

**Archaeological Excavations  
at the Monroe Site  
9Pm1428**

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## **Abstract**

The Monroe site, 9Pm1428, was discovered in northwestern Putnam County, Georgia during the summer of 2004. Testing during that summer, major excavations during 2005, and limited excavations in 2006 all revealed many details of a Lamar period farmstead dating sometime between A.D. 1500 and 1550. A large circular house was located with two additional smaller structures. One of these is likely a cooking shed, while the other may be a storage building. This farm was part of a series of such farms located in this part of the larger Oconee River valley.

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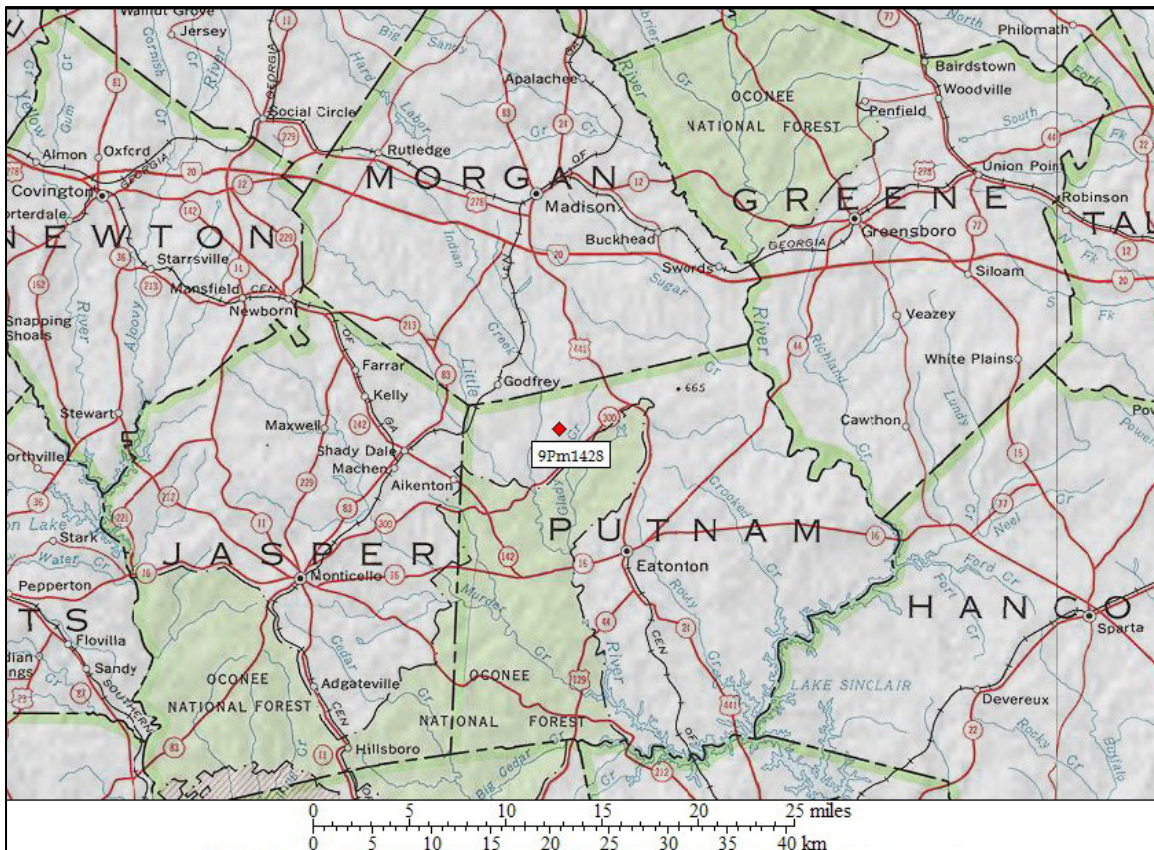
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## Background and Acknowledgments

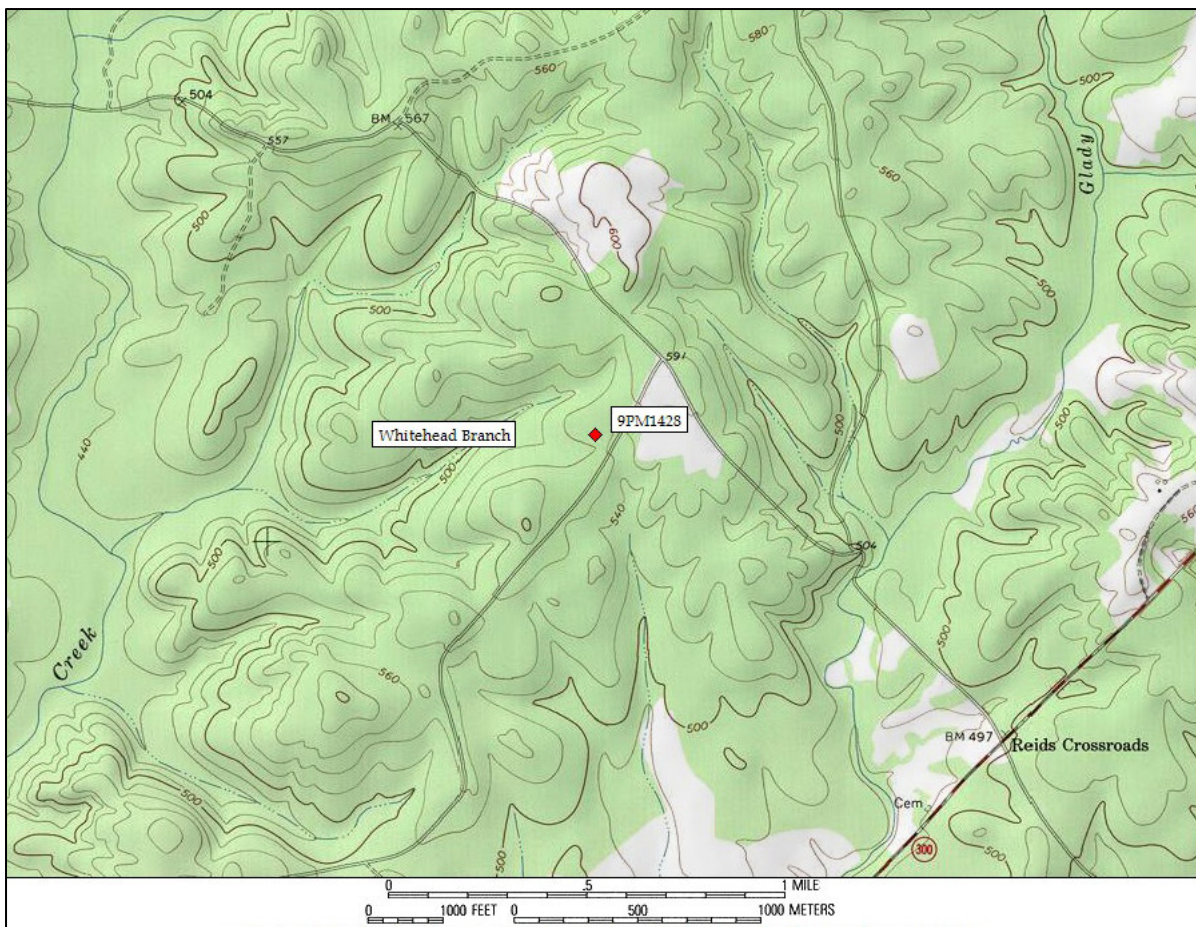
The University of Georgia has been conducting summer archaeological field schools in the area of northwestern Putnam and southwestern Morgan Counties, Georgia, continuously since 1997. This is part of a research program aimed at understanding a late prehistoric society that existed there for the short interval from 1500 to 1550 AD. Surveys have located many new sites, and the excavation of selected sites has revealed many new lifeway details of this long lost society. The work has been published in a series of reports and papers by the author and other researchers (Williams and Shapiro 1990a, 1990b; Williams 2003a, 2003b., 2003c, 2004,



**Figure 1.** Site Location Map 1.

2005; Elliott and Boyko 1989, Hatch 1995). This report represents a continuation of that work.

The Monroe site, 9Pm1428, was discovered on July 19, 2004 on land owned by the University of Georgia in Putnam, County, Georgia. As part of a program of survey and testing on the B.F. Grant Forest of the UGA Warnell School of Forestry, several Late Mississippian period farmsteads were located in the area known locally as Whitehead Corner. A number of these sites were originally located by archaeologist Dean Wood in 1974. Additional sites were located in the summer of



**Figure 2.** Site Location Map 2.

2004 by the Summer Archaeology Field School, also under the direction of the author. In seeking to fill in a perceived gap in the distribution of these farmsteads, I located the Monroe site in a previously unexamined area (Figures 1 & 2).

The site is located on the eastern summit end of a narrow upland ridge that descends to the west to a small previously unnamed branch here recorded as Whitehead Branch. This branch joins with Big Indian Creek about 2 kilometers south of this point. The site's name was selected by one of the students from the 2004 season and is currently located in a pine forest that is just over 25 years old. The understory is now fairly open, as is typical of Georgia Piedmont pine forests of this age. Its exact UTM location (Zone 17, NAD 1927) is 3700386 North and 272744 East. The elevation is 172 meters above sea level.

At the time of its discovery in 2004, a number of pottery sherds were collected from a few bare areas around the ridge top and on the sloping area to the east. Twelve positive shovel tests were placed randomly around the flat top area on the site, where it was assumed there would be a larger concentration of pottery. One of the shovel tests in the flat area yielded 15 sherds and I decided to place an excavation test unit near it. The exact location of the shovel tests was, unfortunately, not recorded during 2004. This unit was laid out as a 2 by 2 meter unit and excavated to sterile red clay at a depth of only about 12 centimeters. This work was conducted on July 20, 2004 by my assistants Lauren Cohen and James Fitzgerald, with students Andrea Adams, John Blair, Josh Jones, and Noell Lamberth. All the fill from this unit was screened by hand through a ¼ inch mesh screen to recover



artifacts. The unit yielded several hundred sherds, all of which seemed to date to the Late Mississippian period. The few shovel tests indicated that the site was a small one--probably less than 40 meters across. It seemed quite probable that the site represented the remains of a small farmstead dating sometime between A.D. 1500 and 1550. The actual length of occupation is probably much less than that interval.

The testing conducted at this site was quite similar to that conducted on several other such sites in the Whitehead Corner area in 2002 and 2004. As of this writing, similar work has been conducted on six other sites within a few hundred meters of the Monroe site. Typically this consisted of several shovel tests and a single 2 by 2 meter excavation unit designed to recover a large sample of artifacts. No features or posts were noted in the bottom of Excavation Unit 1. The depth to sterile red clay was only a bit over 10 centimeters.

One of the secondary goals of the original testing program was to locate a site to excavate more extensively in hopes of discovering posts defining the structure of one of the farmsteads. In the fall of 2004 I determined that the Monroe site seemed to be the best candidate for such an excavation and it was extensively excavated during the summer of 2005. Limited additional excavations also took place in the summer of 2006. This report documents those excavations.

The summer 2005 excavations were conducted as a University of Georgia Department of Anthropology archaeology field school from June 10 through July 25. The crew for this season consisted of the following students: Justin Bradshaw, Ellen

Burlingame, Ben Gunnells, Christopher Hunt, Beth Irvin, Mark Mooney, Nichole Rosamilia, Andrew Scarr, Natalie Stephenson, Lindsey Thomas, Talia Tiffany, Peter VanDyck, Jr., Cole Wood, and Halen Yates. My field assistant for this project was UGA Graduate Student Ellie Haywood. Cannon Daughtrey served as cook and second assistant for the project. I thank all the hardworking and dedicated people (Figure 3). I also thank Dustin Thompson and Frank Mohone of the B.F. Grant Forest staff of the UGA Warnell School of Forestry for their help in many ways. I also thank Woody Williams for his help in defining Structure 1.

