ARCHAEOLOGICAL REMOTE SENSING AND DATA RECOVERY AT RAMSOUR'S MILL MASS GRAVE MONUMENT, 31LN209, LINCOLNTON, LINCOLN COUNTY, NORTH CAROLINA

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MANAGEMENT SUMMARY

This study records and describes the methods and results of the remote sensing with Ground Penetrating Radar (GPR) and data recovery project for the approximately two acre area in and around the Ramsour's Mill Mass Grave Monument, 31LN209, Figure 1. The field notes and artifacts from the Phase I survey conducted during 1991 (Baker 1991) are unavailable at this time for review. The area in and around the gravesite monument is very disturbed as indicated by both remote sensing, shovel testing and a single two-meter square centrally located in the study area.

Data recovery for the project areas adjacent to the gravesite monument, situated in Lincoln County, North Carolina, was conducted between January 14 and February 15, 2008. Background research including examining available topographic data of the area as well as reviewing the historical documents pertaining to the battle was used in addition to guidance from Lincoln County Museum of History staff. Field notes and artifacts recovered from a prior survey, completed in the summer of 1991 (Baker 1991) were, however, unavailable. As such, a strategy of remote sensing with Ground Penetrating Radar (GPR), systematic shovel tests, and a centrally placed 2-meter square test unit were employed to completely examine the area surrounding the Ramsour's Mill Mass Grave Site, 31LN209.

Archaeological site files at the Office of State Archaeology for Lincoln County were examined on December 21, 2007 for the presence of additional surveys in the project vicinity. No previously recorded historic sites associated with the battle itself were identified within one kilometer of the project areas during the literature review phase of the project. A number of ridge tops, ridge toe slopes and first order tributaries adjacent to the project were not investigated for site locations pertaining to the battle, i.e. Adam Reep's cabin, ford or canoe landing, Figure 2.

One hand-dug 2 x 2 meter test unit was excavated over the presumed location of the mass gravesite. Each level within each stratum was examined for the presence of cultural features or other buried soil horizons of either natural or cultural origin. If no features were found then excavation of the next level began. All soil was removed in 10-cm levels in instances of natural strata and 20-cm levels in instances of disturbed fill or slope wash. Excavated soil was then screened through ¼ inch (6 mm) wire mesh hardware cloth. Documentation included level forms for every level excavated and included a description of the recovered artifacts and strata. Soils were described using the Munsell color system and unit profiles were drawn and photographed.

The artifacts recovered from these investigations consist of three prehistoric lithic fragments, 1,657 historic artifacts, five bone fragments, and 29 discard or modern artifacts. The five bone fragments are unidentified and are from the second level of Test Unit 103N/97E. Two interior quartz flakes were recovered from the northeastern portion of the site in shovel test pits 120N/150E (Stratum II) and 140N/150E (Stratum I). The stratigraphy in this part of the site was relatively undisturbed except for the moderately deflated A Horizon. One non-diagnostic metarhyolite projectile point/knife fragment was recovered from the disturbed context of level 3 in Test Unit 103N/97E.

A total of 43 shovel test pits (STPs) were excavated within the project area. Only one STP (130N/110E) was not excavated due to ground disturbance. Of the shovel test pits excavated, 28 contained artifacts. Surface collections were made from eight shovel test pits. All of the artifacts recovered fall within the mid to late 19th century through early to mid 20th century and appear to correlate to the house that once stood at the top of the hill before the schools were built. There is a small prehistoric component isolated in the northeastern part of the site towards the top of the hill. A total of 501 artifacts were recovered from surface collections and shovel testing.

The majority of material comprising the historic assemblage is glass (*n*=588), metal (*n*=523), ceramic (*n*=264), organics (*n*=231), and composites (*n*=35). Other material recovered includes leather (*n*=2), faunal remains (*n*=5), kaolin (*n*=1), stone (*n*=10), and textiles (*n*=1). One artifact remained unidentified and 39 others are considered either modern or plastic.

Shovel tests around the presumed grave area produced deeper soil profiles than other parts of the site where bedrock was closer to the surface. The test unit showed multiple episodes of disturbance and fill intermingled with 20th century metal, ceramic, and glass fragments. This corresponds to what is known about the site originally having a house at the summit of the hill to the east and previously being used as a dump before the schools were built.

Excavations in the test unit failed to uncover anything relating to the late 18th century. If the mass grave of the Revolutionary War militiamen is located in or around the granite grave marker as Baker (1991) and others (Dellinger 1988) have indicated then it is deeper than what are practical using hand excavating techniques.

Further work is recommended at the site monument due to its regional historical importance as one of the few battlefields from the Revolutionary War in this part of North Carolina.

INTRODUCTION

This study was designed to record and describe the methods and results of the GPR and data recovery project on and in the adjacent vicinity of the Mass Grave Monument, 31LN209, Lincolnton, Lincoln County, North Carolina. Survey of the project area and excavation of one 2 x 2 m test unit were conducted over a course of 12 days by a crew of two people and volunteers and interns associated with the Schiele Museum. Fieldwork included documentation of the existing site conditions as well as an intensive survey of the proposed two-acre tract. Areas of obvious disturbance and slopes of greater than 15 percent were not shovel tested.

A review of the appropriate USGS 7.5' topographic map, Lincolnton West, NC (1993), was conducted prior to the initiation of the project (see Figure 1). The project area consists of approximately 2.0 acres (0.81 ha) on and adjacent to the Ramsour's Mill Mass Grave Monument at Battleground Middle School, with total area coverage of 2,800 square meters. A number of residential and educational buildings along with a high school football stadium have occupied this area since the middle of the 20th century. Archaeological fieldwork was undertaken at the site of the Ramsour's Mill Battle to locate potential prehistoric and/or historic resources in the project area and to confirm the location of the mass grave associated with the battle. Specific methodologies were employed for background review, fieldwork, and laboratory analysis for the project.

Data recovery for the project areas adjacent to the gravesite monument, situated in Lincoln County, North Carolina, was conducted between January 14 and February 15, 2008. Background research including examining available topographic data of the area, as well as reviewing the historical documents pertaining to the battle, was used in addition to guidance from Lincoln County Museum of History staff. Field notes and artifacts recovered from a prior survey, completed in the summer of 1991 (Baker 1991) were unavailable. As such, a strategy of remote sensing with Ground Penetrating Radar (GPR), systematic shovel tests, and a centrally placed 2-meter square test unit were employed to completely examine the area surrounding the Ramsour's Mill Mass Grave Site, 31LN209.

Jason Harpe, Director, Lincoln County Museum of History, Lincolnton, North Carolina provided project support, local historical suggestions and leads, survey maps, and helpful suggestions during the field phase of the project, considerably speeding remote sensing and data recovery activities. The Principal Investigator for the project was Dr. J. Alan May, Curator of Anthropology at the Schiele Museum of Natural History located in Gastonia, North Carolina. Data recovery was directed by Tracy Martin and assisted by January W. Porter. Laboratory analysis and inventory was completed by January W. Porter with assistance from Tracy Martin. Students from the UNC-Charlotte Historical Archaeology class assisted with ground penetrating radar prospection under the direction of Dr. Terry A. Ferguson, Ph.D., Wofford College, Spartanburg, South Carolina.

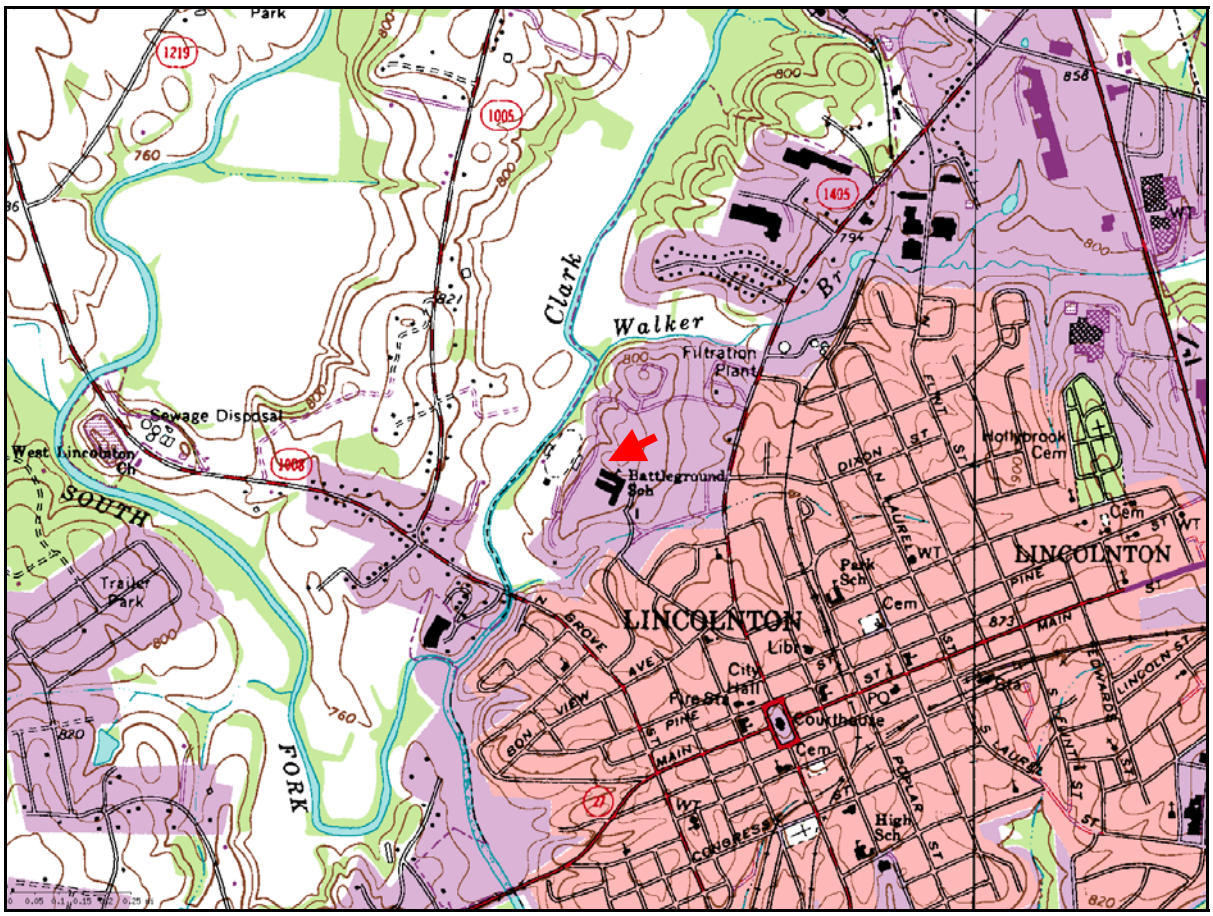

Figure 1. Project vicinity map, Lincolnton, NC (1993) 7.5 minute topographic map. Mass gravesite, 31LN209, marker lies immediately north of Battleground Middle School, arrow.

HISTORICAL OVERVIEW

As the morning of June 20, 1780, dawned the Patriot Whig Militia force of Colonel Francis Locke, 400 strong, attacked the approximately 1,300 Loyal Tory Militiamen under the combined command of Lt. Colonel John Moore and Major Nicolas Welch. The Loyal Tory Militiamen were encamped outside the colonial town of Lincolnton. The camp was located on a hill along the east bank of Clark's Creek and Ramsour's Mill Pond on the property of Christian Reinhardt of Lincoln County, Figure 2.

The Patriot attack developed along the Old Sherrill's Ford Road with a cavalry assault that was led by Major Joseph McDowell. This sudden surprise attack drove the Tory pickets into their encampment on the crest of the hill. It was here that the Tories rallied and counterattacked driving the cavalry back down the hill into the oncoming Patriot Infantry.

As the Tories swept down the hill in pursuit of the retreating mounted forces of McDowell, the Patriot Infantry commanded by Colonel Locke formed a new battleline along a glade between the Old Sherrill's Ford Road and the Tuskaseegee Road. This new line poured a heavy fire into the approaching Tories halting their advance and forcing them to retreat once again to the safety of the crest of the hill. Then a second assault by the Patriots surged uphill only to be quickly dispersed by the musket fire from the newly established Tory battleline. Following up their repulse of the second Patriot attack, the Tories once more descended down the hill in hopes of driving the Patriot forces from their position in the glade at the base of the hill. It was at this time that Whig Captain Hardin descended down the hill from Lincolnton and deployed his company on the extreme right flank of the Tories –pouring a heavy enfilade fire into the ranks of the Tories (area shown in the photo on the left). This combined with the tactical efforts of the Whig Captain Sharpe and his company to extend the Patriot line North turning the Tory left flank, broke the Tories hold on the hill position and the they fled West across Clark's Creek in retreat.

As Moore's Loyalists reformed on the opposite bank of the creek near Ramsour's Mill, Colonel Locke formed a new Patriot line along the crest of the hill. A flag of truce was sent by Moore as a way to buy time for the withdrawal of his forces from the Mill without further engaging the Patriots. His ruse was successful and the one-hour fight at Ramsour's Mill was ended. Scattered over the hillside were over 70 dead and close to 200 wounded Patriots and Loyalist. In the end the effects of this neighbor vs. neighbor, kin vs. kin, and friend vs. friend conflict would have greater long-term effects on the participants that only time would heal.

Many of the militia who fought here would soon return home and try to forget the horror experienced on this hill outside of Lincolnton, but the repercussions of the events here would be felt across the region and the Nation as the war in the Southern Colonies heated up and eventually climaxed at Yorktown. This victory was the first since the fall of Charleston and the loss of the American Continental Army at Buford's Massacre. Its effects successfully stemmed the tide of Tory activity in the region hindering the advance of Cornwallis into North Carolina and led to the eventual Patriot victory later that fall at King's Mountain.

On the 1780 field of battle where these 1,700 men clashed in a desperate fight for what they believed in, stands a county school campus that includes three schools and athletic fields surrounded by residential neighborhoods. Scattered amongst the campus buildings are

reminders of the past. A mass grave that holds the bodies of those that perished here sits quietly near the hilltop where the battle once raged. Several grave markers also dot the landscape in addition to other monuments that have been erected by the survivors, family members, and the community, Figure 2. In addition, traces of the old road system can be found as well as the old stone bridge abutments at Clark's Creek. The Lincoln County Historical Properties Commission owns and preserves the area of the battlefield that the Tories fled from the attack of Captain Hardin's Company.

