	20.1 g
					2	1	debitage, shatter, chert	2.4 g
					3	1	debitage, trim, chert, proximal fragment	0.1 g
					4	1	debitage, trim, chert, fragment	0.5 g
1078		2		1011	1	1	vessel, glass, body, green, mold blown, fragment	2.9 g

APPENDIX 3: OPRHP Archeological Site Inventory Form – 1800 Manor-Albany Monument



NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

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

adette Castro For Office Use Only	-Site Identifier		
Project Identifier <u>Albany Landfill E</u>	xpansion		
Your Name <u>Amy M. Wilson</u> Organization (if any) <u>Hartgen Arche</u> Address <u>915 Broadway, Suite 103 B</u>	Date <u>16 April 2009</u> Phone <u>518.427.0382</u>	<u>, </u>	
1. SITE IDENTIFIER(S) <u>1800 Mar</u> 2. COUNTY <u>Albany</u> One of the following: C	nor-Albany Monument CITY <u>Albany</u> FOWN <u>Guilderland</u> INCORPORATED VILLAGE <u>Colonie</u> UNINCORPORATED VILLAGE OR HAMLET_		
3. PRESENT OWNER <u>City of A</u> Address <u>Albany, New York</u>	lbany K		
4. SITE DESCRIPTION (check all a Superstructure: [Foundation: [List construction n Grounds: [ppropriate categories): complete partial collapsed above ground level below ground level structural subdivisions apparent onl buried traces detected materials (be as specific as possible): Stone. under cultivation previously cultivated floodplain pastureland woodland	 ☐ not evident ☐ not evident ly exterior walls evident ☐ never cultivated ☑ upland □ sustaining eroside 	on
Soil Drainage: Distance to nearest <u>Albany Pine Bush.</u> Elevation: <u>299 feet</u>	excellent good fair t water from structure (approx.): <u>800 feet (244 m) n</u> t (91 m) above Mean Sea Level.	poor orthwest of unnamed pond within	the
5. SITE INVESTIGATION (append Surface Collection: Date(s)	additional sheets, if necessary):	Site map (submit with form*)
Subsurface: Date(s) <u>Thurse</u> Testing: [Number o	Iay-Tuesday, March 26-31, 2009. \square shovel \square coring \square other of tests _ 261	Test size <u>16 inches (40 cm) diar</u> (Submit plan of tests with form ⁵	netei *)
Excavation: U (Submit p	Unit size	Number of units by 11", if feasible)	
Investigator HAA, Inc., Alb	pany, New York.		
Manuscript or published report(s) (re	eference fully):		
HAA, Inc.			

2009 Phase IB Addendum Field Reconnaissance: Albany Landfill Expansion, Restorative Grading, City of Albany, Village of Colonie, and Town of Guilderland, Albany County, New York. Report on file at OPRHP, Waterford, New York.

Present repository of materials: In situ.

6. SITE INVENTORY (append additional sheets, if necessary)

- a. Date constructed and occupation period <u>1800</u>
- b. Previous owners, if known
- c. Modifications, if known
- 7. SITE DOCUMENTATION (append additional sheets, if necessary):
 - a. Historic map citation(s) with present location of original, if known

DeWitt, Simeon

1794 A Plan of the City of Albany. New York State Archives, Manuscripts and Special Collections, Albany, New York.

Yates, Robert

1770 *Plan of the City of Albany about the Year 1770.* New York State Archives, Manuscripts and Special Collections, Albany, New York.

b. Representation in existing photography

- 1) Photo date <u>26 March 2009</u> Where located <u>HAA, Inc., Albany, New York</u>
- 2) Photo date ______ Where located ______

c. Other primary and secondary source of documentation (reference fully):

- d. Persons with memory of site: None known.
- 8. LIST OF MATERIAL REMAINS other than those used in construction (be as specific as possible in identifying object and material):

If prehistoric materials are evident, check here \Box 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 8¹/₂" x 11", if possible. USGS 7.5 Minute Series Quad Name <u>Albany 7.5' Topographic Quadrangle</u> For Office Use Only--UTM Coordinates ______

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.