In 2005 the work at the Monroe site consisted of mapping, shovel testing, and



**Figure 3.** 2005 Field Crew.

major block excavations. The three blocks excavated consisted of the large roughly square Block 1, a much smaller rectangular shaped Block 2, and a long 2 meter wide trench labeled Block 3. Three features were also located and excavated in Block 1. Finally, three probable post structures were located in 2005. Over 90 percent of the work reported in this report was accomplished during the 2005 season.

In 2006 minor additional excavations were conducted at 9Pm1428. This work was also carried out by a University of Georgia archaeology field school under the direction of the author. The students for these new excavations included Sam Benson, Eric Berg, Becky Blystone, Blake Coleman, Inger Coxe, Lauren Doak, Stuart



**Figure 4.** 2006 Field Crew.

Garth, Kelli Guest, Hannah Morris, Richard Moss, Candace Rutledge, and Eric Soderstrum. The work was aided by my Field Assistant, UGA Anthropology graduate student John Turck. The work was also aided by former field school students Ellen Burlingame, Viki Dekle, and Peter VanDyck, Jr. I thank all these people for their contribution. Finally, I thank my archaeology colleague Jared Wood for reading and editing this report.

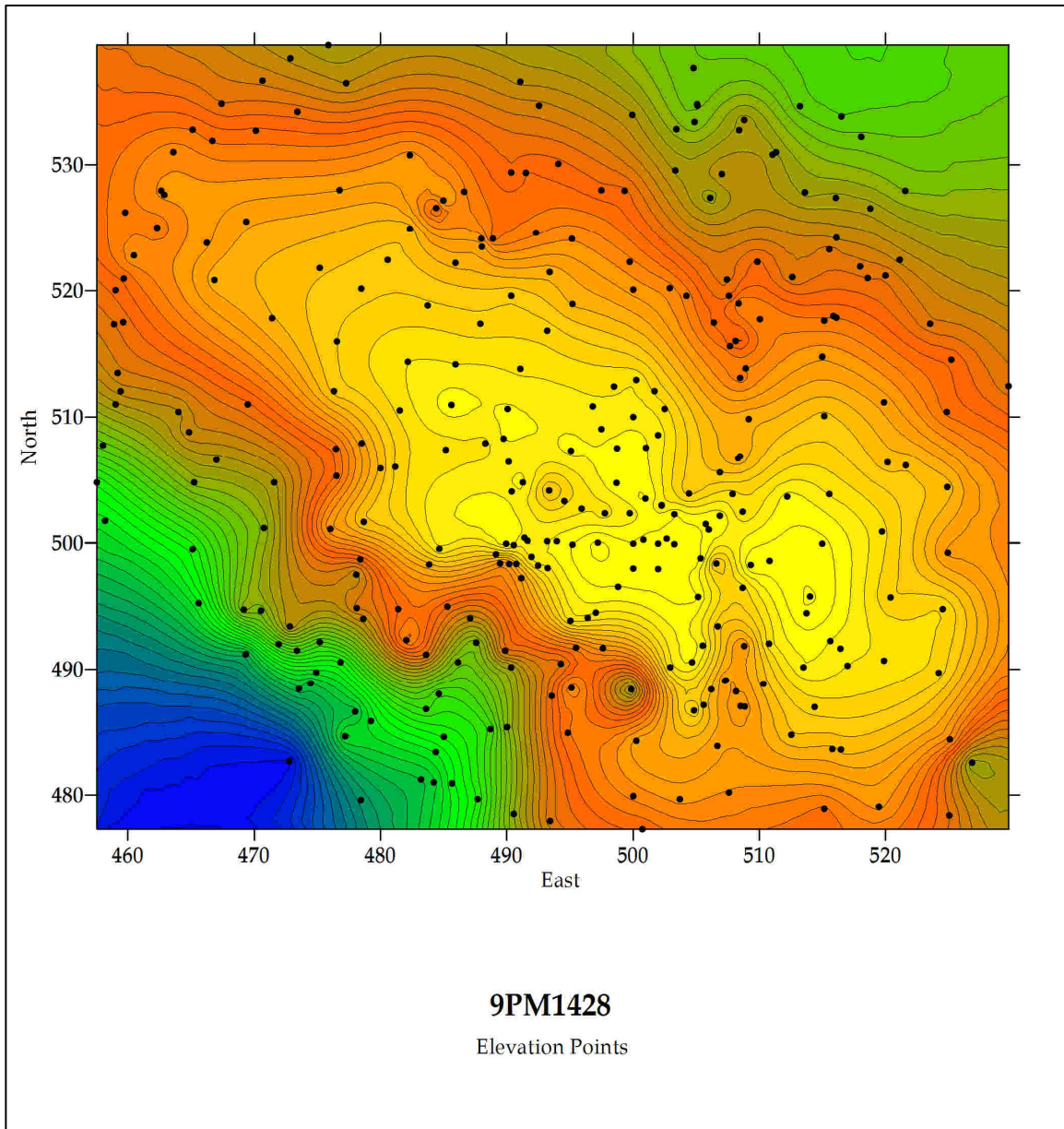
This work took place at the Monroe site from June 12 through June 16, and also on June 21 and July 19. Specifically, fifteen additional excavation squares were created in 2006 in the areas east, west, and north of Block 1. The nine squares to the east and west were 2 by 2 meters in size. The work to the north involved excavating a narrow 1 meter wide strip left separating Block 1 from Block 3 of the 2005 season. This strip was excavated as six 2 by 1 meter units. Also, the entire new large block (called Block 1) was carefully rescraped and troweled in hopes that additional post molds would appear. Only a few were added to our maps, however.

## Topographic Mapping

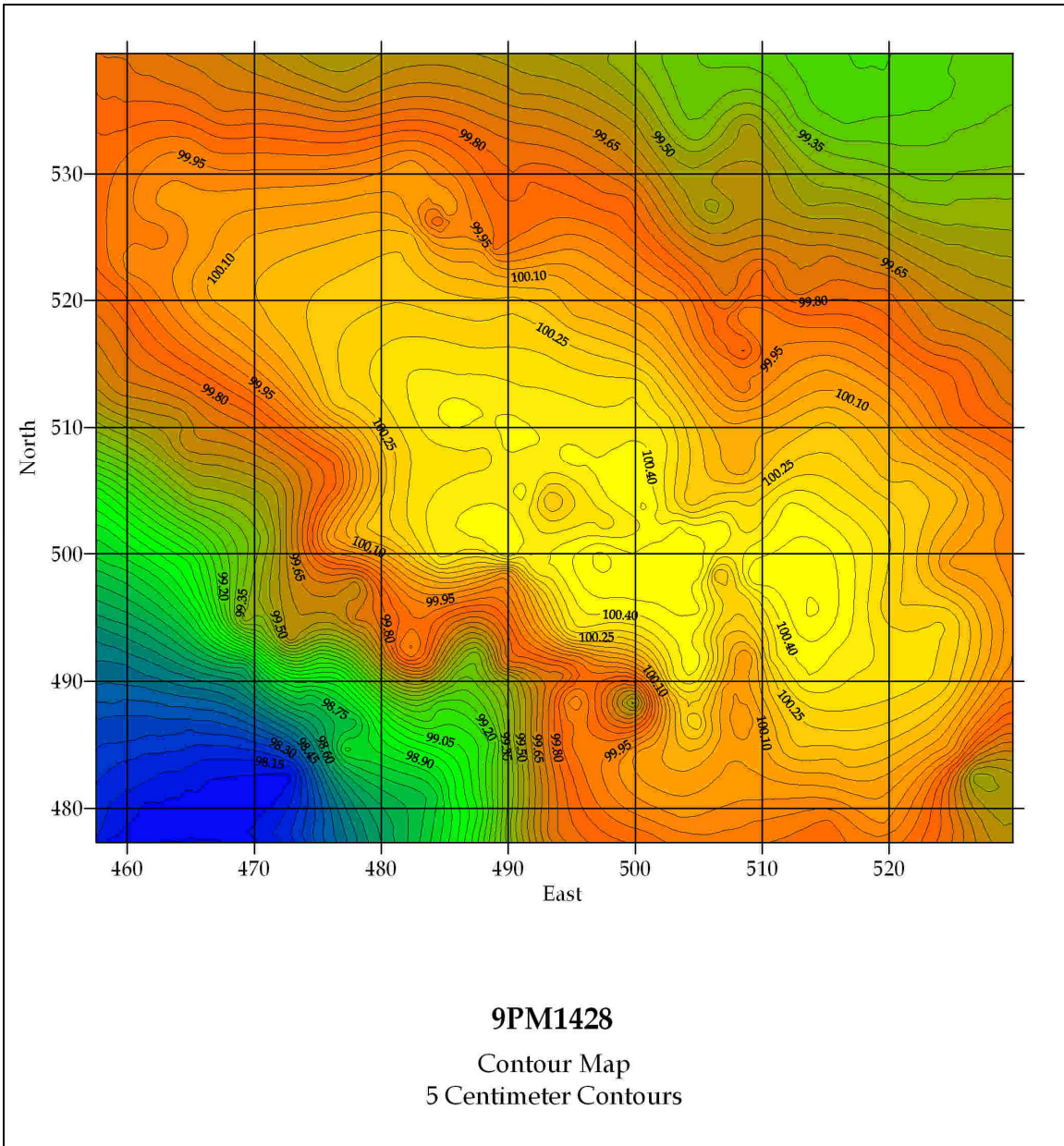
No grid was installed on the Monroe site during the initial testing during the 2004 season. When we began in 2005, this was the obvious first task. The stakes defining the single excavation from 2004 (backfilled in 2004) were still present so this square was used to guide the implementation of the grid. The original unit was oriented, as was the grid, to magnetic north. The northwestern corner stake of the old unit was arbitrarily defined as location 500 North, 500 East, with units in meters. The UTM coordinates (NAD27) of this point as read by a Garmin GPS V were 3700384 North, 272748 east. A series of stakes were placed in the woods around this point and appropriately labeled with grid designations. For elevation purposes, the ground surface at stake 480 North, 500 East was given an arbitrary elevation of 100.00 meters. The original square was eventually labeled as Square 5 in the Block Excavation placed around it.

The first Instrument Point was at 510 North, 500 East. Using a Sokkia Set6F Total Station, 305 elevation points were taken from here over three different sessions. These data are listed in Appendix 1. They were processed into contour maps using the program Surfer from Golden Software. Figure 5 shows the location of all these points and a resulting 5 centimeter contour map of the site ridge. Figure 6 shows that same map with the site grid imposed over the contours. The narrow but flat summit of the ridge is the actual location of the center of the small site. The fact that I have presented the map with the very small contour interval of 5 centimeters exaggerates the actual differences in elevation from the summit to the

sides of the ridge. Note that the actual difference in elevation over the area of the maps is only just over 1 meter. The ridge drops very slowly to the northwest, more steeply to the northeast, and most steeply to the southwest. The southwestern area appears to be quite uneven and eroded, presumably from 19<sup>th</sup> century farm erosion. An unexpected feature revealed by the contour map was an old road bed running across the site north to south between 505 and 510 East on the grid. This likely dates to the 19<sup>th</sup> or early 20<sup>th</sup> centuries, but may date as early as the early part of the 19<sup>th</sup> century. The discovery of this road early in our field season caused concern for how much the prehistoric farmstead had been damaged by historic activity. As shown later, there were a few early 19<sup>th</sup> century artifacts located in our block excavations. Fortunately, the damage to the prehistoric site seems to have been minimal. We avoided any excavation in the area of the road bed, however.