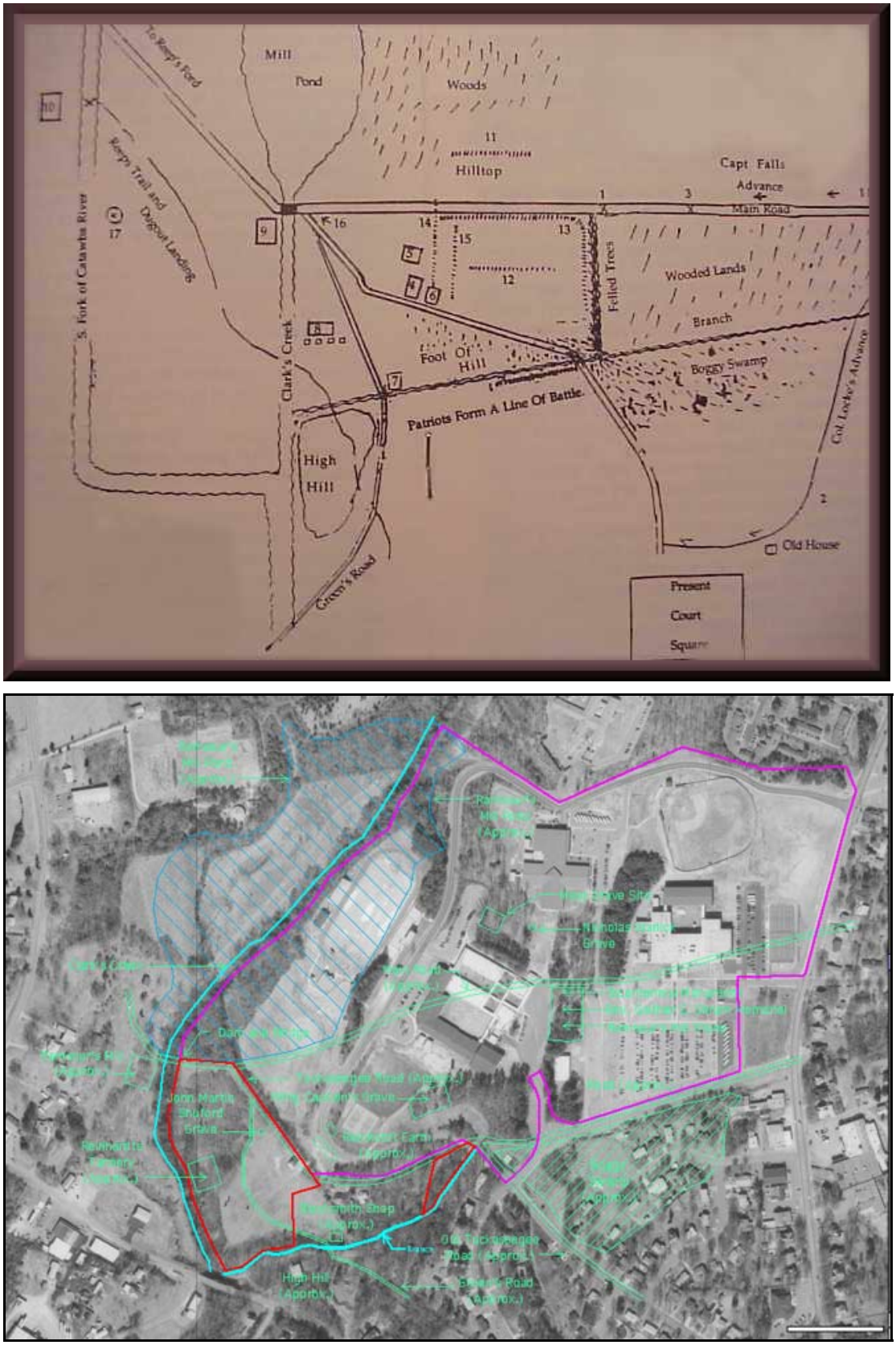

Figure 2**.** Battle field sketch top, and site area today with points of interest identified, bottom.

Archaeological Definitions and Methods

Archaeological fieldwork, Figure 3, was undertaken at the site of the Ramsour's Mill Battle to locate potential prehistoric and/or historic resources in the project area; and specifically to confirm the location of the mass grave associated with the battle. Specific methodologies were employed for background review, fieldwork, and laboratory analysis for the project. The methods employed are outlined below.

Literature and Records Search

An intensive background research was conducted at the reference library of the Lincoln County History Museum. Additional regional historical material and maps were referenced at the Schiele Museum of Natural History. Previous archaeological work at the site (Baker 1991) was also carefully studied to determine areas to conduct remote sensing (GPR) and additional testing. The goals of the background research were to gather information on previous historic structures that used to be in the project area, nearby previously recorded archaeological sites, and the location of cemeteries in the area.

Field Methods

Survey of the project area and excavation of one 2 x 2 m test unit were conducted over a course of 12 days by a crew of two people and volunteers and interns associated with the Schiele Museum. Fieldwork included documentation of the existing site conditions as well as an intensive survey of the proposed two-acre tract not exhibiting evidence of obvious disturbance and slopes of less than 15 percent. A grid of shovel test pits (STPs) was laid out using a transit, cloth measuring tapes, and two datum points. Datum 1 (100N/100E) was placed at the southeast corner of the granite mass grave boundary while datum 2 was placed 50 m east at 100N/150E. The grid measured approximately 70 x 40 m in size and STPs were placed at 10 m intervals within the project boundaries. Boundaries for the project area consisted of cultural features on the landscape. Battleground Elementary School is situated approximately 20 m to the south and a sidewalk and parking lot formed the boundary to the west. Property boundaries of a chain link fence formed most of the northern and eastern boundaries. Sparsely wooded and moderately sloped woodlands lie to the northwest.

During the survey period temperatures during the day ranged from the mid to upper 40's Fahrenheit but this was not a factor in site identification. During the days of survey conditions were ideal, cool, some overcast, and the occasional rain shower; but these conditions were not detrimental to remote sensing, shovel testing or test excavation. Shovel testing was facilitated with increased soil moisture in the mostly shady areas along the ridge top, except for fairly steep slopes grid east of the monument. Soils encountered in the project areas were Madison (ridge top or slope), Chewacla, or Congaree loams (floodplain). These low-lying floodplain soils were generally wet, even after several weeks of no rain. The upper 10 - 15 cm of these soils contained relatively small amounts of organic matter in the form of leaves, grass, and roots.

STPs, Figure 3, were excavated at 10 m intervals forming a grid approximately 70 x 40m in size and 20 m north of Battleground Elementary School. Shovel tests were not excavated

Figure 3. Shovel tests top, and 2-meter square excavation within the monument, bottom.

in areas of standing water, hydric soils, or areas of severe ground disturbance. STPs were 30 cm in diameter, and were excavated in natural levels 10 cm into subsoil. Soil was screened through ¼ inch wire mesh and the walls of each STP were examined for artifacts, features, and other indications of an archaeological site. The stratigraphic profile of each STP excavated was recorded, including the depth, artifact recovery, soil texture, and predominant Munsell colors. Exposed eroded areas were inspected by a pedestrian survey consisting of a general walkover of the exposed areas.

One hand-dug 2 x 2 meter test unit, Figure 3, was excavated over the presumed location of the grave at site. Each level within each stratum was examined for the presence of cultural features or other buried soil horizons of either natural or cultural origin. Features are an indication of undisturbed deposits and significant for the identification and dating of the stratum. Any identified features will be mapped, photographed, and sampled for subsequent analysis. Portions of features not excavated will be avoided as remaining portions of the level are excavated. If no features were identified then excavation into the next level continues. All excavations will cease when human remains are encountered, bedrock is uncovered, or obviously disturbed—and modern—materials recovered. All soil was removed in 10-cm levels in instances of natural strata and 20-cm levels in instances of fill. Soil was then screened in ¼ inch wire mesh. Documentation included level forms for every level excavated and included a description of the recovered artifacts and strata. Soils were described using the Munsell color system and unit profiles were drawn and photographed.

The site was mapped using a transit, compass, and tape. The site map also identifies relatively permanent modern features such as monuments and memorials, an antennae placement, and fences denoting property boundaries, Figure 4. This will facilitate precisely relocating shovel test pits (STPs) and the test unit in the event of future work at the site.

In addition to the fieldwork, notes were taken on the survey methods and environmental conditions. Representative photographs of the project area were taken with a digital camera to document the general topography, vegetation, and severity of disturbance.

Laboratory Methods

The recovered artifacts were returned to The Schiele Museum of Natural History's laboratory for processing. Artifacts were cleaned and catalogued according to established typologies. The prehistoric lithic artifacts were categorized based on the raw material (e.g., rhyolite, quartz) from which the artifact was manufactured and placed into a category reflecting the stage most accurately represented in the lithic reduction sequence. Historic artifacts were classified according to style and function when possible using established artifact descriptions such as Noël Hume (1969) and South (1977).

Curation

The curation of the artifacts will be according to Office of State Archaeology (OSA) standards and are currently stored in the archaeology laboratory at The Schiele Museum of Natural History in Gastonia, North Carolina. Ultimately, the materials will be curated at the Lincoln County Museum of History in Lincolnton, North Carolina.

RESULTS OF INVESTIGATIONS

The project area is located approximately 180 m east of Clark Creek and 380 meters south of Walker Branch on the western slope of a low grading hill northwest of Lincolnton town square, North Carolina. The size of the project area is restricted by modern development in almost all directions including one school to the south, school playgrounds to the north and east, and a school parking lot to the west. The project area is approximately 70 x 40 meters in size. All of the land within the project area is owned by the Lincoln County School District.

Ground Penetrating Radar Remote Sensing by Terry A. Ferguson, Ph.D.

Ground-penetrating radar (GPR) is a geophysical method that uses radar pulses to image the subsurface. This non-destructive method uses electromagnetic radiation in the microwave band (UHF/VHF frequencies) of the radio spectrum, and detects the reflected signals from subsurface structures. GPR can be used in a variety of media, including rock, soil, ice, fresh water, pavements and structures. It can detect objects, changes in material, and voids and cracks.

GPR uses transmitting and receiving antennas. The transmitting antenna radiates short pulses of the high-frequency (usually polarized) radio waves into the ground. When the wave hits a buried object or a boundary with different dielectric constants, the receiving antenna records variations in the reflected return signal. The principles involved are similar to reflection seismology, except that electromagnetic energy is used instead of acoustic energy, and reflections appear at boundaries with different dielectric constants instead of acoustic impedances.

There is very little in the radar that is interpretable. What results there are, are highly problematical. One image is the 24-meter long transect which begins 8 meters NW of enclosure and extends 24 meters to East up the hill, Figure 4, top. It runs along the northern edge of the enclosure 50cm to the north. There is a two dimensional profile, Figure 4, bottom, across the unit which should cross cut about where the 2-meter test unit is located. This profile is looking west. The third figure is of 3-nano second time slices that approximate 15 centimeters thick slices across the enclosure. The lower left corner of the figure is the southwest corner.

Concerning possible interpretations: 1) The long downhill profile looks fairly "texturally" uniform. It might be possible to see some "textural" differences in the vicinity of the enclosure (see black lines in figure). In general what we can assume is undisturbed saprolite does not look very different from what might be fill in the eroded or excavated ditch. 2) The textural similarities are in the enclosure profile as well. It is difficult to impossible to see where Baker's units were. Their lack of distinction is not a good sign. The lack of any clearly definable ditch boundaries in either the long or profile transect in not a good sign. There are a few hyperbolas in this profile and others. For example at around 1 meter down and 4.5 meters over in the enclosure profile is the apex of a hyperbola that is probably a rock or another object. 3) Finally, the time slices approximating 15 cm slices (note: there is some

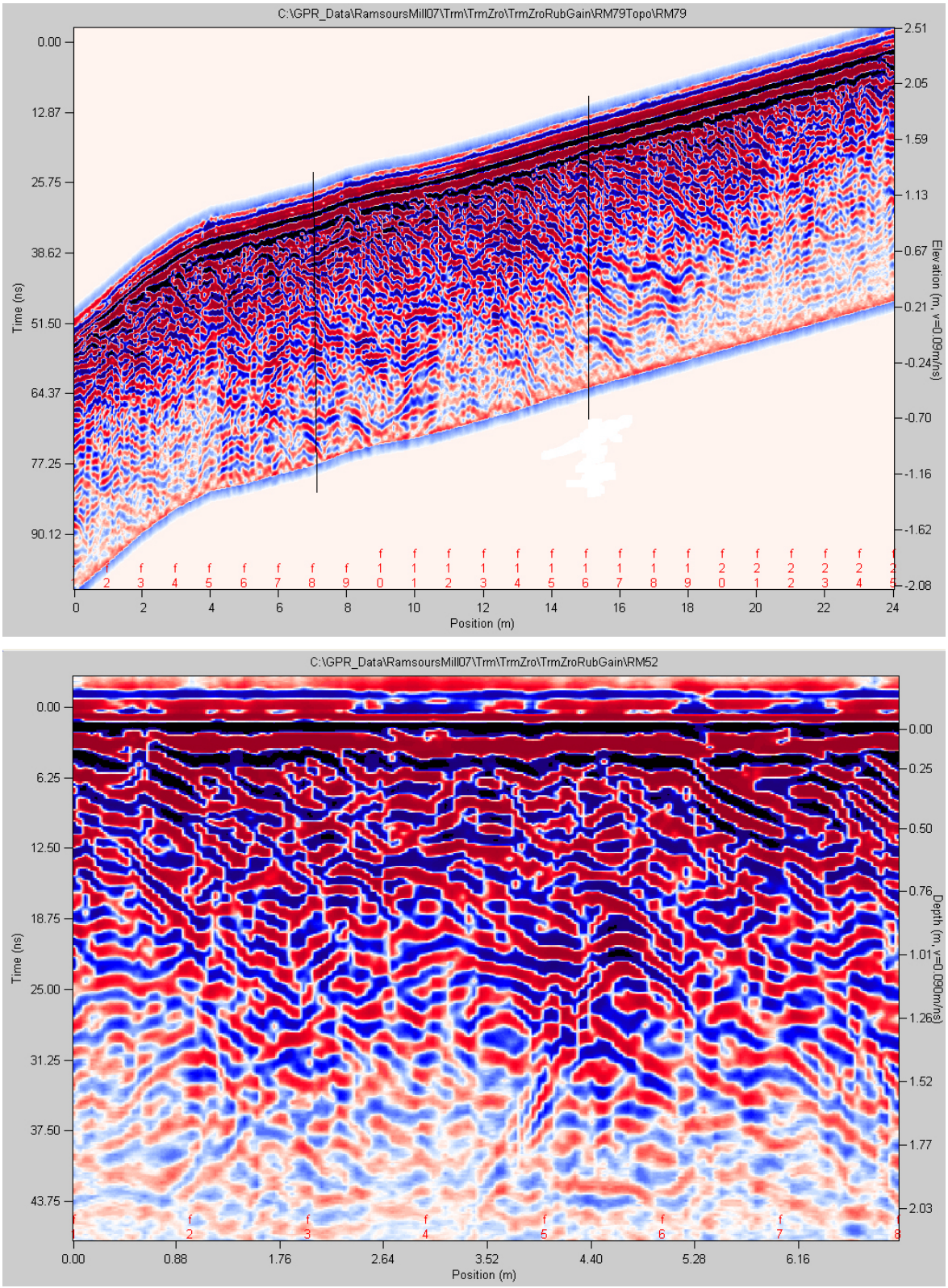

Figure 4. GPR profile (grid east-west) long transect, top, and profile (grid north-south) within the monument boundary, bottom.

overlap between adjacent slices) show a few anomalies, Figure 5. They like the profiles do not show Baker's units. There is a slight suggestion of a NW trending feature (the ditch?) shown by the light blue in the 5th through the 12th slices. As you can see there are suggestions of features and anomalies but in general no clear interpretation is possible. Clay with radar is always tricky. The radar signal attenuates rapidly in clay and it is likely that much of what we are seeing below a meter is more noise than signal. The refilling of ditches or excavation with the same oil fill often makes them transparent. The down slope movement of the near surface soil by soil creep and sheet wash over the past 200 plus years is probably also a factor.