APPENDIX 4: OPRHP Archeological Site Inventory Form – Pine Bush Precontact Site



NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

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

K STATE 2 Is Castro Is Castro Schorer	
Project Identifier <u>Albany Landfill Expansion</u>	Date <u>16 April, 2009</u>
Your Name <u>Amy M. Wilson</u> Address <u>915 Broadway, Suite 103B, Albany New York 12</u>	Phone 518.427.0382 2207
Organization (if any) Hartgen Archeological Associates I	ne
organization (if any) <u>margen Archeological Associates, r</u>	iic.
1. SITE IDENTIFIER(S) Pine Bush Precontact Site 2. COUNTY Albany	<u> </u>
One of the following:	
CITY <u>Albany</u>	
IOWNSHIP INCORPORATED VILLAGE	
UNINCORPORATED VILLAGE OR HAMLE	Γ
3. PRESENT OWNER <u>City of Albany</u> Address Albany, New York	
Address Adding, New York	
4. SITE DESCRIPTION (check all appropriate categories)): Workshop
PictographQuarry	Mound
BurialShell Midden	Village
	Material in plow zone
Single component Evidence of feature	es Stratified
Multicomponent	
Location	
Pastureland X Woodland	Previously cultivated Floodplain
<u>X</u> Upland	Sustaining erosion
	C C
Soil Drainage: excellent good X fair	poor
Δ Slope: If Δ Δ If Δ	A m) east of vernal pool within the Albany Pine Bush
Elevation: <u>308 feet (94 m) above Mean Sea Level.</u>	5 m/ east of vernar poor wrann the mouny The Dush.
5. SITE INVESTIGATION (append additional sheets, if a Surfacedate(s):	necessary):
Site map (Submit with form) Collection	
Subsurfacedate(s): Thursday-Tuesday, March 26-31, 200)9
Testing: shovel X coring other	unit size
no. of units <u>261</u> (Submit plan of units with form)
Excavation: unit size no. of units	
Investigator: HAA, Inc. Albany, New York	

Manuscript or published report(s) (reference fully):

HAA, Inc.

2009 Phase IB Addendum Field Reconnaissance: Albany Landfill Expansion, Restorative Grading, City of Albany, Village of Colonie, and Town of Guilderland, Albany County, New York. Report on file at OPRHP, Waterford, New York.

Present repository of materials HAA, Inc. laboratory in North Greenbush, New York

6. COMPONENT(S) (cultural affiliation/dates):

Unknown.

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material):

Please note: A detailed artifact inventory is included in Appendix 2 of the April 2009 Phase IB report.

The Phase IB addendum field reconnaissance of the Albany Landfill Expansion found one precontact site within Area 2 of the APE. The Pine Bush Precontact Site is on the southern flank of a sand dune within the sparsely wooded portion of Area 2 of the APE, on the north side of a trail that leads into the Pine Bush Preserve. In all, nine artifacts were recovered from the site.

The site is a lithic scatter of chert debitage, consisting of one core, five trim flakes, and three fragments of shatter, all of which are derived from Eastern Onondaga chert.

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

8. MAP REFERENCES

USGS 7.5 Minute Series Quad. Name Albany 7.5' Topographic Quadrangle

UTM Coordinates

9. Photography

APPENDIX 5: CHA, Inc. Avoidance Plan





ES.2



ES.3

APPENDIX 6: OPRHP Cover Form



Phone (____

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) 237-8643

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.

This information relates to a previously subr	nitted project.	If you have checked this box and	d noted the previous Project
PROJECT NUMBER PR _	L	Review (PR) number assigned b continue unless any of the requir changed.	y this office you do not neea to red information below has
2. This is a new project.	cked this box you will need to if the following information.		
Project Name			
LocationYou MUST include street number,	street name and/or County, State or	r Interstate route number if app	plicable
City/Town/Village List the correct municipality in which your project	is being undertaken. If in a hamlet y	you must also provide the nam	ne of the town.
County If your undertaking* covers multiple com	imunities/counties please attach a lis	st defining all municipalities/co	unties included.
TYPE OF REVIEW REQUIRED/REQUE	ESTED (Please answer both q	uestions)	
A. Does this action involve a permit approval or funding	g, now or ultimately from any othe	er governmental agency?	
No Yes			
If Yes, list agency name(s) and permit(s)/approval(s)			
Agency involved Ty	ype of permit/approval		State Federal
B. Have you consulted the NYSHPO web site at <u>http://w</u> to determine the preliminary presence or absence of resources within or adjacent to the project area? If	<u>/ww.nysparks.state.ny.us/shp</u> previously identified cultural yes:	<u>o</u> Yes	No No
Was the project site wholly or partially included within archeologically sensitive area?	n an identified	Yes	No
Does the project site involve or is it substantially con for listing in the NY State or National Registers of His	tiguous to a property listed or rec toric Places?	ommended Yes	Νο
CONTACT PERSON FOR PROJECT			
Name	Title		
Firm/Agency			
Address	Citv	STATE	Zip

_____ Fax (_____)____ E-Mail _____