**Figure 5.** Elevation Points and Site Contour Map.





## Shovel Tests

At the same time we were gathering the elevation data for creating the contour map of the site, we began excavating a series of shovel tests to better define the distribution of the artifacts (primarily ceramics) on the site. These were all excavated with a pointed shovel and taken to the sterile red clay under the plow zone on the ridge. Most of these tests were 30 centimeters in diameter and varied from 15 to 25 centimeters deep. The fill of every hole was screened through  $\frac{1}{4}$  inch mesh hardware cloth to recover artifacts. A total of 93 tests were so made during the 2005 season. The basic data for all these (location, sherd number, and sherd weight) are presented here in Appendix 2. The locations of the tests were intuitively selected around the area of the test excavation from the 2004 season. We already had a reasonably good idea of where the densest occupation areas of the site were located, and simply wanted to gather better data to create an accurate density contour map. The specific locations of all shovel tests were shot in using the same Total Station setup used to record the elevation data presented in the previous section. The locations of almost all of the shovel tests are shown on Figure 7. A few that were made well outside the main area of the site are omitted from this figure.

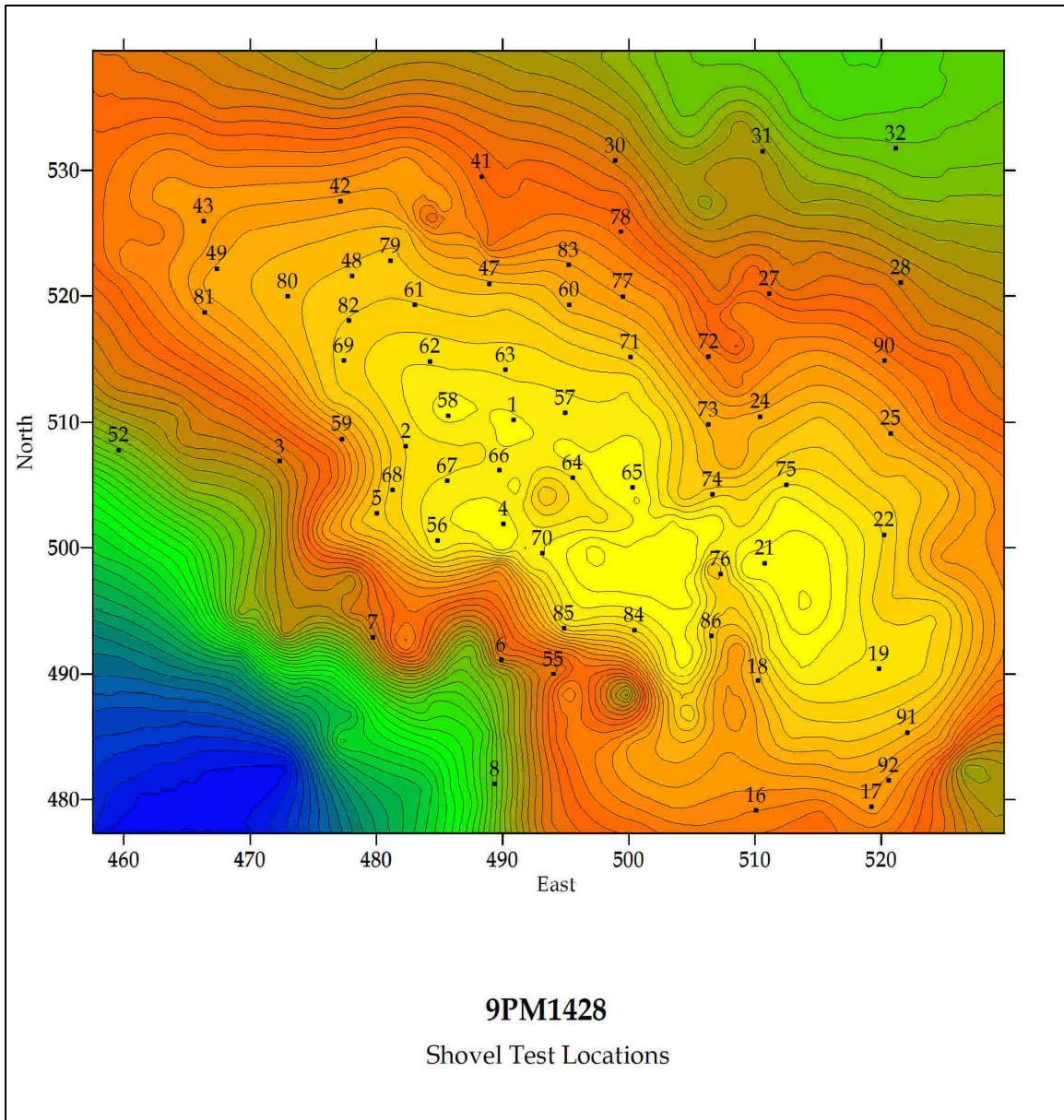
The number of sherds ranged from a low of 0 from 40 of the tests to a high of 23 on a single test. The latter was certainly atypical since the highest number of sherds excluding this unique test was 9 sherds. The total number of sherds recovered from all the shovel tests was 190, with a weight of 627 grams. The mean

number of sherds from all holes was thus just over 2, with a weight of almost 7 grams.

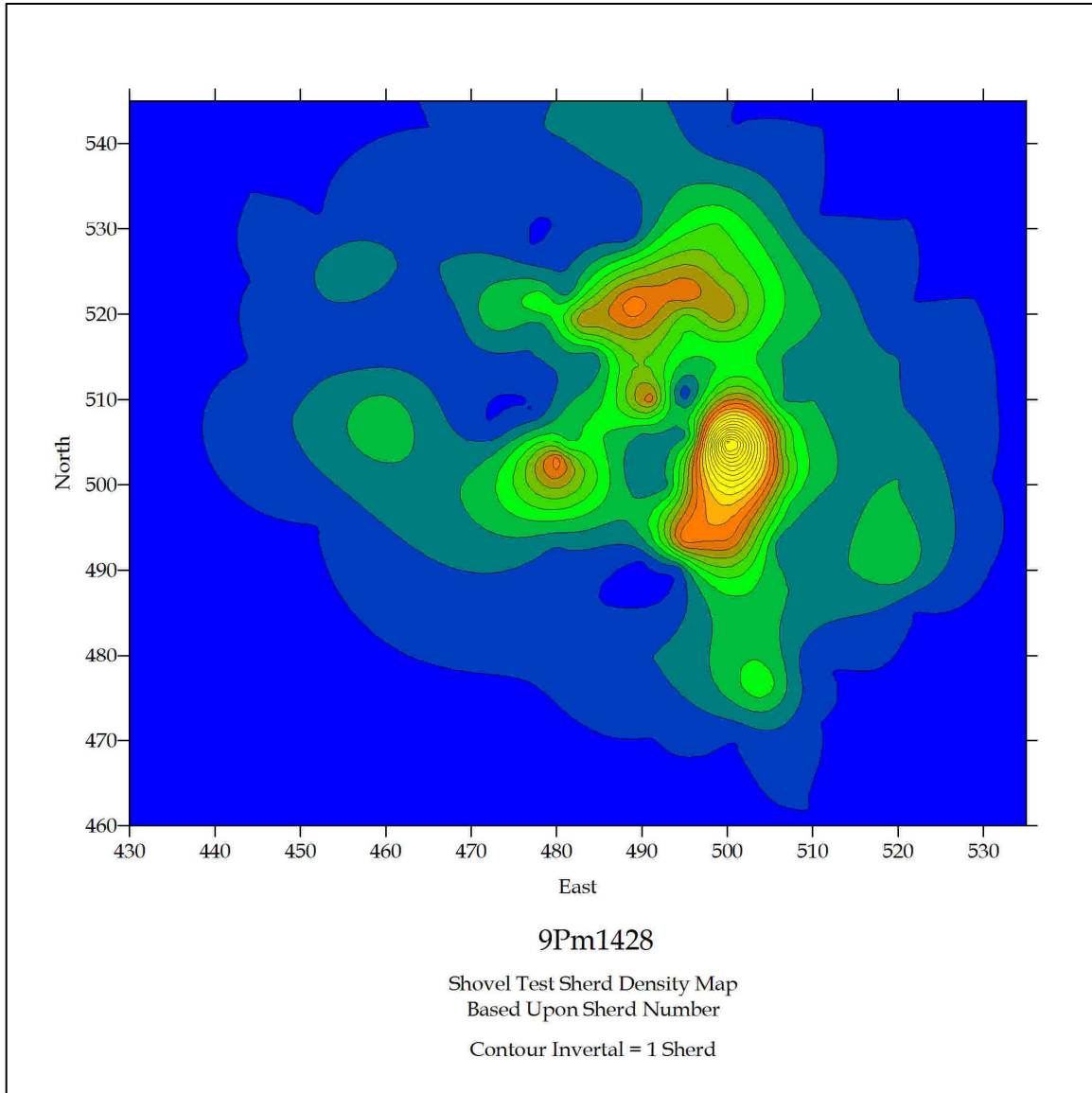
Figures 8 and 9 are contour maps of the density of sherds over the site based upon, respectively, the number and weight of sherds from the shovel tests. The patterns from these are both very similar. In both cases there is a generally rectangular outer area of very few sherds that is about 80 by 70 meters, oriented with the ridge, that is southeast to northwest. Within these extremes, a core area that is about 40 meters across clearly represents the core of the farmstead. The sherds are not at all evenly distributed within the core area, however. The densest area of the entire site is on the eastern part of the core, and generally runs north - south. Looking at Figure 8 (Number), the hot eastern area is about 20 meters by 10 meters, while Figure 9 (Weight) shows this eastern dense area extending another 20 meters to the north. At the northern end, a smaller hot streak runs to the west for about 20 meters. Finally, there is a smaller isolated higher density area on the western edge of the main dense part of the site occupation. Another way of looking at the main pattern is that there is an area near the center that has much lower sherd densities that is essentially surrounded by higher density areas, particularly on the east.

Figure 10 shows the Sherd Number density map with the eventual location of our block excavations from the 2005 and 2006 seasons. We began excavation in what became Block 1 on its southern edge in the area of the highest artifact density on the site. This seemed like a perfectly reasonable decision at the time, but, with 20-20 hindsight was the wrong place to initiate our work. The main house at the site was