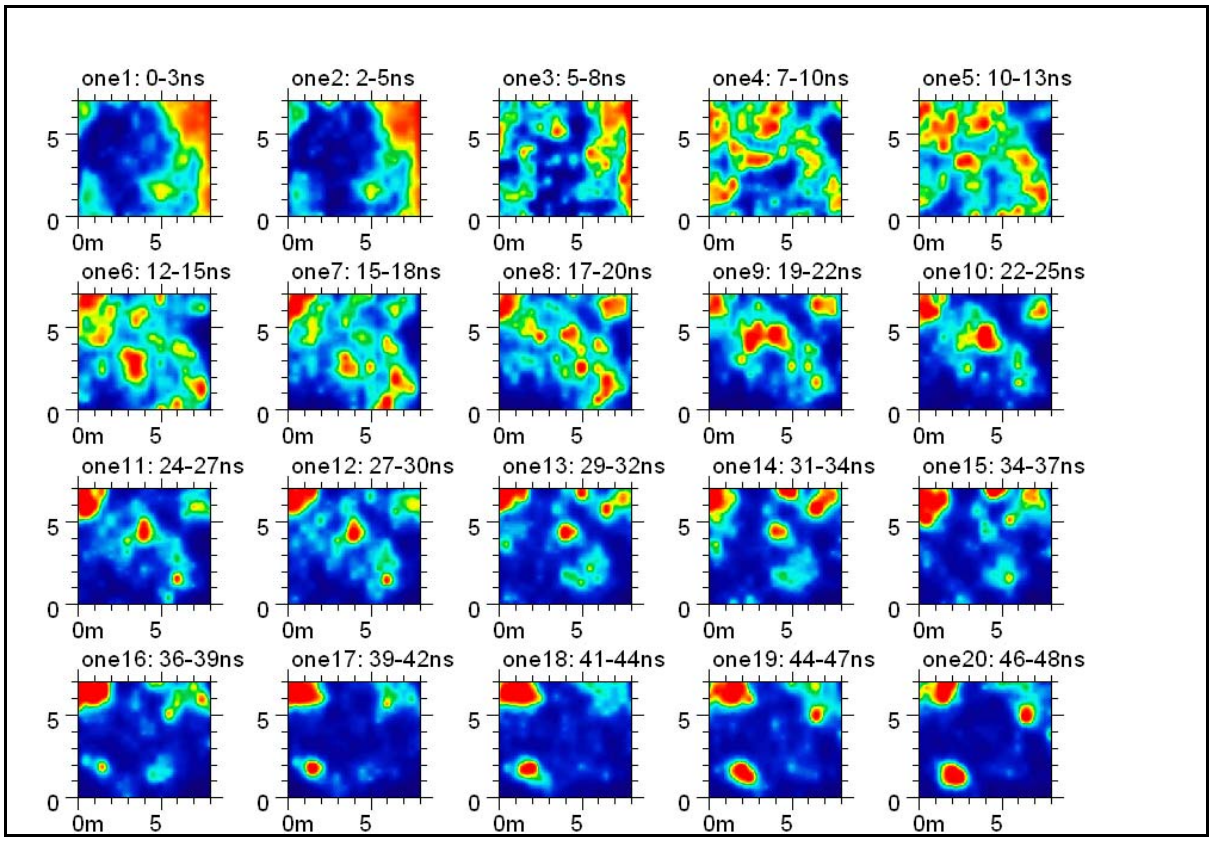

Figure 5. GPR time slices from top to bottom within the monument transect.

Field Research

The field investigations for the project included systematic shovel testing, followed by the excavation of one 2 × 2 m test unit to further investigate the presumed area of the mass gravesite at Ramsour's Mill.

Ramsour's Mill Mass Grave Site, 31LN209

Component: Unidentified prehistoric; mid 19th century–mid 20th century
Site Dimensions: Limited, minimum 70 x 40 m
UTMs (NAD 27): Zone 17, 3926060N and 476080E
Landform: Hillside
Elevation:
Soil Type: Madison sandy loam (MaD), 15–25% slopes; Madison sandy loam (MdB2), 2–8% slopes, eroded; Urban land (Ur)
Total STPs: 43
Postive STPs: 28
Total Artifacts: 1,694
Prehistoric Artifacts: 3
Historic Artifacts: 1,657
Faunal Artifacts: 5
Recommendation: Potentially eligible to the National Register of Historic Places

Systematic shovel testing began on Jan. 14, 2008 after a grid was laid in using a transit and cloth measuring tape. The southeastern corner of the granite mass grave boundary was established as datum 1 and labeled 100N/100E. Datum 2 is located 50 m east at 100N/150E. The grid was established using north, south, east, and west transects, which covered the hillside up to the fence boundaries and approximately 10 m into the wood line along the northwest boundary. STPs were placed every 10 m. More intensive shovel testing was necessary around the mass grave. In that area, the interval between STPs was tightened to 5 m and 2.5 m.

A total of 43 STPs, Figure 6, were excavated within the project area. Only one STP (130N/110E) was not excavated due to ground disturbance. Of the STPs excavated, 28 contained artifacts. Surface collections were made from eight STPs. All of the artifacts recovered fall within the mid to late 19th century through early to mid 20th century and appear to correlate to the house that once stood at the top of the hill before the schools were built. There is a small prehistoric component isolated in the northeastern part of the site towards the top of the hill. A total of 501 artifacts were recovered from surface collections and shovel testing.

After shovel testing, one 2 x 2 m test unit was excavated within the granite monument boundary. The location for the test unit was purposefully chosen. The obvious reasons were to take advantage of the deep soils found in that area of the site and to test a part of the grave depression that Baker (1991) had tested while managing to avoid the previous test units from Baker's investigations. GPR results had also proved to be inconclusive in this area. Rather than this be a deterrent, it could have been attributed to the amount of metal that was found in the test unit and in no way should have been a sign of not to further test in that area.

Level 1 of the test unit was excavated in an arbitrary 10 cm deep layer using the southeastern corner of the test unit as a datum. Because so much of the test unit proved to be disturbed, levels 2 through 7 were excavated in 20 cm levels. Soil in the last two levels (6 and 7) was not screened due to underlying and overlying disturbed deposits. Artifacts at

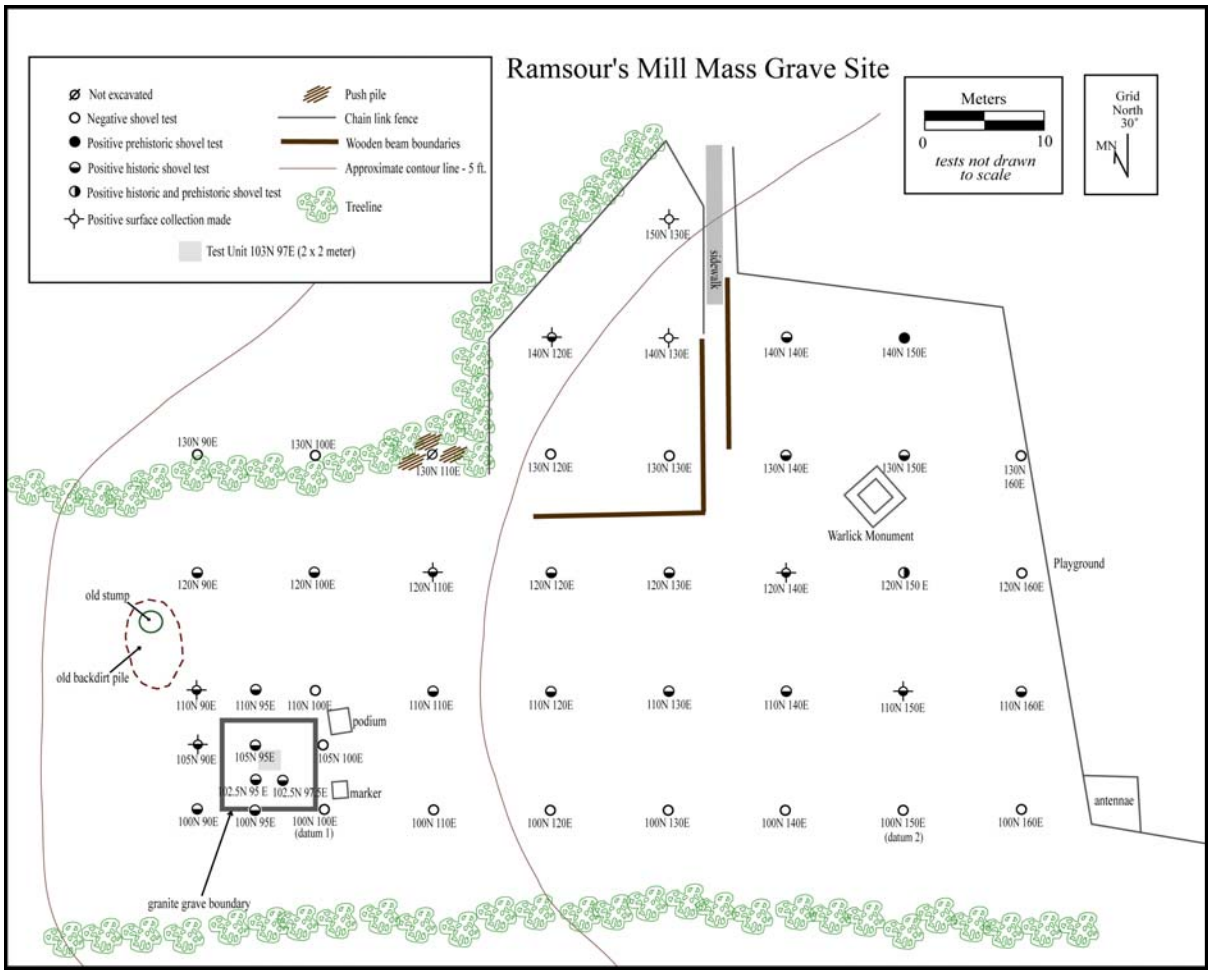

Figure 6. Mass grave site monument with shovel test locations and test square location.

these deepest levels consisted mainly of early to mid 20th century glass, metal, organic fabric (e.g., shoes, clothing) and were generally discarded.

In order to expedite fieldwork Test Unit 103N/97E was excavated in steps. The northwest quadrant of the test unit was not excavated past level 2 and the southwest quadrant was not dug past level 3. The southeast corner was excavated to level 5 and the northeast corner was excavated to the bottom of level 7.

Soils

After shovel testing it was clear that a great deal of ground disturbance had affected the slope in the project area. Sheet wash has sent much of the topsoil as well as a large portion of artifacts down the hill. Except for some STPs along the northern and eastern periphery, almost all of the STPs exhibited evidence of grading and fill. Some centrally located STPs produced a medium to coarse sandy fill layer that was brought to the site at some point in the past. Below the sand is a layer of disturbance indicating that grading took place before the sand was deposited. It is possible that this could be river sediment brought in for landscape alteration or sand associated with the school playgrounds nearby. Soils proved to go very deep within, and in close proximity to, the presumed mass grave.

In the Madison soils complex (side slopes and uplands) the upper 7 inches (17.5 cm) is a yellowish brown sandy loam and strongly acid. The subsoil extends to a depth of about 25 inches (63.5 cm). It is red clay in the upper part; and yellowish-red clay loam in the lower part. The underlying material to a depth of 62 inches (157.5 cm) is multicolored saprolite that has a texture of loam (Soil Survey of Lincoln County 1995:24). Soil colors recorded in the field include 5YR5/8, 2.5YR 4/6, and 2.5Y5/8. The C horizon is reddish or multicolored that weathered from felsic, micaceous, metamorphic rock and varies in texture.

Chewacla and Congaree soils are also nearly level, somewhat poorly drained soils on floodplains. These soils formed in recent alluvium and contain from several inches to several feet of fill. Like the Madison series, the top 10 inches (25 cm) is brown loam, color 7.5YR4/4 to 10YR4/3. The subsoil is about 60 inches (152 cm) thick. The maximum depth of the average shovel test in these soils was 50 cm therefore the base of this subsoil was only encountered in stream cut banks and eroded areas adjacent to ridge toe slopes. The upper part of the subsoil is brown friable loam mottled with light brownish gray. Underlying this is dark reddish friable loam mottled with light brownish gray (Soil Survey of Lincoln County). Archaeological sites are more likely found on the well drained upland and slope soils such as the Cecil and Madison soil series. Soil maps were examined prior to conducting the reconnaissance survey.

Soils in Test Unit 103N/97E proved to be as disturbed as the rest of the site that was tested. Profiles showed multiple episodes of fill, possible buried A Horizon soils, and sandy clays mixed together over the last century. The test unit turned out to be a large trash pile consisting of glass, metal, ceramics, and various artifacts relating to early to mid 20th century life. Some of the larger artifacts that were left in situ include a rubber inner tube approximately 80 centimeters below surface (cmbs), a large metal bucket or tub in the north profile extending to a depth of approximately 100 centimeters below surface. It would appear that these multiple episodes of fill combined with the modern artifacts are the result of wash from the top of the slope. It is also likely that some of this material may have been mechanically pushed down the hill in multiple episodes of landscape work sometime in the 20th century.

Stratigraphy in the south profile, Figure 7 top, appeared to be more layered than the other two examined. Stratum I consists of dark brown (10YR 3/3) sandy loam. Stratum II consists of yellowish red (5YR 4/6) sandy clay loam. This was underlain by dark yellowish brown (10YR 3/4) sandy loam followed by dark yellowish brown (10YR 3/6) sandy clay loam. Within this last stratum is a dark yellowish brown (10YR 4/4) sandy clay portion.

There were no real discernable stratigraphic layers in the eastern profile, Figure 7, bottom. Almost all of the profile consisted of dark brown (10YR 3/3) sandy loam. Throughout this profile are occurrences of mixed soil such as yellowish red (5YR 4/6) sandy clay loam, brown (7.5YR 4/4) sandy loam, and dark brown (10YR 3/6) sandy loam. Beginning at approximately 85 centimeters below surface and continuing to the bottom of the test unit is a layer of early to mid 20th century trash. Underlying this layer of trash, and beginning approximately level 7, is a strong brown (7.5YR 4/6) sandy micaceous layer. Soil probing an additional 20–30 centimeters below the bottom of level 7 indicated a continuation of this layer.