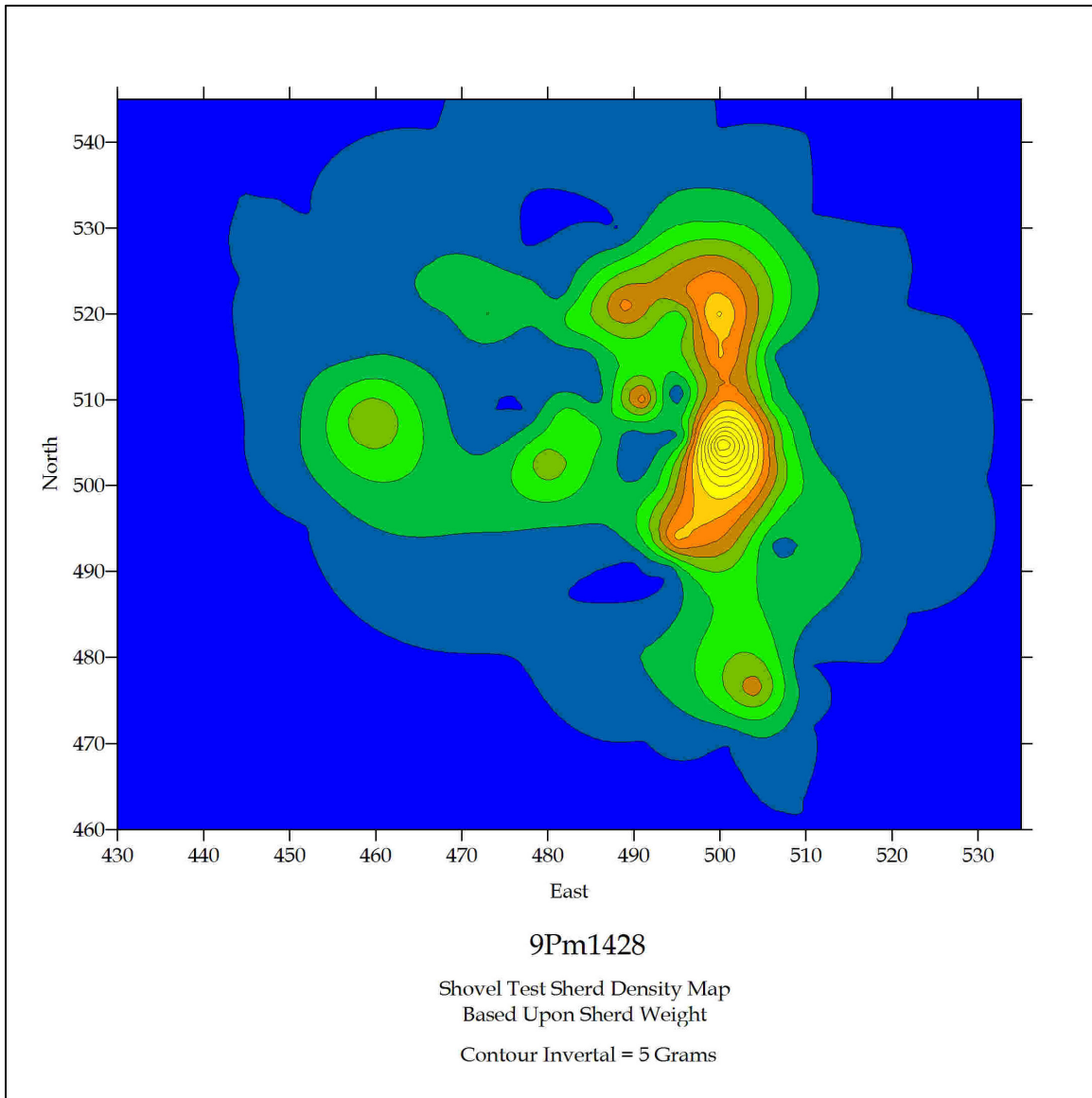
located in the low artifact density center area in the center of the doughnut. In any event, the data from the shovel tests was very quickly available to our work since we processed it within hours of conducting the work. Essentially, Figures 8 and 9 were available in the field on the laptop computer running Surfer, and this instantaneous feedback in the field was very helpful throughout the rest of the 2005 season.



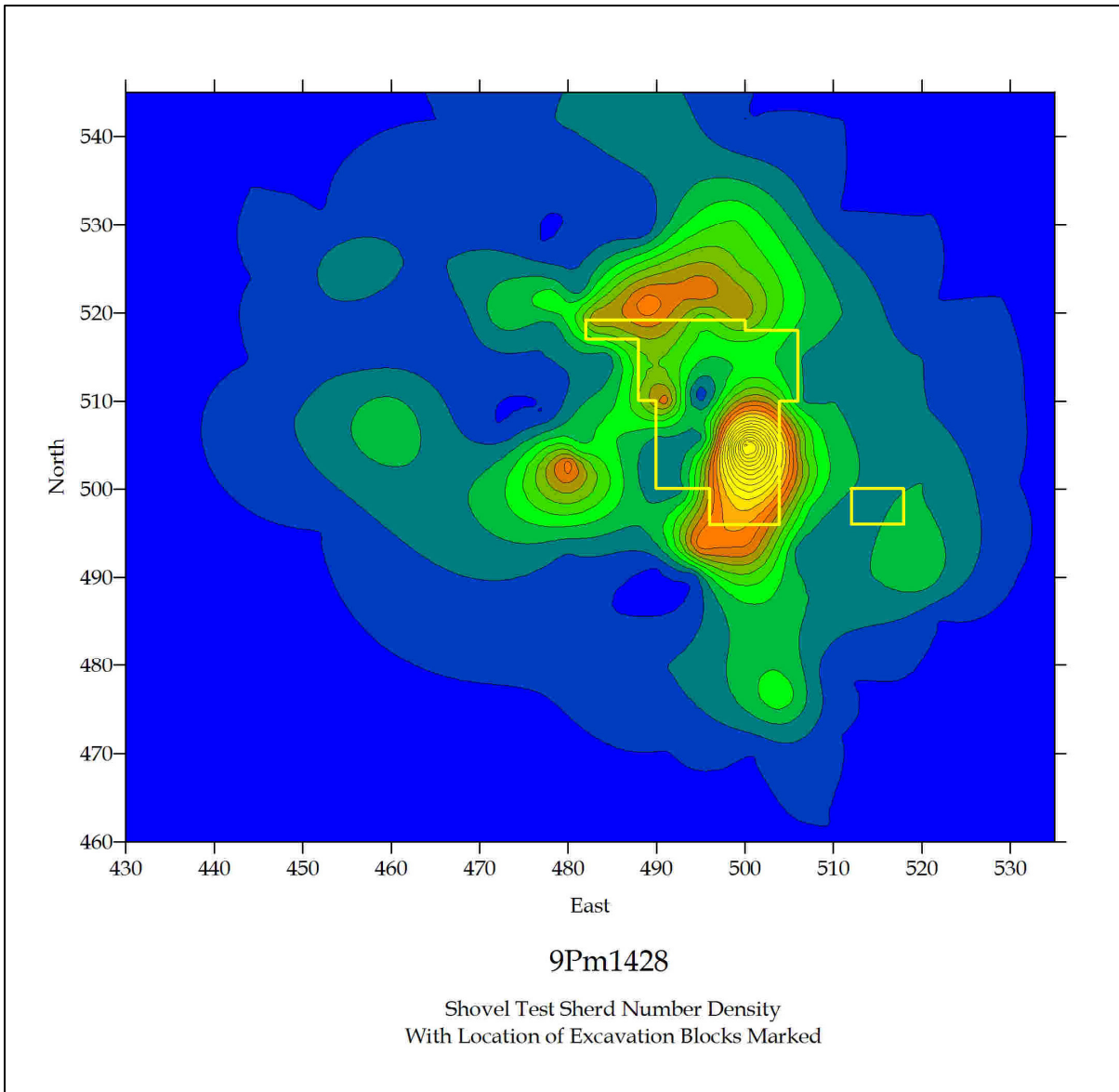
**Figure 7.** Shovel Test Locations.



**Figure 8.** Shovel Test Sherd Density (Number).



**Figure 9.** Shovel Test Sherd Density (Weight).



**Figure 10.** Shovel Test Sherd Density with Excavation Blocks.

## Block Excavations

The main excavations at the Monroe site consisted of three separate blocks during 2005, with some limited additions during 2006. All of the excavations in each block were conducted in 2 by 2 meter units except for a small amount of 1 by 2 meters units during 2006 (Figure 11). These were numbered sequentially as they were excavated. The locations of all excavation squares by their numbers for both 2005 and 2006 are presented in Figure 12. As can be seen by the number sequence, the work started in the southern part of what became Block 1. Square 5 was actually the initial square excavated in 2004. This southern area was selected based upon the high density of sherds located in this area by shovel testing.

Squares 24-29 were excavated in Block 2, which was located on the flat area to the east of the road bed. This block was excavated here because very few possible post stains and no features were located in the first 23 squares of Block 1. None were noted in Block 2 either, however. This led to the excavation of Block 3, a 2 meter by 18 meter trench formed from 9 separate squares that ran west to east on the northern part of the site. Only one or two possible post stains were noted in this trench. Thus after having excavated 38 squares, and having recovered a great many artifacts, no clear evidence of any structure had been located.

At this point we excavated Square 39 and post holes began to be seen. This led then to the excavation of the rest of what became to northern half of Block 1, and the discovery of Structures 1 and 2 (Figure 13 And 14). The highest numbered

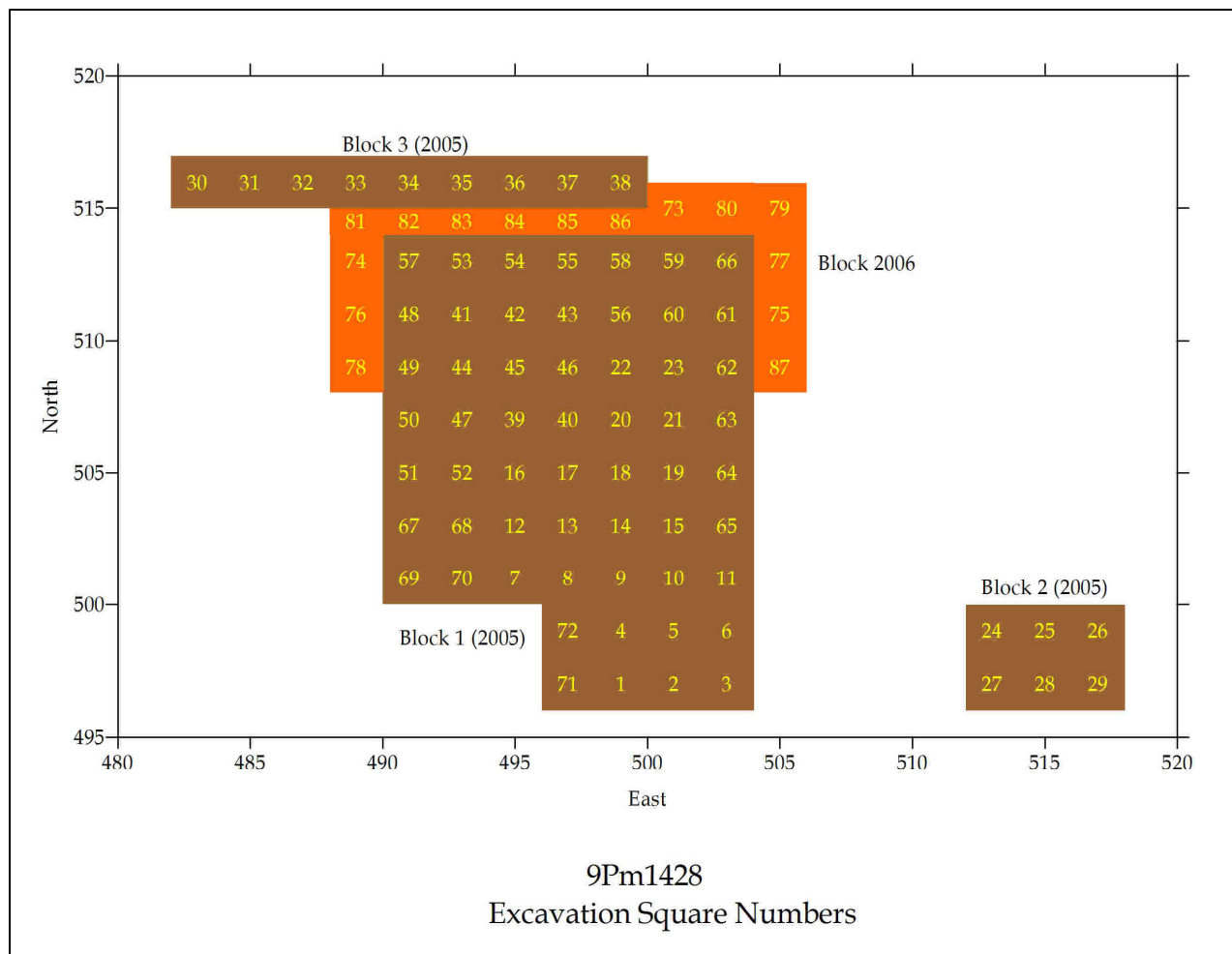


excavation unit at the end of the 2005 season was 72. Excavation units 73-87 were excavated during the brief 2006 season. This included removing a series of by 1 by 2 meter units between Blocks 1 and 3 of the 2005 season, as well as expanding a bit to the east and west from the northern part of Block 1 from 2005. The full unit after 2006 was still called Block 1. No additional work on Block 2 was conducted during 2006.