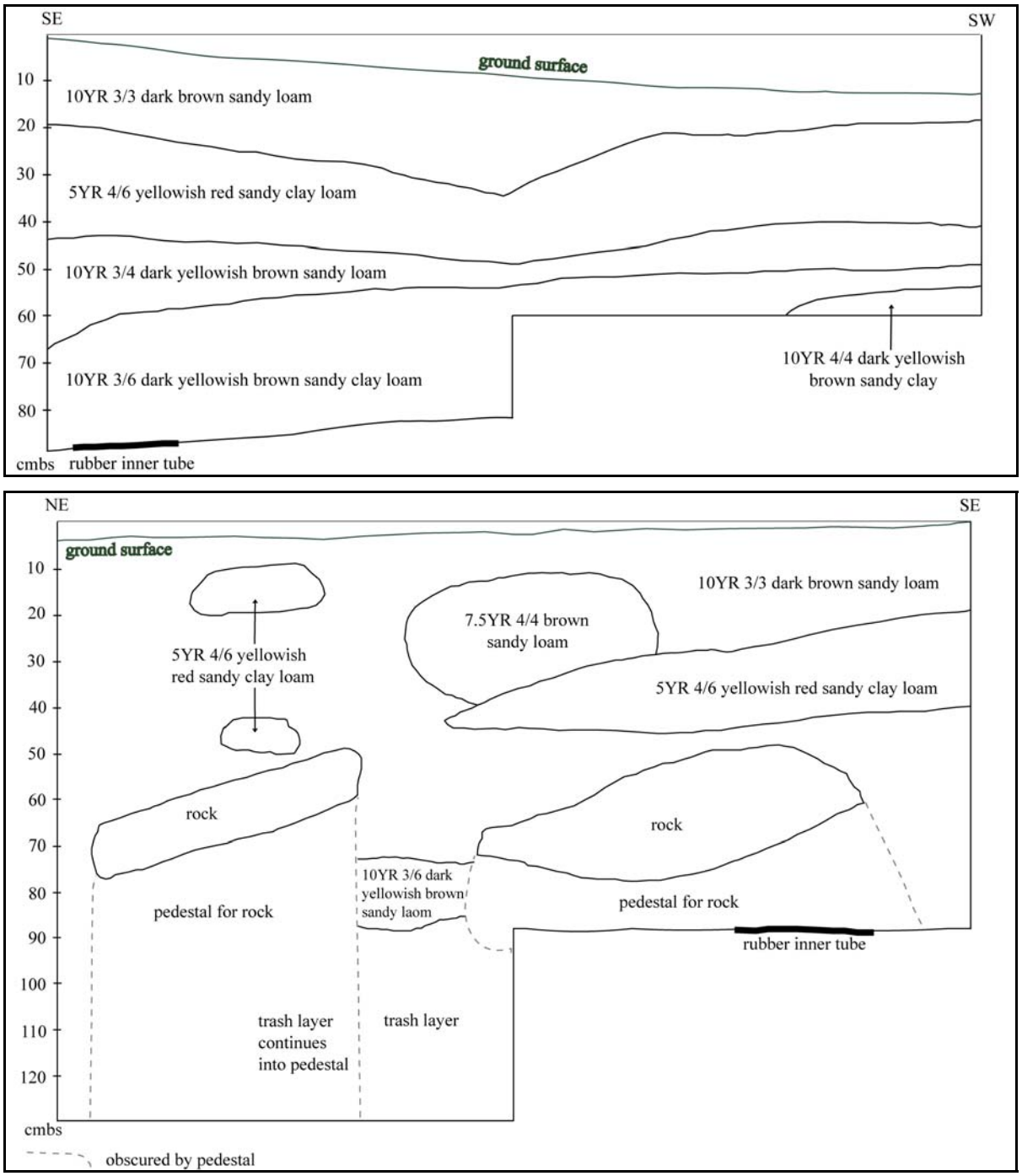

Figure 7. Excavation square south profile, top, and east profile, bottom within monument.

Artifacts and Artifact Distributions

The artifacts recovered from these investigations consist of three prehistoric lithic fragments, 1,657 historic artifacts, five bone fragments, and 29 discard or modern artifacts. The five bone fragments are unidentified and are from the second level of Test Unit 103N/97E. Two interior quartz flakes were recovered from the northeastern portion of the site in STPs 120N/150E (Stratum II) and 140N/150E (Stratum I). The stratigraphy in this

part of the site was relatively undisturbed except for the moderately deflated A Horizon. One non-diagnostic metarhyolite projectile point/knife fragment was recovered from the disturbed context of level 3 in Test Unit 103N/97E.

The majority of material comprising the historic assemblage is glass (*n*=588), metal (*n*=523), ceramic (*n*=264), organics (*n*=231), and composites (*n*=35). Other material recovered includes leather (*n*=2), faunal remains (*n*=5), kaolin (*n*=1), stone (*n*=10), and textiles (*n*=1). One artifact remained unidentified and 39 others are considered either modern or plastic.

Glass artifacts are the most numerous (*n*=589). Container glass (*n*=428) is the most common type found in the assemblage. Only a few bottles were recovered whole and include one Whitehouse Vinegar bottle, one ketchup bottle, one clear pill bottle, one "Nowlands Brand Products" bottle, and one "Pepsi Cola" bottle. Other vessels represented by fragments include milk bottles, Mason jars, "Milk of Magnesia," perfume bottles, soda bottles, and bowls. A variety of colors were recovered including milk glass, clear, light green, light amethyst, pale amethyst, light green, light pink, light lavender, light aqua-blue, light aqua-green, aqua, cobalt blue, aqua-blue, aqua-green, dark aqua-green, auburn, lime green, amber, violet, and peach.

A total of 209 glass fragments were recovered during the initial survey of the project area. They were recovered from the ground surface (*n*=75), Stratum I (*n*=36), Strata I and II (*n*=37), Stratum II (*n*=37), Strata II and III (*n*=16), Stratum III (*n*=6), and Stratum IV (*n*=2). The test unit yielded 379 pieces in disturbed context in all seven levels.

There are 158 flat glass fragments in the assemblage. All of these represent window glass. Colors vary from clear, light green, aqua green, light aqua-green, and light aqua blue-green. One aqua-blue glass insulator was also recovered.

Metal comprises the second largest group of historic artifacts (*n*=523). Shovel testing produced 95 fragments in Stratum I (*n*=25), Strata I and II (*n*=16), Stratum II (*n*=36), Strata II and III (*n*=1), Stratum III (*n*=10), Stratum IV (*n*=5) and two on the ground surface. The test unit yielded 428 metal fragments from all seven layers of disturbed context.

The majority of metal recovered is nails (*n*=291) and include cut nails (*n*=90), wire nails (*n*=99), unidentified nails (*n*=101), and one wrought nail. Other metal fragments recovered during these investigations are chain linking (*n*=37), metal sheeting (*n*=34), wiring (*n*=15), tin can fragments (*n*=13), bullet casings (*n*=5), barbed wire (*n*=5), bar stock (*n*=4), roof fragments (*n*=4), buttons (*n*=4), nut and bolts (*n*=3), harness (*n*=2), screw and bolt (*n*=2), horseshoe (*n*=2), bracket or anchor (*n*=2), and staples (*n*=2). One each of the following were also recovered: clamp, coin (1994 nickel), unidentified handle fragment, harrow tine, hinge, hoe blade, aluminum cap, bracket, buckle, tack, mule shoe, bottle cap, lock plate, shotgun shell, and a spring. Eighty-three metal objects remain unidentified because of corrosion.

Ceramics (*n*=264) are the third largest category of historic artifacts. A general surface collection during the initial survey produced 42 sherds. The rest were recovered subsurface in Stratum I (*n*=18), Strata I and II (*n*=20), Stratum II (*n*=24), Stratum III (*n*=4), Stratum IV (*n*=5), and Stratum V (*n*=5). The test unit excavations resulted in 142 sherds in disturbed context in all seven levels.

Alkaline glazed stoneware is the most common type recovered (*n*=84). This is followed by whiteware (*n*=63), porcelain (*n*=25), ironstone (*n*=22), and granite china (*n*=22). Other types of ceramic not as numerous in the recovery include yellowware (*n*=3), untyped stoneware (*n*=7), Albany slip glazed (*n*=9), coarse earthenware (*n*=7), Bristol glazed (*n*=4), Albany slip/Bristol glazed (*n*=3), Bristol glazed (*n*=1), salt glazed (*n*=3), Rockingham glazed (*n*=1), Polychrome (*n*=1), yellow glazed (*n*=3), and refined earthenware (*n*=2). Other ceramic artifacts not identified as pottery include one doorknob and one button.

Organic material comprises the next group (*n*=231). This includes charcoal (*n*=129), coke (*n*=58), and coal (*n*=41). Fifty-five artifacts in this group came from the initial shovel testing at the site and were found in Stratum I (*n*=11), Strata I and II (*n*=22), Statum II (*n*=13), Strata II and III (*n*=2), Stratum V (*n*=1), and the ground surface (*n*=1). A total of 176 artifacts in this group came from the disturbed context of Test Unit 103N/97E, Figure 8.

Thirty-five artifacts are considered composite and relate to architecture. These include brick and cinder block fragments (*n*=14), tar and tar roofing fragments (*n*=7), caulk (*n*=3), cement (*n*=3), mortar (*n*=2), asbestos (*n*=2), modern underground piping fragment (*n*=2), asphalt (*n*=1), and concrete (*n*=1). The majority (*n*=21) of these artifacts were recovered from the test unit. The rest were recovered during the survey phase of this project from the general ground surface (*n*=6), Stratum I (*n*=4), Strata I and II (*n*=3), and Stratum II (*n*=1).

Stone artifacts include nine fragments of slate roofing tile and one piece of lead from a lead pencil. All of these artifacts were recovered from Test Unit 103N/97E.

The remaining artifacts recovered during excavation are two pieces of leather including one unidentified fragment and one shoe fragment from STPs 100N/95E and 120N/110E. These items were recovered from Stratum I and Stratum II, respectively. Two textile fragments came from level five of the test unit and include a fragment of cordage and one modern piece of clothing with a zipper. Level five also yielded one piece of unshaped kaolin. One unidentified object was recovered in level 6 but can only be identified as a peg. The material it is made of is unknown.

There are 39 pieces of modern artifacts or plastic recovered from the test unit. These include 15 pieces of plastic that were discarded in the laboratory, linen decorative plant fragments (n=2), assorted plastic pieces including one button (n=8), modern shoe fragments (n=3), and one unidentified object described only as “green.”

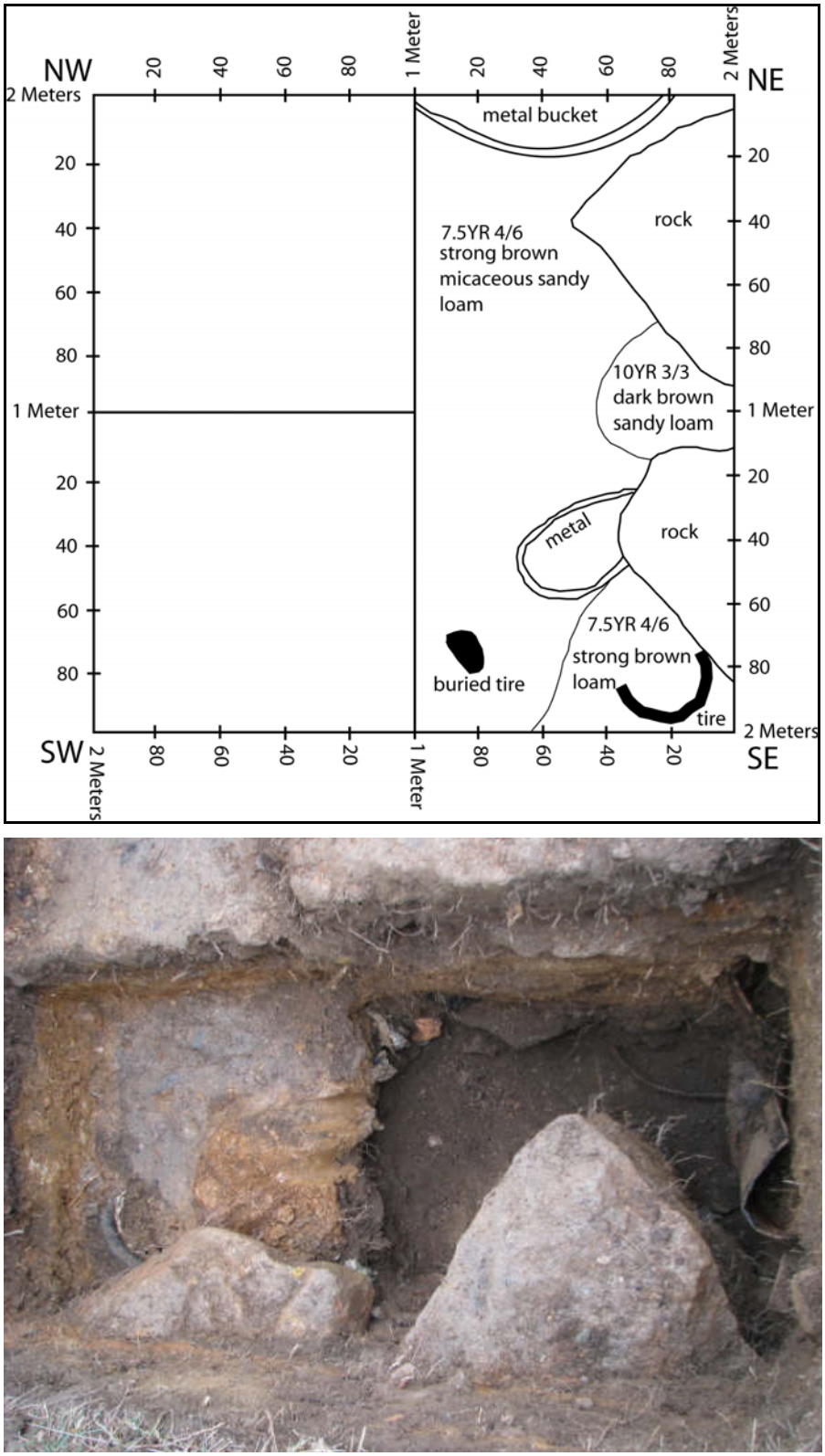

Figure 8. Plan view of the bottom of level 5 in the excavation unit within the monument, top and photograph of the same area (metal bucket is to the right), bottom.

SUMMARY AND INTERPRETATIONS

This study records and describes the methods and results of the remote sensing with Ground Penetrating Radar (GPR) and data recovery project for the approximately two acre area in and around the Ramsour's Mill Mass Grave Monument, 31LN209, Figure 1. The field notes and artifacts from the Phase I survey conducted during 1991 (Baker 1991) are unavailable at this time for study. The area in and around the gravesite monument is very disturbed as indicated by both remote sensing, shovel testing and a single two-meter square centrally located in the study area.

The purpose of this archaeological fieldwork was to test approximately two acres northeast of Lincolnton, North Carolina for intact cultural features including a possible mass grave site in what remains of one the few original Ramsour's Mill Battleground areas. The project consisted of remote sensing with ground penetrating radar, limited shovel testing, and the excavation of one 2 x 2 meter test unit.

A review of the appropriate USGS 7.5' topographic map, Lincolnton West, NC (1993), was conducted prior to the initiation of the project (see Figure 1). The project area consists of approximately 2.0 acres (0.81 ha) on and adjacent to the Ramsour's Mill Mass Grave Monument, 31LN209, at Battleground Middle School, with total area coverage of 2,800 square meters. A number of residential and educational buildings along with a high school football stadium have occupied this area since the middle of the 20th century. Archaeological fieldwork was undertaken at the site of the Ramsour's Mill Battlefield to locate potential prehistoric and/or historic resources in the project area more specifically to ascertain the location of the mass grave associated with the battlefield. Specific methodologies were employed for background review, fieldwork, and laboratory analysis for the project.

A total of 43 shovel test pits (STPs) were excavated within the project area. Only one STP (130N/110E) was not excavated due to ground disturbance. Of the shovel test pits excavated, 28 contained artifacts. Surface collections were made from eight shovel test pits. All of the artifacts recovered fall within the mid to late 19th century through early to mid 20th century and appear to correlate to the house that once stood at the top of the hill before the schools were built. There is a small prehistoric component isolated in the northeastern part of the site towards the top of the hill. A total of 501 artifacts were recovered from surface collections and shovel testing.

The purpose of this archaeological fieldwork is to test approximately two acres northwest of Lincolnton, North Carolina for intact cultural features including a possible mass grave site in what remains of one the few undeveloped Ramsour's Mill Battleground areas. The project consisted of remote sensing with ground penetrating radar, limited shovel testing, and the excavation of one 2 x 2 m test unit.

Shovel testing was performed in the confined area. One test unit was placed adjacent to previous archaeological test trenches and squares (Baker 1991). Artifacts recovered include a large number of historic artifacts (n=1,694), three prehistoric lithic fragments, and five animal bone fragments. Testing indicated the area had been greatly disturbed in the past. Throughout much of the site is evidence of fill and grading. It appears that a great deal of wash and grading has moved many of the artifacts, as well as the topsoil, west towards the bottom of the slope.

Shovel tests around the presumed grave area did yield deeper soils than other parts of the site. The test unit showed multiple episodes of disturbance and fill intermingled with 20th century metal, ceramic, and glass trash. This corresponds to what is known about the site originally having a house at the summit of the hill to the east and previously being used as a dump before the schools were built.

Excavations in the test unit failed to uncover anything relating to the late 18th century. If the mass grave of the Revolutionary War militiamen is in or around the granite grave marker and Baker (1991) and others (Dellinger 1988) have indicated, it is deeper than what are possible using hand excavating techniques.

Further work is recommended at the site monument due to its regional historical importance as one of the few battlefields from the Revolutionary War in this area.

REFERENCES CITED

Baker, Charles M.
1991 Archaeological investigation of the Mass Grave Locality, the Ramsour's Mill Battleground Site, Lincolnton, North Carolina. Report on file, Office of State Archaeology, Division of Archives and History, Raleigh.

Branson, Levi
1880, 1881, 1883, 1885 Branson's North Carolina Business Directory. Branson, Farrar, Raleigh, North Carolina.

Corbitt, David L.
1950 The Formation of the North Carolina Counties 1663-1943. North Carolina Division of Archives and History, Raleigh, North Carolina.

May, J. Alan
1989 An Archaeological Reconnaissance of Selected Portions of the South Fork Catawba River Watershed: Gaston and Lincoln Counties, North Carolina. Report on file, Office of State Archaeology, Raleigh, North Carolina.

McCabe, J.T., Thomas Hargrove and Jerry L. Cross.
1978 U.S. 321: A Cultural Resource Reconnaissance Survey of the Proposed U.S. 321 Relocation, Gaston, Lincoln, and Davidson Counties, North Carolina. Report on file, Office of State Archaeology, Raleigh, North Carolina.

Powell, William S.
1968 The North Carolina Gazetteer. University of North Carolina Press, Chapel Hill.

Sharpe, Bill.
1954 – 65 A New Geography of North Carolina, in 4 volumes. Raleigh, N.C., Sharpe Publishing Company.

1961 A New Geography of North Carolina (Vol. 3). Sharpe Publishing Company, Raleigh, North Carolina.

Sherrill, William L.
1937 Annals of Lincoln County, North Carolina. Observer Printing House, Charlotte, NC.

1976 An archaeological survey of southeastern coastal North Carolina. University of South Carolina, the Institute of Archeology and Anthropology Notebook 8:1-55.

Trimble, Stanley W.
1974 Man-induced soil erosion on the Southern Piedmont 1700-1970. Soil Conservation Society of America, Ankeny, Iowa.

County and Local Records

Lincolnton Times

Lincolnton, North Carolina. Lincoln County Register of Mensa Conveyance, Lincoln County Deeds, and Lincoln County Corporate Records.

APPENDIX A: SHOVEL TEST INVENTORY

Provenience	Stratum	Count	Material	Date	Collector	Comments
100N/90E	I	2	Glass	1/16/2008	TM	bottle/auburn brown/base fragment
100N/90E	I	2	Glass	1/16/2008	TM	bottle/light green/body fragment
100N/90E	I	2	Metal	1/16/2008	TM	small modern bullet casings/22 gage/(discarded)
100N/95E	I	3	Ceramic	1/16/2008	TM	stoneware/alkaline glazed/Catawba valley/body sherds
100N/95E	I	1	Glass	1/16/2008	TM	bottle/light amethyst tinted/rim fragment
100N/95E	I	2	Glass	1/16/2008	TM	window/flat/1-clear, 1 light green
100N/95E	I	1	Leather	1/16/2008	TM	unidentified fragment
102.5N/95E	II	1	Ceramic	1/18/2008	JP	refined earthenware/whiteware/body sherd
102.5N/95E	II	1	Ceramic	1/18/2008	JP	refined earthenware/marbled doorknob fragment
102.5N/97.5E	I	2	Ceramic	1/18/2008	TM	refined earthenware/whiteware/body frag
102.5N/97.5E	I	2	Ceramic	1/18/2008	TM	sonteware/alkaline glazed/Catawba valley/body fragment
102.5N/97.5E	I	2	Ceramic	1/18/2008	TM	porcelain/blue handpainted/chinese/body
102.5N/97.5E	I	2	Glass	1/18/2008	TM	bottle/clear/body frags
102.5N/97.5E	I	2	Glass	1/18/2008	TM	window/flat/architectural/clear & light green
102.5N/97.5E	I	2	Metal	1/18/2008	TM	corroded fragments
102.5N/97.5E	II	1	Ceramic	1/18/2008	TM	stoneware/Albany slip/locally made/body sherd
102.5N/97.5E	II	1	Ceramic	1/18/2008	TM	stoneware/alkaline glazed/Catawba valley/body sherd
102.5N/97.5E	II	3	Ceramic	1/18/2008	TM	refined earthenware/whiteware/body sherds
102.5N/97.5E	II	1	Glass	1/18/2008	TM	flat/window/clear
102.5N/97.5E	II	1	Glass	1/18/2008	TM	bottle/aqua-blue/base sherd
102.5N/97.5E	II	3	Metal	1/18/2008	TM	corroded unidentified fragmentz
102.5N/97.5E	II	2	Metal	1/18/2008	TM	wire nails/corroded
102.5N/97.5E	III	1	Ceramic	1/18/2008	TM	refined earthenware/whiteware/teacup base frag.
102.5N/97.5E	III	1	Ceramic	1/18/2008	TM	stoneware/alkaline glazed/Catawba valley
102.5N/97.5E	III	1	Glass	1/18/2008	TM	window/flat/light green
102.5N/97.5E	III	1	Glass	1/18/2008	TM	bottle/clear/body sherd
102.5N/97.5E	III	2	Glass	1/18/2008	TM	bottle/light green/body sherds

Provenience	Stratum	Count	Material	Date	Collector	Comments
102.5N/97.5E	III	2	Metal	1/18/2008	TM	wire nails
102.5N/97.5E	III	2	Metal	1/18/2008	TM	cut nails/heavily corroded
102.5N/97.5E	III	3	Metal	1/18/2008	TM	corroded unidentified fragments
102.5N/97.5E	IV	3	Ceramic	1/18/2008	TM	refined earthenware/whiteware/body sherds
102.5N/97.5E	IV	1	Ceramic	1/18/2008	TM	stoneware/alkaline glazed/Catawba valley/body sherd
102.5N/97.5E	IV	1	Ceramic	1/18/2008	TM	stoneware/Albany slip/locally made/body sherd
102.5N/97.5E	IV	1	Glass	1/18/2008	TM	window/flat/clear
102.5N/97.5E	IV	1	Glass	1/18/2008	TM	bottle/aqua-blue/base sherd
102.5N/97.5E	IV	2	Metal	1/18/2008	TM	wire nails/corroded
102.5N/97.5E	IV	3	Metal	1/18/2008	TM	corroded unidentified fragments
102.5N/97.5E	V	1	Ceramic	1/18/2008	TM	whiteware/polychrome decal ware/body sherd/(1890-1930)
102.5N/97.5E	V	8	Ceramic	1/18/2008	TM	stoneware/alkaline glazed/Catawba valley/body/3-regular, 5-with Albany slip
102.5N/97.5E	V	1	Organic	1/18/2008	TM	coal
105N/90E	II	1	Metal	1/16/2008	TM	unidentified fragment
105N/90E	General Surface	1	Ceramic	1/16/2008	TM	refined earthenware/whiteware/base sherd
105N/90E	General Surface	3	Glass	1/16/2008	TM	bottle/milk glass/froma mason jar
105N/95E	I	1	Ceramic	1/14/2008	TM	stoneware/alkaline glazed/Catawba valley/body sherd
105N/95E	I	3	Ceramic	1/14/2008	TM	stoneware/Bristol glazed/2-body, 1-handle sherd
105N/95E	I	1	Glass	1/14/2008	TM	bottle/cobalt blue/body sherd/milk of magnesia
105N/95E	I	1	Glass	1/14/2008	TM	bottle/light aqua-green/body sherd
105N/95E	I	1	Glass	1/14/2008	TM	bowl frag/clear/rim sherd
105N/95E	I	4	Glass	1/14/2008	TM	bottle/clear/body sherds
105N/95E	I	1	Metal	1/14/2008	TM	modern/soda can pull tab
105N/95E	I	1	Metal	1/14/2008	TM	unidentified metal plate
105N/95E	I	1	Metal	1/14/2008	TM	bracket with screws/corroded

Provenience	Stratum	Count	Material	Date	Collector	Comments
105N/95E	I	2	Metal	1/14/2008	TM	cut nails
105N/95E	I	2	Metal	1/14/2008	TM	wire nails
105N/95E	I	2	Metal	1/14/2008	TM	wiring/possible pot handle/broken
105N/95E	I	2	Composite	1/14/2008	TM	brick fragments
105N/95E	III	2	Metal	1/21/2008	TM	augered to approx. 130 cmbs/unidentified corroded fragments
110N/100E	I and II	6	Ceramic	1/14/2008	JP	stoneware/alkaline glazed/Catawba valley/1-rim, 5-body
110N/100E	I and II	3	Glass	1/14/2008	JP	bottle/clear/body sherds
110N/100E	I and II	2	Glass	1/14/2008	JP	window/flat/1-clear, 1-light green
110N/100E	I and II	1	Glass	1/14/2008	JP	bottle/light aqua-blue/body sherd
110N/100E	I and II	1	Glass	1/14/2008	JP	bottle/light aqua-green/body sherd
110N/100E	I and II	1	Metal	1/14/2008	JP	cut nail
110N/100E	I and II	2	Metal	1/14/2008	JP	wire nail fragments
110N/100E	I and II	2	Organic	1/14/2008	JP	coal fragments
110N/100E	I and II	1	Composite	1/14/2008	JP	brick fragment
110N/100E	I and II	1	Composite	1/14/2008	JP	mortar fragment
110N/110E	I	2	Ceramic	1/16/2008	JP	stoneware/alkaline glazed/Catawba valley/body sherds
110N/110E	I	1	Ceramic	1/16/2008	JP	coarse earthenware/flower pot frag/body sherd
110N/110E	I	1	Glass	1/16/2008	JP	bottle/light green/body sherd
110N/110E	I	1	Glass	1/16/2008	JP	bottle/clear with faint rose tint/base shard
110N/110E	I	7	Glass	1/16/2008	JP	bottle/clear/body fragments
110N/110E	I	1	Glass	1/16/2008	JP	bottle/lime green (soda)/body sherd
110N/110E	I	1	Glass	1/16/2008	JP	bottle/aqua-blue/body sherd
110N/110E	I	3	Metal	1/16/2008	JP	corroded unidentified nail frags
110N/110E	I	3	Metal	1/16/2008	JP	wire nail fragments
110N/110E	I	3	Metal	1/16/2008	JP	cut nail fragments
110N/110E	I	1	Organic	1/16/2008	JP	coal fragment
110N/110E	I	9	Organic	1/16/2008	JP	coke fragments

Provenience	Stratum	Count	Material	Date	Collector	Comments
110N/110E	I	2	Composite	1/16/2008	JP	caulk fragments
110N/120E	I and II	5	Ceramic	1/18/2008	JP	stoneware/alkaline glazed/Catawba valley/4-body, 1-base
110N/120E	I and II	1	Ceramic	1/18/2008	JP	porcelain/body sherd
110N/120E	I and II	6	Glass	1/18/2008	JP	bottle/light green/body frags
110N/120E	I and II	1	Glass	1/18/2008	JP	bottle/light green/body sherd
110N/120E	I and II	3	Glass	1/18/2008	JP	bottle/thin/clear/body sherds
110N/120E	I and II	1	Glass	1/18/2008	JP	container/molded/rim fragment
110N/120E	I and II	1	Glass	1/18/2008	JP	bottle/light amethyst tinted/rim fragment
110N/120E	I and II	1	Glass	1/18/2008	JP	bottle/light aqua-blue/body sherd
110N/120E	I and II	6	Glass	1/18/2008	JP	bottle/clear/1-base, 5-body
110N/120E	I and II	5	Metal	1/18/2008	JP	wire nail fragments/corroded
110N/120E	I and II	3	Metal	1/18/2008	JP	cut nails/corroded/1-spike, 2 regular
110N/120E	I and II	4	Metal	1/18/2008	JP	corroded unidentified fragments
110N/120E	I and II	1	Organic	1/18/2008	JP	charcoal
110N/120E	I and II	19	Organic	1/18/2008	JP	coke
110N/120E	I and II	1	Composite	1/18/2008	JP	mortar/cement fragment
110N/120E	I and II	1	Glass	1/18/2008	JP	bottle/clear/body sherd
110N/130E	II and III	2	Glass	1/21/2008	JP	bottle/amber/body sherds
110N/130E	II and III	1	Glass	1/21/2008	JP	bottle/light aqua-blue/body sherd
110N/130E	II and III	4	Glass	1/21/2008	JP	flat/window/1-clear, 1-light green
110N/130E	II and III	1	Glass	1/21/2008	JP	milk glass/from a mason jar lid/small fragment
110N/130E	II and III	1	Glass	1/21/2008	JP	bottle/clear with light pink tint/rim to a jar/frag
110N/130E	II and III	6	Glass	1/21/2008	JP	bottle/clear/body sherds
110N/130E	II and III	1	Glass	1/21/2008	JP	bottle/light aqua-green/body sherd
110N/130E	II and III	1	Metal	1/21/2008	JP	wire nail/corroded
110N/130E	II and III	1	Organic	1/21/2008	JP	coke fragment
110N/130E	II and III	1	Organic	1/21/2008	JP	coal fragment
110N/140E	II	1	Glass	1/21/2008	JP	flat/window/light green