All units in both seasons were screened for artifact recovery through  $\frac{1}{4}$  inch mesh hardware cloth. Most were screened by hand using tripod arrangements, but about  $\frac{1}{3}$  of the units were excavated using a power shaker screen designed by the late Harold Huscher (see Figure 3). All units were excavated in a single plow zone level. The site was very shallow – the average depth to sterile red clay was only 10-12 centimeters.



**Figure 11.** Initial Block 1 Excavations.



**Figure 12.** Site Excavation Square Numbers.



**Figure 13.** Completed Excavation Looking Southeast (2005).



**Figure 14.** Completed Excavation Looking South (2005).

## Features

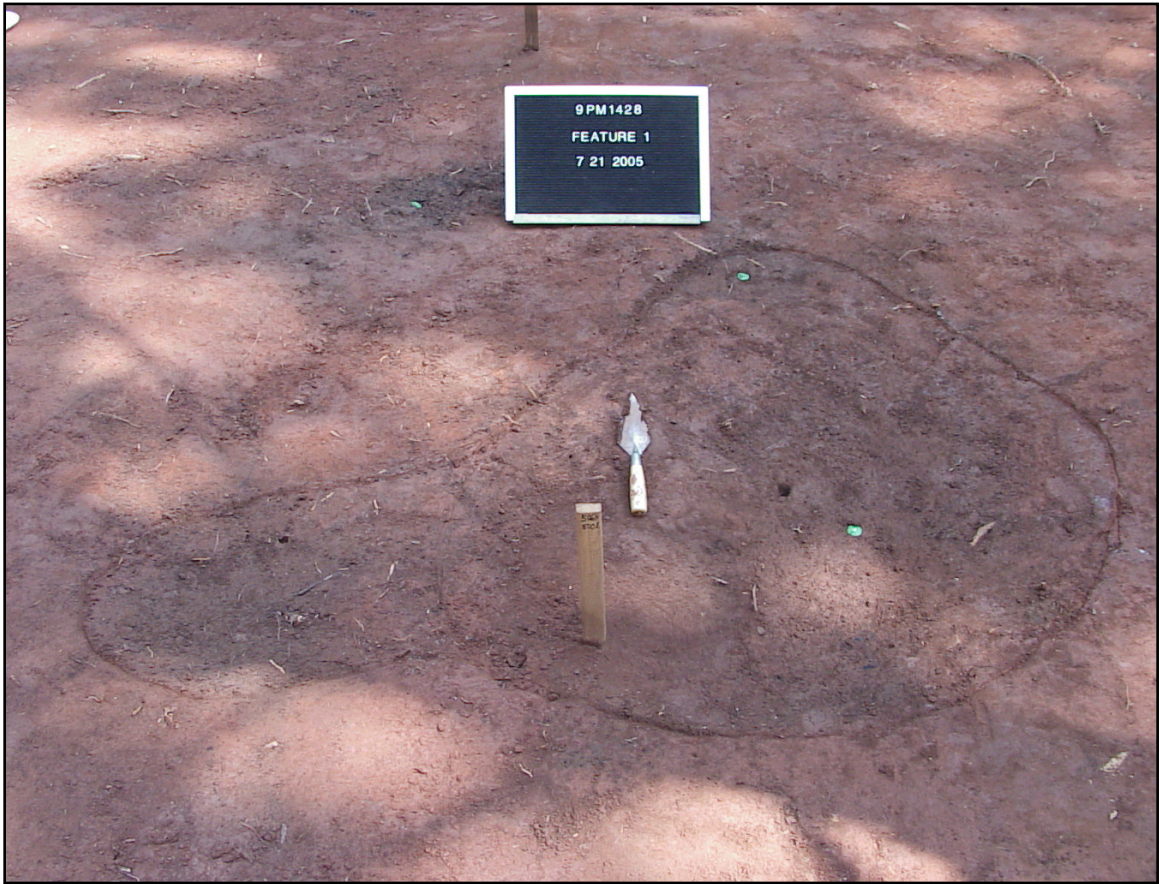
There were only three features uncovered in the excavation at the Monroe site. They were all located in a small area in the northwestern part of Block 1, in the area between the three structures defined for the site. All three appear to have been the remains of daub processing pits, probably created at the time of the construction of the structures at the site. It is striking that there are three such features and three structures at the site. Features 1 and 3 are relatively shallow and are closer to the two smaller structures on the site (Structures 2 and 3). Feature 1 is deeper and is closest to the larger Structure 1. The full lists of artifacts from the features are listed in Appendices 14 and 15. The few vessel fragments recovered are discussed in the section on artifacts later in this report.

Figure 15 shows Feature 1. The area of the feature shown to the left side of the photograph was revealed to be a post mold, not a part of the round feature after the feature was excavated. Figure 16 shows a drawing of the final shape and profile of the feature. Its east-west diameter was 128 centimeters, and its maximum depth was 13 centimeters.

Feature 2 is shown in Figure 17 prior to its excavation. Figure 18 shows the feature as partially excavated. There were several ceramic vessel fragments in the fill of the feature. The feature is drawn in Figure 19. As can be seen, the feature had an uneven bottom, with a maximum depth of 35 centimeters on the southern part of the base of the feature. The east-west diameter was 107 centimeters and the north-

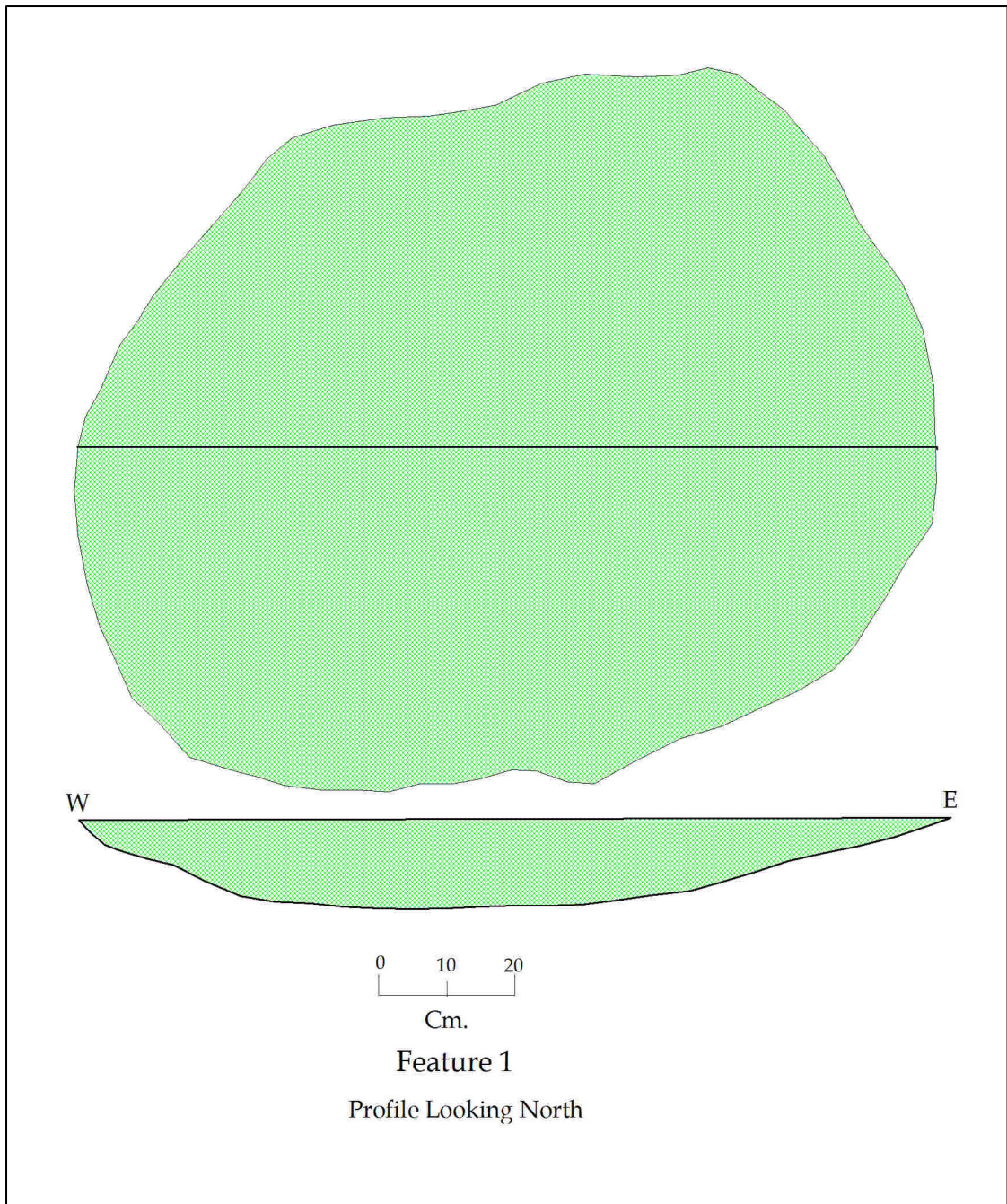
south diameter was 120 centimeters. There was a moderate amount of charcoal and ash included in the feature.

Feature 3 was just west of Feature 2, and was similar in shape and size. It is shown in Figure 20. The plan and profile of this shallow feature are presented in Figure 21. The east-west diameter was 98 centimeters and the maximum depth was 15 centimeters.



**Figure 15.** Feature 1 (Lobe on left was a Post Mold).





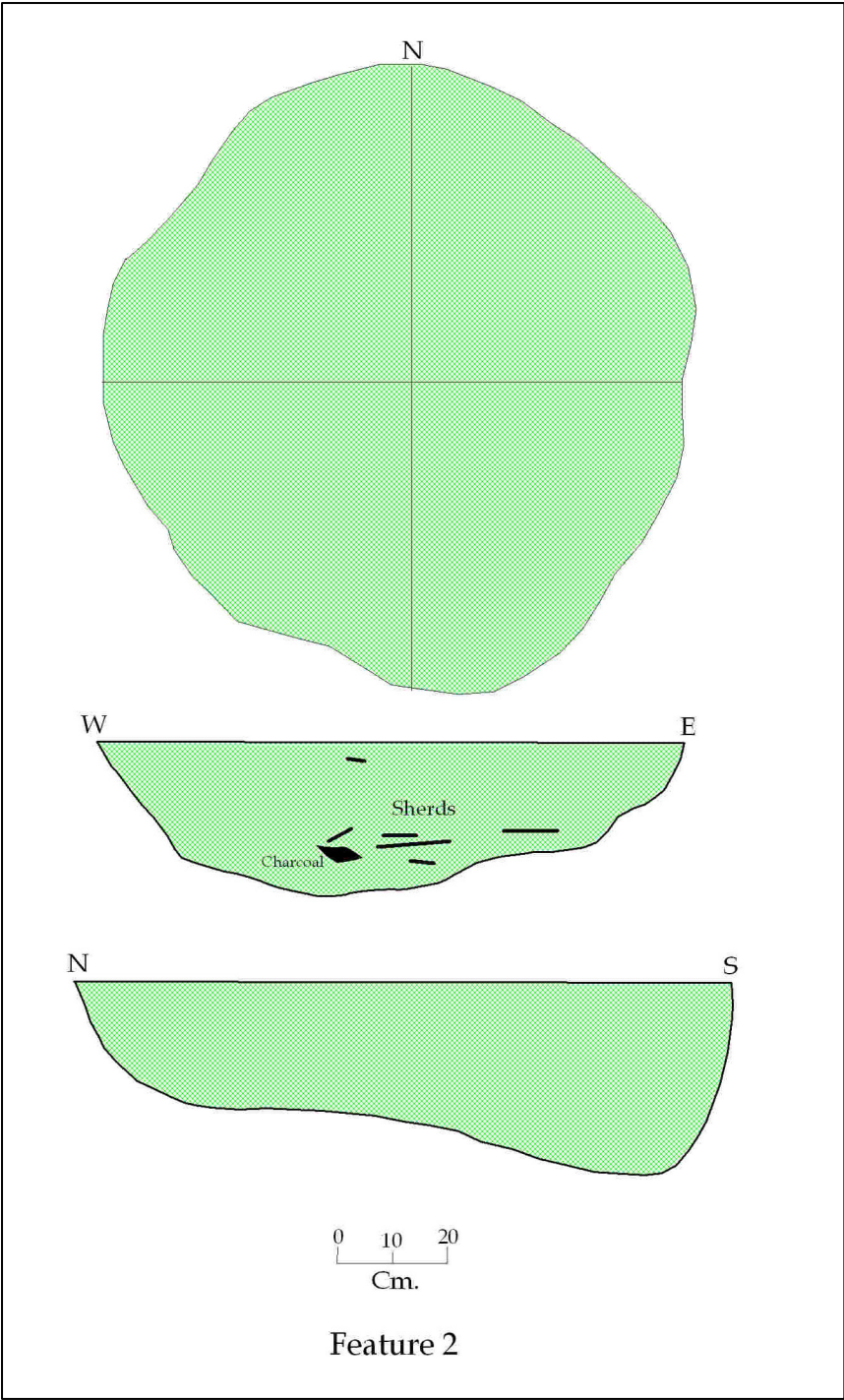
**Figure 16.** Feature 1.