Provenience	Stratum	Count	Material	Date	Collector	Comments
110N/140E	II	1	Organic	1/21/2008	JP	coal fragment
110N/150E	II	1	Glass	1/21/2008	TM	flat/window/light green
110N/150E	II	1	Glass	1/21/2008	TM	bottle/clear/base fragment
110N/150E	General Surface	1	Ceramic	1/21/2008	TM	refined earthenware/yellow glazed/rim shard/plain
110N/150E	General Surface	1	Ceramic	1/21/2008	TM	porcelain/rim shard
110N/160E	I	6	Glass	1/21/2008	JP	bottle/auburn brown/1-base, 5-body sherds
110N/160E	I	3	Metal	1/21/2008	JP	cut nail fragments
110N/90E	General Surface	1	Glass	1/16/2008	TM	bottle/clear/body fragment
110N/90E	II	1	Glass	1/16/2008	TM	modern/milk glass/body fragment
110N/95E	II	1	Ceramic	1/16/2008	JP	refined earthenware/polychrome decal ware/body sherd
110N/95E	II	1	Ceramic	1/16/2008	JP	procelain/body sherd
110N/95E	II	3	Ceramic	1/16/2008	JP	stoneware/alkaline glazed/body sherds
110N/95E	II	1	Glass	1/16/2008	JP	bottle/light aqua-blue/body sherd
110N/95E	II	3	Glass	1/16/2008	JP	bottle/clear/2-body, 1-rim sherds
110N/95E	II	1	Glass	1/16/2008	JP	flat/window/light green
110N/95E	II	3	Glass	1/16/2008	JP	bottle/light green/body sherds
110N/95E	II	1	Metal	1/16/2008	JP	chain link fragment
110N/95E	II	1	Metal	1/16/2008	JP	modern tack
110N/95E	II	1	Metal	1/16/2008	JP	modern staple
110N/95E	II	2	Metal	1/16/2008	JP	cut nails
110N/95E	II	1	Organic	1/16/2008	JP	charcoal fragment
110N/95E	II	1	Organic	1/16/2008	JP	coal fragment
110N/95E	II	1	Organic	1/16/2008	JP	coke fragment
120N/100E	II	2	Glass	1/16/2008	JP	bottle/light green/1-body, 1-base sherd
120N/110E	II	2	Ceramic	1/16/2008	TM	refined earthenware/ironstone/1-base, 1-rim
120N/110E	II	1	Ceramic	1/16/2008	TM	stoneware/alkaline glazed/Catawba valley/body sherd

Provenience	Stratum	Count	Material	Date	Collector	Comments
120N/110E	II	5	Glass	1/16/2008	TM	bottle/clear/body fragments
120N/110E	II	1	Glass	1/16/2008	TM	bottle/opal tinted/body sherd
120N/110E	II	4	Glass	1/16/2008	TM	flat/window/light green
120N/110E	II	1	Glass	1/16/2008	TM	clear/perfume bottle top
120N/110E	II	2	Metal	1/16/2008	TM	corroded/unidentified frags
120N/110E	II	1	Leather	1/16/2008	TM	shoe fragment
120N/110E	General Surface	1	Organic	1/16/2008	JP	coke frasgment
120N/110E	General Surface	1	Ceramic	1/16/2008	TM	stoneware/Catawba valley/body sherd
120N/120E	II	1	Ceramic	1/18/2008	JP	refined earthenware/whiteware/base sherd
120N/120E	II	1	Glass	1/18/2008	JP	bottle/clear/body sherd
120N/130E	I and II	1	Ceramic	1/21/2008	TM	refined earthenware/granite china/body-base frag
120N/130E	I and II	6	Ceramic	1/21/2008	TM	stoneware/blue(cobalt)painted & sponged/molded/20th century body sherds
120N/130E	I and II	2	Glass	1/21/2008	TM	bottle/light green/body sherds
120N/130E	I and II	1	Glass	1/21/2008	TM	bottle/light pink tinted/body sherd
120N/130E	I and II	3	Glass	1/21/2008	TM	bottle/clear/2-body, 1-rim sherds
120N/130E	General Surface	1	Ceramic	1/21/2008	JP	refined earthenware/granite china/body sherd
120N/130E	General Surface	2	Ceramic	1/21/2008	JP	stoneware/alkaline glazed/Catawba valley/body sherds
120N/130E	General Surface	8	Ceramic	1/21/2008	JP	refined earthenware/ironstone/6-body, 2-rimsherds
120N/130E	General Surface	10	Glass	1/21/2008	JP	flat/window/light green
120N/130E	General Surface	4	Glass	1/21/2008	JP	bottle/light green/3-body, 1-base sherd
120N/130E	General Surface	19	Glass	1/21/2008	JP	bottle/clear/1-rim, 1-base, 17-body sherds
120N/130E	General Surface	1	Glass	1/21/2008	JP	bottle/cobalt blue/body frag/milk of magnesia

Provenience	Stratum	Count	Material	Date	Collector	Comments
120N/130E	General Surface	1	Glass	1/21/2008	JP	bottle/light green/body sherd/soda bottle(RC)
120N/130E	General Surface	3	Glass	1/21/2008	JP	bottle/amber/body sherds
120N/130E	General Surface	2	Glass	1/21/2008	JP	bottle/light lavender/1-rim, 1-body sherd
120N/130E	General Surface	2	Glass	1/21/2008	JP	bottle/light aqua-blue/body sherds
120N/130E	General Surface	2	Composite	1/21/2008	JP	brick fragments
120N/140E	I	1	Ceramic	1/21/2008	JP	refined earthenware/20th century/plain/handle frag
120N/140E	General Surface	1	Ceramic	1/21/2008	JP	porcelain/gold hanpainted rim sherd
120N/140E	General Surface	2	Ceramic	1/21/2008	JP	terracotta & coarse earthenware/modern flower pots
120N/140E	General Surface	1	Ceramic	1/21/2008	JP	refined earthenware/whiteware/body sherd
120N/140E	General Surface	1	Ceramic	1/21/2008	JP	porcelain/underglazed blue handpainted/base sherd
120N/140E	General Surface	1	Glass	1/21/2008	JP	flat/window/light green
120N/140E	General Surface	1	Glass	1/21/2008	JP	bottle/clear/base fragment
120N/140E	General Surface	1	Glass	1/21/2008	JP	bottle/light green/rim sherd
120N/140E	General Surface	2	Composite	1/21/2008	JP	asbestos & cement (discarded)
120N/150E	II	1	Ceramic	1/21/2008	JP	refined earthenware/granite china/rim sherd
120N/150E	II	1	Glass	1/21/2008	JP	bottle/clear/body sherd
120N/150E	II	1	Lithic	1/21/2008	JP	quartz/interior flake
120N/90E	II	2	Ceramic	1/16/2008	JP	stoneware/alkaline glazed/Catawba valley/body sherds
120N/90E	II	2	Ceramic	1/16/2008	JP	stoneware/Albany slip glaze/body sherds
120N/90E	II	3	Ceramic	1/16/2008	JP	ironstone-granite china/base fragments

Provenience	Stratum	Count	Material	Date	Collector	Comments
120N/90E	II	2	Glass	1/16/2008	JP	milk glass/from a mason jar lid
120N/90E	II	1	Glass	1/16/2008	JP	window/flat/clear
120N/90E	II	2	Glass	1/16/2008	JP	bottle/clear/1-base, 1-rim
120N/90E	II	1	Glass	1/16/2008	JP	bottle/light green/body sherd
120N/90E	II	4	Metal	1/16/2008	JP	cut nail frags
120N/90E	II	7	Metal	1/16/2008	JP	wire fragments
120N/90E	II	1	Metal	1/16/2008	JP	lock plate/broken/corroded
120N/90E	II	7	Metal	1/16/2008	JP	sheeting/unidentified frags
120N/90E	II	1	Metal	1/16/2008	JP	wire nail
120N/90E	II	3	Metal	1/16/2008	JP	corroded unidentified frags
120N/90E	II	1	Organic	1/16/2008	JP	coal fragment
120N/90E	II	5	Organic	1/16/2008	JP	coke fragments
120N/90E	II	1	Organic	1/16/2008	JP	charcoal fragment
120N/90E	II	1	Composite	1/16/2008	JP	brick fragment
120N/90E	General Surface	2	Ceramic	1/16/2008	JP	coarse earthenware/modern/flower pot frags/body
120N/90E	General Surface	2	Ceramic	1/16/2008	JP	refined earthenware/ironstone/body frags
120N/90E	General Surface	2	Ceramic	1/16/2008	JP	refined earthenware/white granite china/1-rim, 1-body
120N/90E	General Surface	2	Ceramic	1/16/2008	JP	stoneware/Albany slip/body fragments
120N/90E	General Surface	2	Ceramic	1/16/2008	JP	stoneware/Albany-Bristol/ body fragments
120N/90E	General Surface	2	Ceramic	1/16/2008	JP	stoneware/alkaline glazed/Catawba valley/1-rim, 6-body
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/clear/jar/body fragments
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/light aqua-green/body fragments
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/light aqua-green/melted/rim fragments

Provenience	Stratum	Count	Material	Date	Collector	Comments
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/aqua-blue/body frags
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/auburn brown/rim frag
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/violet/body frag
120N/90E	General Surface	2	Glass	1/16/2008	JP	bottle/light violet tinted/1-base, 5-body
120N/90E	General Surface	2	Glass	1/16/2008	JP	window/flat/architectural
120N/90E	General Surface	2	Metal	1/16/2008	JP	unidentified
120N/90E	General Surface	2	Organic	1/16/2008	JP	coke fragments
120N/90E	General Surface	2	Organic	1/16/2008	JP	coal fragments
120N/90E	General Surface	2	Composite	1/16/2008	JP	modern underground piping frag
120N/90E	General Surface	2	Stone	1/16/2008	JP	architectural/slate roofing frag
130N/120E	II	1	Glass	1/18/2008	JP	bottle/light green/body sherd
130N/120E	II	1	Glass	1/21/2008	JP	light lime green/melted/base frag
130N/120E	II	2	Organic	1/21/2008	JP	coke fragments
130N/140E	I	1	Organic	1/21/2008	JP	coal fragments
130N/150E	III	2	Ceramic	1/21/2008	TM	refined earthenware/whiteware/rim sherds
130N/150E	III	2	Glass	1/21/2008	TM	bottle/lime green (soda)/body sherds
130N/150E	III	1	Metal	1/21/2008	TM	cut nail/corroded head
140N/120E	I and II	1	Ceramic	1/21/2008	TM	refined earthenware/whiteware/body sherd
140N/120E	I and II	2	Glass	1/21/2008	TM	bottle/clear/body sherds
140N/120E	I and II	2	Glass	1/21/2008	TM	window/flat/light green
140N/120E	I and II	1	Metal	1/21/2008	TM	cut nail/corroded
140N/120E	General Surface	1	Ceramic	1/21/2008	TM	stoneware/Bristol glazed/body sherd

Provenience	Stratum	Count	Material	Date	Collector	Comments
140N/120E	General Surface	2	Glass	1/21/2008	TM	window/flat/light green
140N/130E	General Surface	1	Ceramic	1/21/2008	TM	refined earthenware/ironstone/rim to a crock
140N/130E	General Surface	2	Ceramic	1/21/2008	TM	refined earthenware/granite china/heated/1-rim, 1-body
140N/130E	General Surface	1	Glass	1/21/2008	TM	bottle/light aqua-blue/body sherd
140N/130E	General Surface	1	Glass	1/21/2008	TM	milk glass/heavily weathered
140N/130E	General Surface	1	Glass	1/21/2008	TM	flat/window/light green
140N/130E	General Surface	1	Organic	1/21/2008	TM	coal fragment
140N/140E	I	1	Ceramic	1/21/2008	TM	refined earthenware/whiteware/rim sherd
140N/140E	I	1	Glass	1/21/2008	TM	bottle/clear/body sherd
140N/150E	II	1	Lithic	1/21/2008	TM	quartz/interior flake
150N/130E	General Surface	1	Ceramic	1/21/2008	TM	granite china-porcelain phase/rim sherd
150N/130E	General Surface	1	Ceramic	1/21/2008	TM	refined earthenware/whiteware/body sherd
150N/130E	General Surface	1	Glass	1/21/2008	TM	flat/window/light green
150N/130E	General Surface	3	Glass	1/21/2008	TM	bottle/clear/2-thick body, 1-thin body
150N/130E	General Surface	1	Glass	1/21/2008	TM	bottle/light aqua-green/body sherd
Surface near tree on hill	General Surface	1	Ceramic	1/14/2008	JP	stoneware/Albany slip/body sherd
Surface near tree on hill	General Surface	1	Ceramic	1/14/2008	JP	refined earthenware/yellow glazed/modern 20th cent. molded/possible fiesta ware?/rim sherd
Surface near tree on hill	General Surface	2	Ceramic	1/14/2008	JP	stoneware/alkaline glazed/Catawba valley/body sherds

APPENDIX B: TEST SQUARE INVENTORY

Provenience	Level	Count	Material	Date	Collector	Comments
103N/97E	1	1	Ceramic	1/23/2008	JP/TM	stoneware/alkaline glazed/catawba valley
0-10 cmbs	1	6	Ceramic	1/23/2008	JP/TM	refined earthenware/whiteware
SE corner	1	3	Ceramic	1/23/2008	JP/TM	porcelain/cobalt tint
	1	1	Ceramic	1/23/2008	JP/TM	refined earthenware/1-rim
	1	1	Ceramic	1/23/2008	JP/TM	refined earthenware/whiteware/3-rim, 4-body sherds
	1	3	Glass	1/23/2008	JP/TM	milk glass
	1	2	Glass	1/23/2008	JP/TM	bottle/light aqua-green
	1	1	Glass	1/23/2008	JP/TM	bottle/light aqua
	1	1	Glass	1/23/2008	JP/TM	bottle/clear/heated/possible rim
	1	3	Glass	1/23/2008	JP/TM	bottle/peach/body frags
	1	3	Glass	1/23/2008	JP/TM	flat/window/light aqua-green
	1	1	Glass	1/23/2008	JP/TM	clear/solarized/rim frag
	1	4	Glass	1/23/2008	JP/TM	bottle/clear/1-neck & rim, 3-body
	1	3	Metal	1/23/2008	JP/TM	cut nails
	1	1	Metal	1/23/2008	JP/TM	unidentified
	1	1	Metal	1/23/2008	JP/TM	screw
	1	1	Metal	1/23/2008	JP/TM	nickel/1994
	1	1	Composite	1/23/2008	JP/TM	asphalt shingle
	1	3	Composite	1/23/2008	JP/TM	cement
	1	1	Modern	1/23/2008	JP/TM	linen/fake plant leaf
	1	6	Modern	1/23/2008	JP/TM	assorted plastic pieces
10-30 cmbs	2	1	Ceramic	1/25/2008	JP/TM	porcelain/bone china/body sherd
	2	1	Ceramic	1/25/2008	JP/TM	refined earthenware/yellowware/body sherd
	2	6	Ceramic	1/25/2008	JP/TM	refined earthenware/whiteware/5-body, 1-rim sherd
	2	1	Ceramic	1/25/2008	JP/TM	refined earthenware/granite china/rim sherd
	2	1	Ceramic	1/25/2008	JP/TM	refined earthenware/whiteware/molded/rim sherd
	2	1	Ceramic	1/25/2008	JP/TM	stoneware/alkaline glazed/body sherd
	2	1	Ceramic	1/25/2008	JP/TM	stoneware/alkaline glazed/locally made/body sherd
	2	1	Ceramic	1/25/2008	JP/TM	stoneware/alkaline glazed/body sherd
	2	7	Ceramic	1/25/2008	JP/TM	stoneware/alkaline glazed(1 sherd not glazed on inside)
	2	3	Ceramic	1/25/2008	JP/TM	porcelain/body sherds
	2	1	Ceramic	1/25/2008	JP/TM	refined earthenware/ironstone/body sherd

Provenience	Level	Count	Material	Date	Collector	Comments
	2	1	Glass	1/25/2008	JP/TM	clear/jar/whole
	2	3	Glass	1/25/2008	JP/TM	pale amethyst/curved glass/possibly solarized
	2	1	Glass	1/25/2008	JP/TM	bottle/beverage/peach tinted
	2	2	Glass	1/25/2008	JP/TM	bottle/amber/1-base, 1-body
	2	9	Glass	1/25/2008	JP/TM	flat/window/light aqua-green
	2	1	Glass	1/25/2008	JP/TM	bottle/green
	2	4	Glass	1/25/2008	JP/TM	bottle/beverage/light aqua-green
	2	2	Glass	1/25/2008	JP/TM	milk glass/lid liner/1-container frag
	2	4	Glass	1/25/2008	JP/TM	flat/window/light aqua-blue
	2	12	Glass	1/25/2008	JP/TM	bottle/clear
	2	1	Glass	1/25/2008	JP/TM	bottle/olive
	2	2	Glass	1/25/2008	JP/TM	bottle/light aqua-green
	2	7	Glass	1/25/2008	JP/TM	flat/window/clear
	2	2	Metal	1/25/2008	JP/TM	harness
	2	3	Metal	1/25/2008	JP/TM	wire nails
	2	9	Metal	1/25/2008	JP/TM	nails/unidentified
	2	12	Metal	1/25/2008	JP/TM	cut nails
	2	1	Metal	1/25/2008	JP/TM	unidentified
	2	1	Metal	1/25/2008	JP/TM	agricultural/unidentified/possible attachment device
	2	2	Metal	1/25/2008	JP/TM	agricultural/1-bracket, 1-handle or anchor
	2	1	Metal	1/25/2008	JP/TM	agricultural/haroow tine
	2	1	Metal	1/25/2008	JP/TM	bar stock
	2	15	Plastic	1/25/2008	JP/TM	(discarded)
	2	1	Organic	1/25/2008	JP/TM	charcoal
	2	4	Organic	1/25/2008	JP/TM	coal frags
	2	1	Organic	1/25/2008	JP/TM	coke
	2	1	Modern	1/25/2008	JP/TM	plastic/button
	2		Modern	1/25/2008	JP/TM	decorative fake plant/rose?
	2	1	Composite	1/25/2008	JP/TM	concrete
	2	4	Faunal	1/25/2008	JP/TM	bone frags
20 cm	2	7	Ceramic	1/28/2008	JP/TM	refined earthenware/whiteware/3-rim, 4-body sherds
	2	2	Ceramic	1/28/2008	JP/TM	refined earthenware/ironstone/1-rim, 1-body sherd

Provenience	Level	Count	Material	Date	Collector	Comments
	2	2	Ceramic	1/28/2008	JP/TM	refined earhtenware/yelloware/body sherds
	2	10	Ceramic	1/28/2008	JP/TM	stoneware/alkaline glazed/catawba valley/1-base 9-body sherds
	2	1	Ceramic	1/28/2008	JP/TM	foor tile/grey-black/broken/20th cent
	2	3	Ceramic	1/28/2008	JP/TM	porcelain/1-body, 2-base sherds
	2	1	Glass	1/28/2008	JP/TM	coarse earthenware/unglazed/wheel turned/body sherd
	2	1	Glass	1/28/2008	JP/TM	refined earthenware/whiteware/handpainted(small corner) /body sherd
	2	3	Glass	1/28/2008	JP/TM	bottle/dark aqua-green/1-base, 1-body, 1-neck & rim
	2	11	Glass	1/28/2008	JP/TM	flat/window/light aqua-green
	2	7	Glass	1/28/2008	JP/TM	bottle/light aqua-green/6-body, 1-rim sherds
	2	3	Glass	1/28/2008	JP/TM	bottle/clear/frosted/body sherds
	2	5	Glass	1/28/2008	JP/TM	bottle/aqua blue/3-body, 1-rim, 1-heated
	2	3	Glass	1/28/2008	JP/TM	bottle/light lime-green/1-body,1-rim, 1-heated
	2	3	Glass	1/28/2008	JP/TM	flat/window/clear
	2	4	Glass	1/28/2008	JP/TM	bottle/amber/1-base, 3-body
	2	2	Glass	1/28/2008	JP/TM	1-beverage/body/clear/molded 1-container/rim/scallop molded/clear
	2	1	Glass	1/28/2008	JP/TM	flat/window/light aqua-green/frosted
	2	3	Glass	1/28/2008	JP/TM	bottle/light amethyst/body sherds
	2	45	Glass	1/28/2008	JP/TM	bottle/clear/36-body, 5-rim, 4-base sherds
	2	1	Glass	1/28/2008	JP/TM	bottle/beverage/peach tinted/body sherd
	2	1	Metal	1/28/2008	JP/TM	aluminum cap with black paint/modern
	2	7	Metal	1/28/2008	JP/TM	nails/unidentified
	2	1	Metal	1/28/2008	JP/TM	bullet shell/brass
	2	1	Metal	1/28/2008	JP/TM	brass buckle
	2	1	Metal	1/28/2008	JP/TM	brass button/"FINCK DETROIT"
	2	2	Metal	1/28/2008	JP/TM	barbed wire
	2	6	Metal	1/28/2008	JP/TM	corroded fragments/sheeting
	2	17	Metal	1/28/2008	JP/TM	cut nails
	2	1	Metal	1/28/2008	JP/TM	door hinge/corroded
	2	3	Metal	1/28/2008	JP/TM	wiring/corroded

Provenience	Level	Count	Material	Date	Collector	Comments
	2	1	Metal	1/28/2008	JP/TM	tin rim/corroded
	2	18	Metal	1/28/2008	JP/TM	wire nails
	2	1	Metal	1/28/2008	JP/TM	wire/unidentified
	2	1	Metal	1/28/2008	JP/TM	wrought nail
	2	15	Organic	1/28/2008	JP/TM	coal frags
	2	1	Organic	1/28/2008	JP/TM	coke
	2	19	Organic	1/28/2008	JP/TM	charcoal
	2	8	Organic	1/28/2008	JP/TM	coke
	2	2	Composite	1/28/2008	JP/TM	brick frags/1-modern, 1-handmade
	2	1	Composite	1/28/2008	JP/TM	caulk/burned
	2	1	Stone	1/28/2008	JP/TM	slate frag/roof material/architectural
	2	1	Stone	1/28/2008	JP/TM	possible slate pencil
	2	1	Faunal	1/28/2008	JP/TM	bone frag
20 cm	2	1	Ceramic	1/28/2008	JP/TM	stoneware/brown salt glazed/late 19th cent/locally made
SE corner	2	5	Ceramic	1/28/2008	JP/TM	stoneware/alkaline glazed/catawba valley/body sherds
	2	1	Ceramic	1/28/2008	JP/TM	earthenware/whiteware/possible blue transfer print on rim (floral)/burned/rim sherd
	2	1	Ceramic	1/28/2008	JP/TM	button (clothing)/brown
	2	1	Ceramic	1/28/2008	JP/TM	earthenware/ironstone/rim sherd
	2	1	Ceramic	1/28/2008	JP/TM	earthenware/whiteware/body sherd
	2	1	Ceramic	1/28/2008	JP/TM	earthenware/whiteware/yellow glazed/body sherd
	2	4	Glass	1/28/2008	JP/TM	flat/window/light green
	2	2	Glass	1/28/2008	JP/TM	bottle/light aqua-green
	2	18	Glass	1/28/2008	JP/TM	vessel (some from a mason jar)/clear/1-rim, 17- body frags
	2	1	Glass	1/28/2008	JP/TM	bottle/amber/body frag
	2	3	Glass	1/28/2008	JP/TM	flat/window/clear
	2	10	Glass	1/28/2008	JP/TM	flat/window/light aqua-green
	2	2	Glass	1/28/2008	JP/TM	bottle/aqua blue/1-neck, 1-body
	2	1	Metal	1/28/2008	JP/TM	bar stock
	2	4	Metal	1/28/2008	JP/TM	tin can rim

Provenience	Level	Count	Material	Date	Collector	Comments
	2	2	Metal	1/28/2008	JP/TM	cut nails
	2	7	Metal	1/28/2008	JP/TM	wire nails
	2	19	Metal	1/28/2008	JP/TM	unidentified
	2	26	Metal	1/28/2008	JP/TM	nail & nail frags/unidentified
	2	6	Organic	1/28/2008	JP/TM	coal
	2	5	Organic	1/28/2008	JP/TM	coke
	2	29	Organic	1/28/2008	JP/TM	charcoal
	2	1	Composite	1/28/2008	JP/TM	cinder block brick frag
	2	1	Composite	1/28/2008	JP/TM	brick frag/handmade
	2	1	Modern	1/28/2008	JP/TM	green
	2	2	Modern	1/28/2008	JP/TM	leather & metal/shoe frags/
	2	1	Modern	1/28/2008	JP/TM	leather shoe sole
clean up of	2	1	Ceramic	1/30/2008	JP/TM	porcelain/body sherd
level 2	2	1	Ceramic	1/30/2008	JP/TM	stoneware/salt-glazed exterior/possible albany slip interior/body sherd
	2	1	Ceramic	1/30/2008	JP/TM	refined earthenware/ironstone/rim sherd
	2	6	Glass	1/30/2008	JP/TM	bottle/clear/body sherds
	2	1	Glass	1/30/2008	JP/TM	bottle/light aqua-blue/body sherd
	2	3	Glass	1/30/2008	JP/TM	flat/window/light green
	2	1	Glass	1/30/2008	JP/TM	bottle/lime green/body sherd
	2	1	Glass	1/30/2008	JP/TM	bottle/clear/frosted/body sherd
	2	1	Glass	1/30/2008	JP/TM	flat/window/clear
	2	1	Metal	1/30/2008	JP/TM	wire nail
	2	3	Metal	1/30/2008	JP/TM	cut nails
	2	1	Organic	1/30/2008	JP/TM	charcoal
20 cm Bag 1	3	1	Ceramic	1/30/2008	JP/TM	refined earthenware/ironstone/body sherd
	3	3		1/30/2008	JP/TM	refined earthenware/whiteware/1-rim, 2-body
	3	1		1/30/2008	JP/TM	stoneware/brown salt-glazed/body sherd
	3	7	Glass	1/30/2008	JP/TM	bottle/clear/body sherds
	3	1		1/30/2008	JP/TM	bottle/beverage/clear/body sherd
	3	2		1/30/2008	JP/TM	bottle/light aqua-blue/body sherds
	3	2		1/30/2008	JP/TM	flat/window/light green

Provenience	Level	Count	Material	Date	Collector	Comments
	3	1	Metal	1/30/2008	JP/TM	modern bottle cap
	3	34		1/30/2008	JP/TM	metal frags/sheeting/tin roof/corroded/(discarded)
	3	1		1/30/2008	JP/TM	corroded/unidentified
	3	6		1/30/2008	JP/TM	nail frags/corroded/unidentified
	3	5		1/30/2008	JP/TM	wire nails/corroded
	3	1		1/30/2008	JP/TM	iron horseshoe
	3	20	Organic	1/30/2008	JP/TM	charcoal frags
	3	1		1/30/2008	JP/TM	coal
	3	1	Composite	1/30/2008	JP/TM	tar frags
20 cm Bag 2	3	1	Ceramic	1/30/2008	JP/TM	stoneware/albany-bristol/base & body sherd/butter churn
	3	1	Ceramic	1/30/2008	JP/TM	stoneware/bristol/bristolglazed/body sherds
	3	1	Ceramic	1/30/2008	JP/TM	stoneware/alkaline glazed/catawba valley/body sherd
	3	1	Ceramic	1/30/2008	JP/TM	whiteware/1-base, 2-body
	3	1	Ceramic	1/30/2008	JP/TM	granite china/body sherd
	3	1	Ceramic	1/30/2008	JP/TM	rockingham glazed/body sherd
	3	1	Ceramic	1/30/2008	JP/TM	whiteware/hollowware/1-rim, 1-body
	3	3	Ceramic	1/30/2008	JP/TM	porcelain/1-base, 1-body, 1-rim
	3	1	Glass	1/30/2008	JP/TM	milk glass/lid liner
	3	2	Glass	1/30/2008	JP/TM	bottle/very light amethyst
	3	1	Glass	1/30/2008	JP/TM	bottle/very light green
	3	3	Glass	1/30/2008	JP/TM	bottle/light aqua-green
	3	20	Glass	1/30/2008	JP/TM	flat/window/10-light aqua-green, 10-very light aqua-green
	3	18	Glass	1/30/2008	JP/TM	bottle/clear
	3	2	Glass	1/30/2008	JP/TM	amber/jar/1-body, 1-rim
	3	1	Glass	1/30/2008	JP/TM	bottle/light aqua-blue
	3	3	Glass	1/30/2008	JP/TM	flat/window/clear
	3	1	Metal	1/30/2008	JP/TM	mule shoe/corroded
	3	1	Metal	1/30/2008	JP/TM	barbed wire
	3	20	Metal	1/30/2008	JP/TM	nails/unidentified
	3	36	Metal	1/30/2008	JP/TM	curved wire/possibly chain link or spring
	3	11	Metal	1/30/2008	JP/TM	unidentified
	3	1	Metal	1/30/2008	JP/TM	shotgun shell base/modern