**Figure 17.** Feature 2.



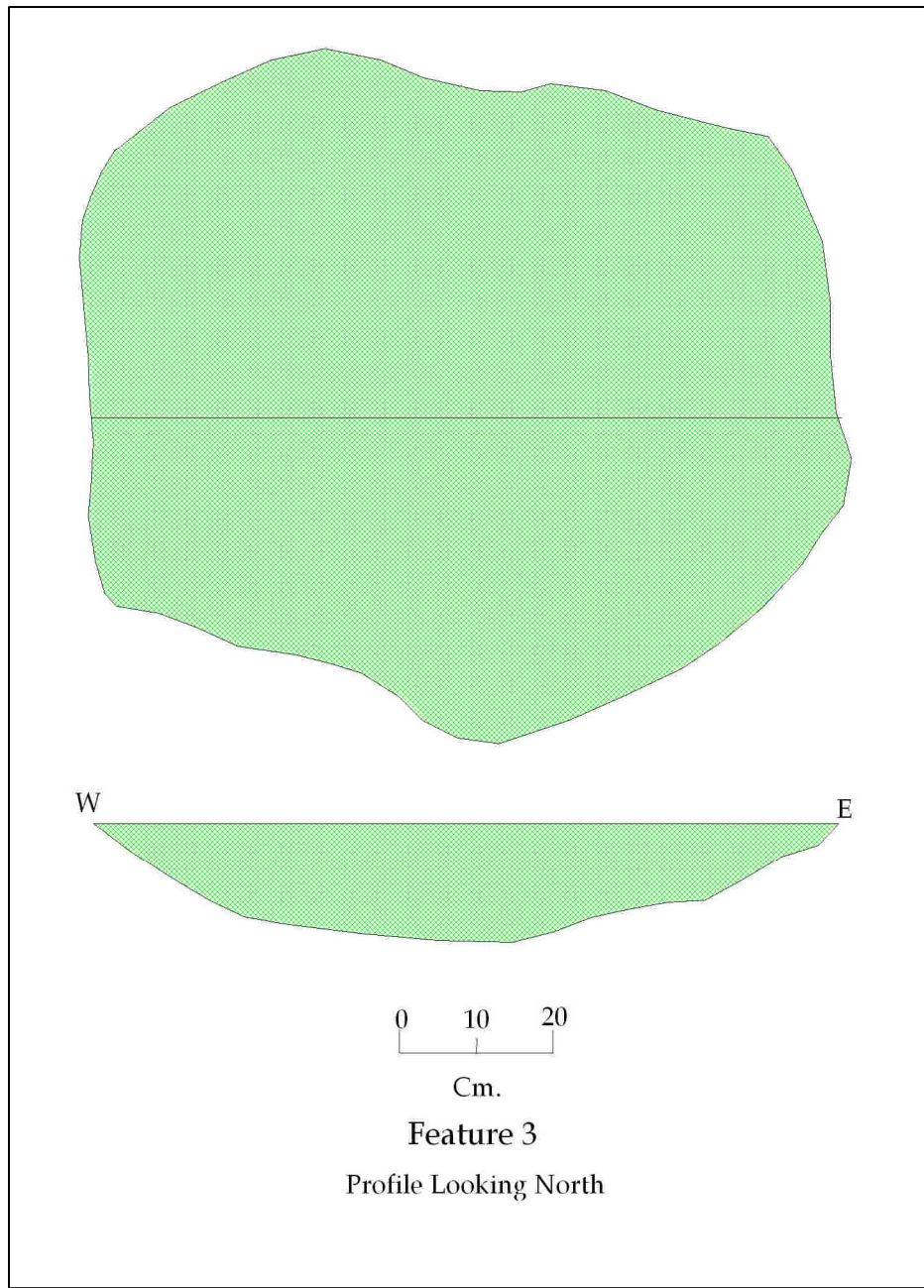
**Figure 18.** Feature 2, Partially Excavated.



**Figure 19.** Feature 2



**Figure 20.** Feature 3.



**Figure 21.** Feature 3.

## Structures

Figure 22 shows the final map of the post molds at the end of the 2006 season. There are clearly structures at the site represented by these post molds, but they certainly are not crystal clear. I have chosen to define three structures here. The largest is Structure 1 in the northwestern part of the final block excavation. It is likely a round structure with a diameter of about 7 meters. This is shown in estimated form on Figure 23. There are a number of interior posts in it, but there is not a clear central square. There was no indication of a hearth, but this may not be surprising since the site was plowed for so long. A large pine tree near the center also made work in this area difficult. There is a small possibility that the structure here was rectangular rather than circular. If it were, it would have been oriented with the cardinal directions and measure 8 meters east to west and 6 meters north to south. The artifact density patterns from the excavated squares in this area, presented later in this report, show this area to have been one with fewer artifacts than most of the rest of the site. There were no features intruding on the floor of the structure. Very commonly human burials are placed in the floors of such structures in the Oconee River valley (Hatch 1995). The lack of any such features in this structure or on the entire site might be interpreted as indication of a relatively short term occupation.

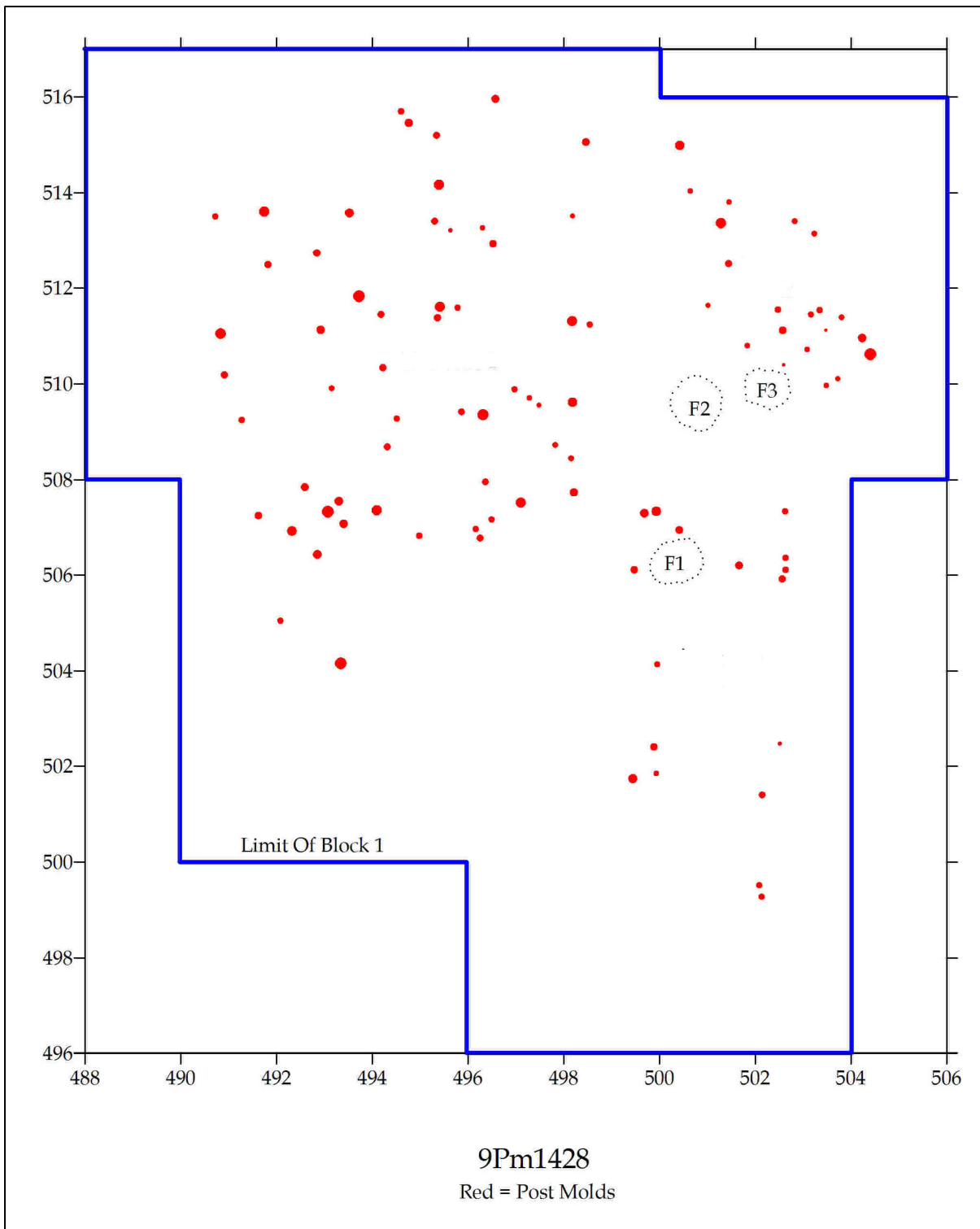
Structure 2 in the northeastern corner of the excavation block is the smallest and least clear from the site (Figure 22). I am interpreting this odd pattern as a small rectangular building, oriented at 45 degrees to the cardinal directions and only

about 2.5 meters square. This may actually consist of two separate smaller buildings – the pattern is simply not clear enough. Incidentally, for all the structures at Monroe, I have carefully studied the patterns of distribution by post diameter in Surfer in order to refine my interpretations. This helped only a little in my final conclusions, however. Structure 2 is too small to have been used for human habitation, and its proximity to the large house, Structure 1, makes it seem likely that this was a small storage building, perhaps a corn crib.

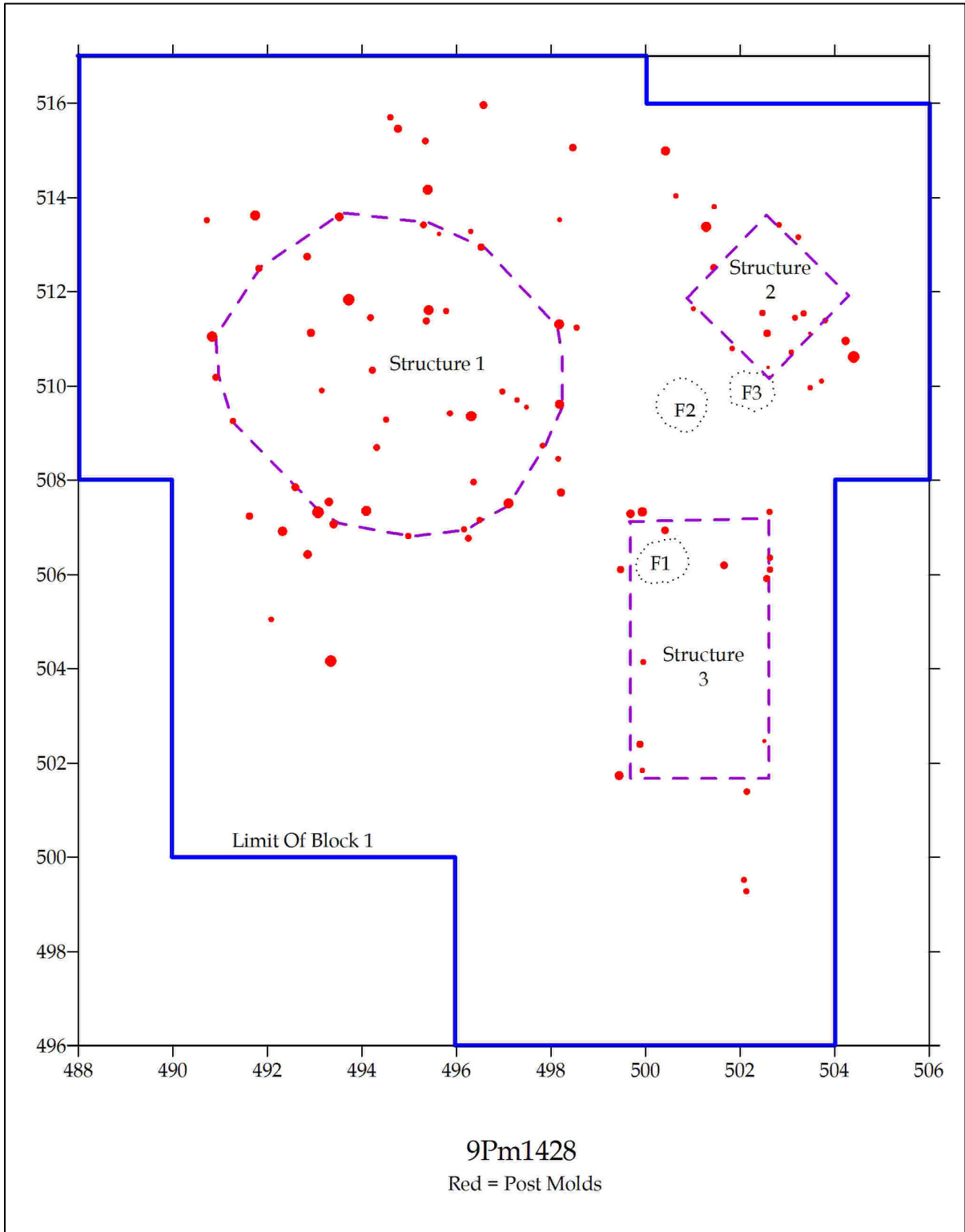
The final structure defined by the post molds at the Monroe site was Structure 3 (Figures 22 and 23). This is a rectangular structure, oriented with the cardinal directions, and measuring about 5.5 meters north-south by 3 meters east-west in size. Oddly Feature 1 is inside the area that I am defining as Structure 1. As with Structure 2, I believe this structure is too small to be considered as a living space for the people at the site. As will be seen when the maps of artifact distributions are shown later in this report, this structure is clearly associated with the bulk of the ceramics from the site. I thus strongly believe that Structure 3 is best interpreted as a cooking shed. It was likely relatively lightly built and may have had only a shed roof.

All of the post molds from the site were cored with a 2.5 centimeter diameter auger to determine their depth. Careful mapping of post locations by depth and volume using the Surfer program has not helped define the structure better than what I have already presented. The data from all post are presented in the Appendix 16.





**Figure 22.** Excavation Block 1 Post and Feature Locations.



**Figure 23.** Excavation Block 1 with Structure Outlines.

## Artifacts

The Monroe site produced a large number of artifacts—primarily because we screened all 87 squares excavated from the site. In this part of the report I will simply give an outline of the material culture object recovered from the site. The basic data are presented in a series of appendices to this report. It is clear that well over 99 percent of the ceramics recovered from the site date to the Dyar phase of the Lamar period—1500-1550 A.D. This, of course, is the period of the structure and features at the site. These sherds include Lamar Complicated Stamped, Lamar Incised, and Lamar Plain (Williams and Thompson 1999).

There are a few other minor components at the site, however. First, there is a small amount of early 19<sup>th</sup> century historic material from the site. These artifacts are listed in Appendix 13, and likely are from a nearby homestead from that period. We did not locate the actual house site, however. The total number of artifacts from this period was 47, 32 of which are green glass. There were 2 fragments of green edge ware, a single fragment of blue hand painted pearl ware, and a single fragment of ironstone. These likely date to the first half of the 19<sup>th</sup> century.

Appendices 3-5 list the artifacts from the 93 shovel tests excavated on the site. The total number of sherds recovered was 163, and the total number of flaked lithic fragments was 137. Other than their important use for defining the overall site sherd density patterns presented earlier, no further comments are necessary about this small collection.

The data presented here in Tables 1-6 that follow were extracted from the full data presented in Appendices 7-9 and 13. Table 1 presents a summary of the ceramics from all 87 excavation squares from the site. The total number of sherds was 16,247. Of these 70.12 percent were Lamar Plain, 15.50 percent were Lamar Complicated Stamped, and 13.30 percent were Lamar Incised. There were 100 sherds that had punctuating, either alone or with incising. The presence of punctuating seems associated as a minority type with all Lamar material in the Little River valley. There was a very small minority of Early Woodland Cartersville Simple Stamped material from the Monroe site. This is not too surprising since it is now known that the Gladys site, 9Pm1568, is a site of this period only 100 meters west of the Monroe site.

The incised sherds are also presented in Table 2 below. The percent of fine incised (lines 1 mm or less wide) is a rather high 10.62 percent. Coupled with the rather low percentage (19.34) of bold incising (lines greater than 2 mm wide), this may imply that the Monroe site was late in the occupation of the Little River valley. Indeed, some would argue that it might be as late as the Bell phase, but I do not think so.

Table 3 lists a variety of miscellaneous ceramic items from the site. The fact that there were only four ceramic disks from the entire site, particularly in such a large ceramic collection, is noteworthy. Although we do not yet understand the function of these disks (game markers, tools, etc.), they are very common at mound sites and special purpose sites. Jerald Ledbetter (personal communication 2005) has

found that Lamar farmsteads in southern Greene County, some 20 miles to the east, also have low incidences of pottery disks. Perhaps this pattern will help us understand the contexts of these enigmatic items better.

There were 39 tobacco pipe fragments from the site. This indicates that the people were definitely smoking, and probably not just in a ceremonial context. At the very least, any ceremonial smoking would have been a family-based ceremony.

The presence of 7 small ceramic beads indicates that these items of adornment, quite common (143) at the local Little River mound center (9Mg46), were also used at the individual farmsteads in the community. These beads are spherical and usually no more than 6 or 7 millimeters in diameter. Certainly some of these have gone through  $\frac{1}{4}$  inch mesh screens at all sites in this area.

Table 4 lists the local quartz artifacts from the site. These were quite common, with a total of 2884 items. It is quite likely that these date to several earlier periods or component at the site. The area of highest density for the quartz flakes is similar to the area of highest Lamar ceramic density, but I believe this to be coincidental. The large number of flakes and shatter indicates that tools were being made at this site during the several periods, likely as the location of a base camp.

There were 129 Coastal Plain chert items from the site. These are presented in Table 5. The closest source for this material is about 45 miles to the south, and the material was clearly carried from at least that distance. The lack of any primary flakes is also in accord with this observation. Likely the material was brought in as finished tools that were resharpened at the Monroe site during their use life.

Table 6 lists the 40 projectile points identified from the excavation squares by time period and material source. As can be seen, points are present from virtually all prehistoric periods except Paleo-Indian. The Mississippian points identified are triangular ones that might actually date to the Late Woodland period, since these are not known for Lamar occupations in the majority of the Oconee Valley. Clearly this little elevated ridge knoll or end was a favored spot throughout most of the last 10,000 years. The Middle Woodland points recovered here may relate to the few Woodland tetrapod feet found in the ceramic collection. Both of these may be related to the nearby Middle Woodland Gladys site (9Pm1568) located 100 meters to the west (Williams 2006).

The final table presented here (Table 7) lists the weights in grams of a wide variety of materials recovered from the excavation units at the Monroe site. Bone and Shell are rare, but this is to be expected in the plowed topsoil of the site. In English units, both are just under an ounce in weight total. Oddly, there is a small amount of what has been identified as limestone fragments. This is not local, but would have had to come from the Coastal Plain to the south. The fragments are too small to have been used for any apparent function, and their presence at this site is a mystery to me. The hematite is likely a local natural material in the soil at the site rather than a result of cultural activity, but I am uncertain. The amount of daub identified from the excavations was large, nearly 60 pounds. As discussed below, there is perhaps a bit of doubt if all this is actually fired daub, since it is all very small fragments from this plow zone site. The amount of unmodified rock from the

site was huge, totaling over 278 pounds. This is not surprising for a site in the Georgia Piedmont.

Finally, the weight of all the sherds recovered from the excavation units was just under 200 pounds. This is a large amount of pottery, and I roughly estimate that we may have excavated perhaps half of the sherds from the entire site. Thus the total amount of pottery from the site would be on the order of 400 pounds. If a single vessel weighed perhaps 5 pounds, then the entire collection might number 80 vessels. If the site was occupied for 10 years, then this might indicate that as few as 8 vessels a year were being made and broken on the site. I admit these numbers are subject to wide disagreement, but believe that we should attempt more of these sorts of speculative examinations of Lamar vessel assemblages.

There were a few sherds from the features that were large enough to discuss vessel shapes. Specifically, Feature 2 had 7 identifiable fragments and Feature 3 had a single fragment. Feature 1 had none. All 3 of the features had a number of larger plain sherds, but these could not be identified with specific vessel fragments. The 8 fragments are illustrated in Figures 25-31. Figure 25 shows Vessel Fragment 1, a Lamar Plain vessel with a folded pinched rim. The rim diameter of the vessel was 33 centimeters. The form is simple without a neck. This was the largest reconstructed fragment from the site. Vessel Fragment 2 is shown in Figure 26. This was a large single rim sherd with an estimated vessel diameter of 23 centimeters. The folded pinched rim is heavily notched with vertically placed fingernail marks

between the pinches also. The vessel surface was very rough, and was likely very lightly stamped.

Figure 27 shows both the exterior and interior views of a small flared rim vessel, Fragment 3. There are no markings on the interior flattened flair of this tiny vessel. The estimated diameter was only 8 centimeters. There were no markings on the exterior walls of either. This is similar in size to very small burial related vessels from other Lamar sites in the Oconee Valley. On the other hand, this may be a small vessel made or used by a child.

Vessel Fragment 4 is quite similar in size to Fragment 3. This is illustrated in Figure 28. Its diameter is only 7 centimeters. The form is of a Lamar jar. The surface is plain, and there are small vertical incisions below the lip around the perimeter of the rim. The function of this small vessel is unknown.