Provenience	Level	Count	Material	Date	Collector	Comments
	3	1	Metal	1/30/2008	JP/TM	gun shell casing/.22 caliber/modern
	3	1	Metal	1/30/2008	JP/TM	unidentified/handle?
	3	15	Metal	1/30/2008	JP/TM	wire nails
	3	9	Metal	1/30/2008	JP/TM	cut nails
	3	1	Metal	1/30/2008	JP/TM	possible button/anchor decoration
	3	2	Organic	1/30/2008	JP/TM	coke
	3	6	Organic	1/30/2008	JP/TM	charcoal
	3	3	Organic	1/30/2008	JP/TM	coal
	3	2	Composite	1/30/2008	JP/TM	cinder block frags
	3	1	Composite	1/30/2008	JP/TM	brick frag
	3	1	Modern	1/30/2008	JP/TM	plastic/clear
	3	1	Lithic	1/30/2008	JP/TM	metarhyolite/ppk frag
North side	3	1	Ceramic	2/1/2008	JP/TM/AM	porcelain/soup tourine lid frag/molded design with thistles /cat tail plants
	3	2	Ceramic	2/1/2008	JP/TM/AM	refined earthenware/granite china/body frags
	3	1	Ceramic	2/1/2008	JP/TM/AM	stoneware/albany slip/body sherd
	3	1	Ceramic	2/1/2008	JP/TM/AM	refined earthenware/ironstone/base frag/hollowware
	3	4	Glass	2/1/2008	JP/TM/AM	flat/window/2-light green,2-light aqua blue-green
	3	3	Glass	2/1/2008	JP/TM/AM	bottle/clear/body sherds
	3	1	Metal	2/1/2008	JP/TM/AM	nail frag/corroded/unidentified
	3	1	Metal	2/1/2008	JP/TM/AM	unidentified corroded frag
	3	4	Metal	2/1/2008	JP/TM/AM	1-wire nail spike, 3-wire nails
	3	2	Metal	2/1/2008	JP/TM/AM	cut nails
	3	1	Metal	2/1/2008	JP/TM/AM	brass button/"FINCK DETROIT"
	3	1	Metal	2/1/2008	JP/TM/AM	bolt with nut/corroded/possible carriage bolt
	3	5	Composite	2/1/2008	JP/TM/AM	tar frags/roofing material
North side	3	1	Ceramic	2/3/2008	JP/TM/AM	floor tile/grey-black/broken/20th cent
	3	1	Ceramic	2/3/2008	JP/TM/AM	refined earthenware/granite china/body sherd
	3	4	Ceramic	2/3/2008	JP/TM/AM	stoneware/alkaline glazed/catawba valley
	3	2	Ceramic	2/3/2008	JP/TM/AM	earthenware/whiteware/1-rim, 1-body
	3	1	Ceramic	2/3/2008	JP/TM/AM	earthenware/granite china/molded & scalloped rim/lid frag
	3	5	Glass	2/3/2008	JP/TM/AM	flat/window/clear

Provenience	Level	Count	Material	Date	Collector	Comments
	3	1	Glass	2/3/2008	JP/TM/AM	bottle/beverage/light pink
	3	5	Glass	2/3/2008	JP/TM/AM	flat/window/light aqua-green
	3	1	Glass	2/3/2008	JP/TM/AM	flat/window/aqua blue
	3	10	Glass	2/3/2008	JP/TM/AM	bottle/beverage/clear
	3	2	Glass	2/3/2008	JP/TM/AM	bottle/light aqua-green
	3	7	Metal	2/3/2008	JP/TM/AM	nails/unidentified
	3	6	Metal	2/3/2008	JP/TM/AM	wire nails
	3	2	Metal	2/3/2008	JP/TM/AM	cut nails
	3	1	Metal	2/3/2008	JP/TM/AM	nut, bolt, & washer/corroded
	3	1	Metal	2/3/2008	JP/TM/AM	barbed wire frag/corroded
	3	1	Metal	2/3/2008	JP/TM/AM	clamp
	3	1	Metal	2/3/2008	JP/TM/AM	agricultural/bar stock
	3	4	Metal	2/3/2008	JP/TM/AM	roof frags?
	3	1	Organic	2/3/2008	JP/TM/AM	coke
	3	1	Organic	2/3/2008	JP/TM/AM	coal
	3	16	Organic	2/3/2008	JP/TM/AM	charcoal
	3	3	Stone	2/3/2008	JP/TM/AM	slate frag/roof material/architectural
	3	1	Composite	2/3/2008	JP/TM/AM	cinder block brick frag
	4	1	Ceramic	2/3/2008	KF/CE	porcelain/white/rim sherd
	4	1	Ceramic	2/3/2008	KF/CE	stoneware/alkaline glazed/catawba valley/body sherd
	4	1	Ceramic	2/3/2008	KF/CE	refined earthenware/whiteware/20th cent/body sherd
	4	2	Ceramic	2/3/2008	KF/CE	refined earthenware/whiteware/ironstone/body sherds
	4	1	Ceramic	2/3/2008	KF/CE	stoneware/alkaline glazed/catawba valley/body sherd
	4	3	Glass	2/3/2008	KF/CE	flat/window/light green
	4	2	Glass	2/3/2008	KF/CE	bottle/light green/body sherds
	4	3	Glass	2/3/2008	KF/CE	bottle/clear/body sherds
	4	1	Metal	2/3/2008	KF/CE	corroded wiring
	4	9	Metal	2/3/2008	KF/CE	nail frags/corroded/unidentified
	4	8	Metal	2/3/2008	KF/CE	1-cut spike, 7-cut nail frags
	4	10	Metal	2/3/2008	KF/CE	wire nail frags
	4	4	Metal	2/3/2008	KF/CE	unidentified corroded frags
	4	1	Organic	2/3/2008	KF/CE	charcoal

Provenience	Level	Count	Material	Date	Collector	Comments
	4	1	Composite	2/3/2008	KF/CE	tar frag/roofing material
	4	1	Stone	2/3/2008	KF/CE	slate frag/roof material/architectural
	4	2	Ceramic	2/3/2008	AM	refined earthenware/whiteware/1-rim, 20th cent/1-body, 19th cent
	4	2	Glass	2/3/2008	AM	flat/window/light green
	4	2	Glass	2/3/2008	AM	bottle/milk color/1-body, 1-rim
	4	3	Metal	2/3/2008	AM	wire nails
	4	3		2/3/2008	AM	cut nails/corroded
	4	4		2/3/2008	AM	nail frags/corroded/unidentified
	4	1	Organic	2/3/2008	AM	coal
	4	24	Organic	2/3/2008	AM	charcoal frags
	4	3	Ceramic	2/3/2008	JP	stoneware/alkaline glazed/catawba valley/body sherds /dark green
	4	1	Ceramic	2/3/2008	JP	refined earthenware/whiteware/20th cent/body sherd /molded scalloped plate rim
	4	2	Ceramic	2/3/2008	JP	stoneware/alkaline glazed/catawba valley/body sherds /light green
	4	1	Glass	2/3/2008	JP	bottle/light aqua-green/body sherd
	4	3	Glass	2/3/2008	JP	flat/window/2-light green,1-light aqua-green
	4	1	Glass	2/3/2008	JP	bottle/light aqua-blue/body sherd
	4	1	Glass	2/3/2008	JP	white milk/body sherd/mason lid jar frag
	4	1	Metal	2/3/2008	JP	horshoe frag/corroded
	4	2	Metal	2/3/2008	JP	wire nails
	4	2	Metal	2/3/2008	JP	nail frags/corroded/unidentified
	4	4	Metal	2/3/2008	JP	cut nail frags/corroded
	4	1	Metal	2/3/2008	JP	barbed wire
	4	6	Metal	2/3/2008	JP	tin fragments/canister or cooking pot
	4	1	Metal	2/3/2008	JP	corroded wiring
	4	1	Metal	2/3/2008	JP	corroded screw or bolt
	4	1	Organic	2/3/2008	JP	coal
	4	8	Organic	2/3/2008	JP	charcoal
	4	1	Stone	2/3/2008	JP	slate frag/roof material/architectural

Provenience	Level	Count	Material	Date	Collector	Comments
	5	1	Glass	2/3/2008	JP/TM	container/4 oz/1966/medicine
	5	1	Glass	2/3/2008	JP/TM	container/"Dukes"
	5	1	Glass	2/3/2008	JP/TM	food container/1-metal lid
	5	1	Metal	2/3/2008	JP/TM	bar stock?
	5	1	Ceramic	2/3/2008	JP/TM	stoneware/alkaline glazed/catawba valley/body sherd
	5	2	Ceramic	2/3/2008	JP/TM	refined earthenware/granite china/20th cent/body sherds
	5	13	Glass	2/3/2008	JP/TM	bottle or jar/ clear/3-base, 10-body sherds
	5	1	Glass	2/3/2008	JP/TM	flat/window/light green
	5	5	Glass	2/3/2008	JP/TM	flat/mirror frags
	5	2	Metal	2/3/2008	JP/TM	cut nails/corroded
	5	1	Metal	2/3/2008	JP/TM	corroded staple
	5		Metal	2/3/2008	JP/TM	tin can frags/corroded
	5	2	Metal	2/3/2008	JP/TM	wire nail frags/corroded
	5	4	Metal	2/3/2008	JP/TM	unidentified frags
	5	2	Metal	2/3/2008	JP/TM	nail frags/corroded/unidentified
	5	1	Organic	2/3/2008	JP/TM	charcoal
	5		Textile	2/3/2008	JP/TM	cordage
	5	2	Ceramic	2/3-4/08	KF/CE/JP/TM	porcelain/body frags
	5	3	Ceramic	2/3-4/08	KF/CE/JP/TM	refined earthenware/granite china/20th cent/2-rim,
					KF/CE/JP/TM	1-body sherd
	5	1	Ceramic	2/3-4/08	KF/CE/JP/TM	coarse earthenware/terracotta/flower pot rim
	5	2	Ceramic	2/3-4/08	KF/CE/JP/TM	stoneware/alkaline glazed/catawba valley/body sherds
	5	1	Ceramic	2/3-4/08	KF/CE/JP/TM	stoneware/albany slip/body sherd
	5	1	Ceramic	2/3-4/08	KF/CE/JP/TM	refined earthenware/yellow glazed/whiteware/rim/1930s
	5	2	Glass	2/3-4/08	KF/CE/JP/TM	bottle/light green/body sherds
	5	1	Glass	2/3-4/08	KF/CE/JP/TM	white milk/mason jar frag/rim
	5	1	Glass	2/3-4/08	KF/CE/JP/TM	flat/window/light green
	5	1	Glass	2/3-4/08	KF/CE/JP/TM	bottle/light aqua blue-green/body sherd
	5	1	Glass	2/3-4/08	KF/CE/JP/TM	bottle/light blue/body sherd
	5	4	Glass	2/3-4/08	KF/CE/JP/TM	flat/window/3-clear, 1-light green
	5	11	Glass	2/3-4/08	KF/CE/JP/TM	bottle/clear/body sherds
	5	1	Glass	2/3-4/08	KF/CE/JP/TM	bottle/cobalt blue/body sherd

Provenience	Level	Count	Material	Date	Collector	Comments
	5	1	Metal	2/3-4/08	KF/CE/JP/TM	tin can frag/corroded
	5	2	Metal	2/3-4/08	KF/CE/JP/TM	wire nail frags/corroded
	5	5	Metal	2/3-4/08	KF/CE/JP/TM	nail frags/corroded/unidentified
	5	1	Metal	2/3-4/08	KF/CE/JP/TM	spring/corroded
	5	1	Metal	2/3-4/08	KF/CE/JP/TM	cut nail/corroded
	5	1	Metal	2/3-4/08	KF/CE/JP/TM	bullet casing
	5	1	Stone	2/3-4/08	KF/CE/JP/TM	slate frag/roof material/architectural
	5	1	Textile	2/3-4/08	KF/CE/JP/TM	clothing article with zipper attached/modern
	5	1	Clay	2/3-4/08	KF/CE/JP/TM	Kaolin
Not Screened	6	1	Ceramic	2/4/2008	JP/TM	refined earthenware/ironstone/1-base sherd
	6	1	Ceramic	2/4/2008	JP/TM	refined earthenware/whiteware/1-rim sherd
	6	1	Ceramic	2/4/2008	JP/TM	refined earthenware/whiteware/decalware/base sherd
	6	1	Ceramic	2/4/2008	JP/TM	refined earthenware/ironstone/1-base frag
	6	1	Glass	2/4/2008	JP/TM	clear/jar/whole
	6	1	Glass	2/4/2008	JP/TM	aqua-blue/insulator
	6	3	Glass	2/4/2008	JP/TM	bottle/clear/1-base, 2-body frags
	6	2	Glass	2/4/2008	JP/TM	bottle/amber/1-neck & metal, 1-base frag
	6	1	Metal	2/4/2008	JP/TM	unidentified
	6	1	Metal	2/4/2008	JP/TM	metal button
	6	1	Metal	2/4/2008	JP/TM	hoe
	6	1	?	2/4/2008	JP/TM	peg???
Not Screened	7	1	Ceramic	2/4/2008	JP/TM	stoneware/alkaline glazed/catawba valley/body sherd
	7	1	Ceramic	2/4/2008	JP/TM	earthenware/whiteware/yellow glazed/flatware rim frag 1930-40
	7	1	Ceramic	2/4/2008	JP/TM	earthenware/whiteware/yellow glazed/body sherd/1930-40
	7	1	Ceramic	2/4/2008	JP/TM	earthenware/whiteware/flatware/20th cent/rim & base plate frag
	7	1	Ceramic	2/4/2008	JP/TM	earthenware/whiteware(fiestaware)/rim sherd/1930-40
	7	1	Glass	2/4/2008	JP/TM	bottle(whole)/clear/whitehouse vinegar
	7	1	Glass	2/4/2008	JP/TM	bottle(whole)/clear/ketchup
	7	1	Glass	2/4/2008	JP/TM	vial(whole)/clear/pillbottle
	7	1	Glass	2/4/2008	JP/TM	bottle with meta(whole)l cap/clear/Nowlands, Lanford

Provenience	Level	Count	Material	Date	Collector	Comments
						Brand Products/1.5 oz
	7	1	Glass	2/4/2008	JP/TM	bottle(whole)/clear/Pepsi cola
	7	1	Metal	2/4/2008	JP/TM	machine made/spike or wire nail/corroded
	7	1	Metal	2/4/2008	JP/TM	nut and bolt/corroded