Vessel Fragments 5-7 are single large rims sherds classified as Lamar Incised. All are from cazuela bowls and are illustrated in Figures 29-31. Fragment 5 shows a design formed exclusively of straight lines in the overall form of triangular hachures. This fragment had an estimated diameter of 41 centimeters—the largest from the site. Fragment 6 shows alternating horizontal straight and pendant curved lines in a scroll pattern. This is a common Lamar style. The estimated diameter of this fragment was a large 38 centimeters. The number of lines in the design is about 12. Fragment 7 shows incised lines in a set of long diagonally placed swirls and curves. The estimated diameter of this fragment was 27 centimeters. All of these three designs have lines that are of medium width—between 1 and 2 millimeters.



The final fragment definable was the single fragment from Feature 3. This is illustrated in Figure 32, and represents another folded rim jar fragment. The rim is folded so far out that it is essentially flat – that is, it forms a flattened shelf-like effect about 1 centimeter wide. The exterior appears to be plain and the estimated vessel diameter was 27 centimeters.

Altogether, this collection is not particularly unusual for Lamar period sites in the Oconee Valley. The incised bowls and the folded rim jars are equally abundant. The presence of the two tiny vessels is a bit unusual, but not unheard of. The larger sizes of the incised bowls as compared to the jars is a bit unusual and perhaps noteworthy.

	Plain	Bold Incised	Medium Incised	Fine Incised	Complicated Stamped	Punctated	Punctated and Incised	Stamped and Incised	Cartersville Simple Stamped	Miscellaneous	Totals
Body	10717	338	1200	176	2512	57	34	8	8	58	15108
Rim	695	81	317	54	10	0	9	0	0	0	1166
Totals	11412	419	1517	230	2522	57	43	8	8	58	16274
Percent	70.12	2.57	9.32	1.41	15.50	0.35	0.26	0.05	0.05	0.36	

Table 1. Sherds from Excavation Units

	Bold Incised	Medium Incised	Fine Incised	Total
Body	338	1200	176	1714
Rim	81	317	54	452
Total	419	1517	230	2166
Percent	19.34	70.04	10.62	

Table 2. Incised Sherds from Excavation Units

Miscellaneous Ceramic	Total
Node	3
Bead	7
Blob	1
Tobacco Pipe Fragment	39
Lug Handle	3
Disk	4
Coil Fragment	1

Table 3. Miscellaneous Ceramic Artifacts from Excavation Units

Quartz	Number	Percent
Flake	1956	67.82
Shatter	869	30.13
Flake Tool	15	0.52
Hammerstone	1	0.03
Core	12	0.42
Biface	9	0.31
PPK	22	0.76
Total Quartz	2884	100.00

Table 4. Quartz Artifacts from Excavation Units

Coastal Plain Chert	Number	Percent
Secondary Flake	5	2.96
Secondary Flake HT	8	4.73
Tertiary Flake	88	52.07
Tertiary Flake HT	37	21.89
Shatter	12	7.10
Flake Tool	4	2.37
Biface	1	0.59
PPK	14	8.28
Total Coastal Plain	169	100.00

Table 5. Coast Plain Chert Artifacts from Excavation Units

Projectile Points	Quartz	Coastal Plain Chert	Ridge / Valley Chert	Piedmont Chert	Metadacite	Totals
Early Archaic	1	0	0	0	0	1
Middle Archaic	4	1	0	1	0	6
Late Archaic	1	2	0	1	1	5
Woodland	3	1	1	0	0	5
Mississippian	7	3	0	0	0	10
Unknown, Tips, etc.	6	7	0	0	0	13
Totals	22	14	1	2	1	40

Table 6. Projectile Points by Period and Material.

Weights	Grams
Limestone	9.81
Hematite	677.48
Bone	23.36
Shell	28.03
Daub	26,143.45
Unmodified Rock	126,593.00
Sherds > 1/2 inch	73,446.94
Sherds < 1/2 inch	16,594.89
Total Sherd Weight	89,652.83

Table 7. Miscellaneous Artifact Weights from Excavation Units



Figure 24. Vessel Fragment 1.



Figure 25. Vessel Fragment 2.

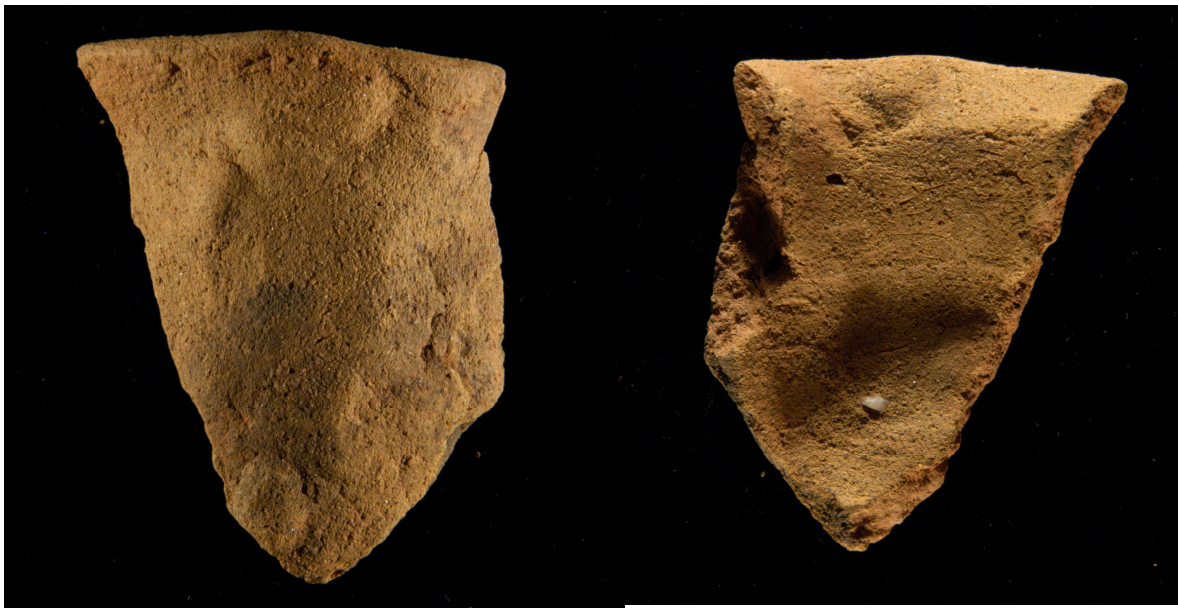


Figure 26. Vessel Fragment 3. (Exterior and Interior)



Figure 27. Vessel Fragment 4.



Figure 28. Vessel Fragment 5.



Figure 29. Vessel Fragment 6.



Figure 30. Vessel Fragment 7.



Figure 31. Vessel Fragment 8.



## Artifact Distributions

This section is based upon a series of maps presented as Figures 24-35. These are based directly upon the artifact data from the 87 excavation squares from the site. These data are presented in the appendices to this report. All the maps were created using the program Surfer from Golden Software. The data by category is presented in each map with a series of scaled green dots by square that show the relative quantity by square. In short, the larger the green dot, the greater the amount of artifacts in that square and vice-versa. The locations of the three defined structures are shown on all the density maps, and the differential distributions are discussed with respect to these structures. It is noteworthy here that, even though the site was likely plowed from ca. 1800 until ca. 1900 and had a top soil only just over 10 centimeters thick, there are patterns that are reasonable interpretable. It seems likely that the artifacts have moved very little horizontally during the historic period. The summit of the ridge is reasonable flat, but I am still happily shocked that the patterns to be presented here are as clear and useful as they are.

The first pattern presented here in Figure 24 is the density of all ceramics by weight. As can be seen, the area of highest density is in the southeastern part of the main excavation block. This covers the area of Structure 3 and the area to the south of it. This area of high sherd density was identified originally with the shovel tests from 2004 and this high density led us to place our initial excavations on the site here. The area of Structure 1 appears to have the lowest overall density of sherds,

while the area of Structure 2 also seems only minimally associated with ceramics. The area of densest sherds is not centered on Structure 3, however, it seems to expand to the south of it.

I present four additional figures for the density of ceramics from the site. Figures 25 and 26 present the distribution of sherds greater than  $\frac{1}{2}$  inch and less than  $\frac{1}{2}$  inch, again by weight. This was done because this cut in the data was readily available since we only conducted type analysis on sherds greater than  $\frac{1}{2}$  inch, and simply weighed the sherds less than  $\frac{1}{2}$  inch. Figures 27 and 28 present the same data after the numbers were squared mathematically. This non-linear treatment helps bring out patterns in the data distribution. The patterns for the two sizes are certainly similar to the overall pattern presented in Figure 24, and are quite similar to each other also. There are some subtle differences, however. With reference to Figures 27 and 28, the distribution of both is clearly associated with Structure 3. The distribution of sherds less than  $\frac{1}{2}$  inch is slightly tighter in distribution, and does not extend quite as far north as do the sherds greater than  $\frac{1}{2}$  inch. Smaller sherds should be an indicator of trampling. The patterns are so similar, however, that I cannot comfortably separate them behaviorally. The only curious pattern would suggest that Structure 3 should be ca. 2 meters south of the current suggestions. It would then perfectly overlap the highest area of sherds density. In any event, these data still strongly suggest an association of Structure 3 with ceramics and thus likely a cooking shed.

The distribution of tobacco pipe fragments by number is presented in Figure 29. As stated earlier, these were not common at the Monroe site, in comparison to mound centers and other ceremonial sites, but they were present. The distribution is not at all similar to the overall ceramic pattern just discussed. In fact, the pattern seems to be a random one. There is a slight increase from the southern edge of Structure 3 to the south, but not a compelling pattern. Overall, this implies that the use of, or at least the loss of tobacco pipes was universal over the site. There was no single spot in the farmstead for the use of tobacco.

Figure 30 shows the distribution by weight of the very small amount of animal food bone by weight located in the excavation squares at the Monroe site. This pattern is different and compelling from the others presented thus far. First, it should be noted that it is rather miraculous that any animal bone could be recovered from a plow zone site using  $\frac{1}{4}$  mesh screens. Clearly we were not expecting to recover animal bones from this shallow plowed site. The distribution is clearly limited to the extreme southern end of the main excavation block. Note that the distribution is not associated with Structure 3, but the area south of it. One likely interpretation of this pattern is that food remains were thrown to the south of the cooking area. In other words this was likely a dump area away from the main house and cooking shed. An alternate possibility, less likely, is that this was a butchering and food preprocessing area.

The distribution of mollusk shell fragments by weight (*Elliptio*) is shown in Figure 31. It is very surprising that such material was found in the plow zone at this

site, although the quantity, again, was minimal. Such shells tend to dissolve quickly in the acid soils of Georgia, and their presence in topsoil usually implies the close proximity of a feature with such shells included in quantity. The discovery of small amounts of shell in the original square excavated in 2004 at the site was the main reason this area was selected to begin our 2005 excavations. Indeed, I hoped we would quickly locate a feature in this area – but we did not. The distribution as shown in Figure 31 is very similar to the distribution of animal bones in the previous figure. I believe this supports the idea of this area south of Structure 3 being a refuse disposal area. The distance south of Structure 3 is not far however, only about 4 meters. This distance is not far enough away to remove the smells of rotting food debris from the center of the farmstead, obviously. Thus the tossing of the food debris away from the probable cooking area was likely simply a way of keeping bones and shells out from underfoot, rather than a formal “cleaning” activity.

The distribution of what we recorded as daub fragments (by weight) is presented in Figure 32. The fragments recovered, while reasonably common, were very small in size. This is to be expected since the preservation of large fragments in the plow zone would not be expected. The distribution in the figure is difficult to explain. The highest density area is in the southwestern part of the large block, where no post molds or structures are defined. There is a single high-density square in the northwestern part of the block near Structure 2, but the squares around it are low in daub density. The area of Structure 1 seems very low in daub density.

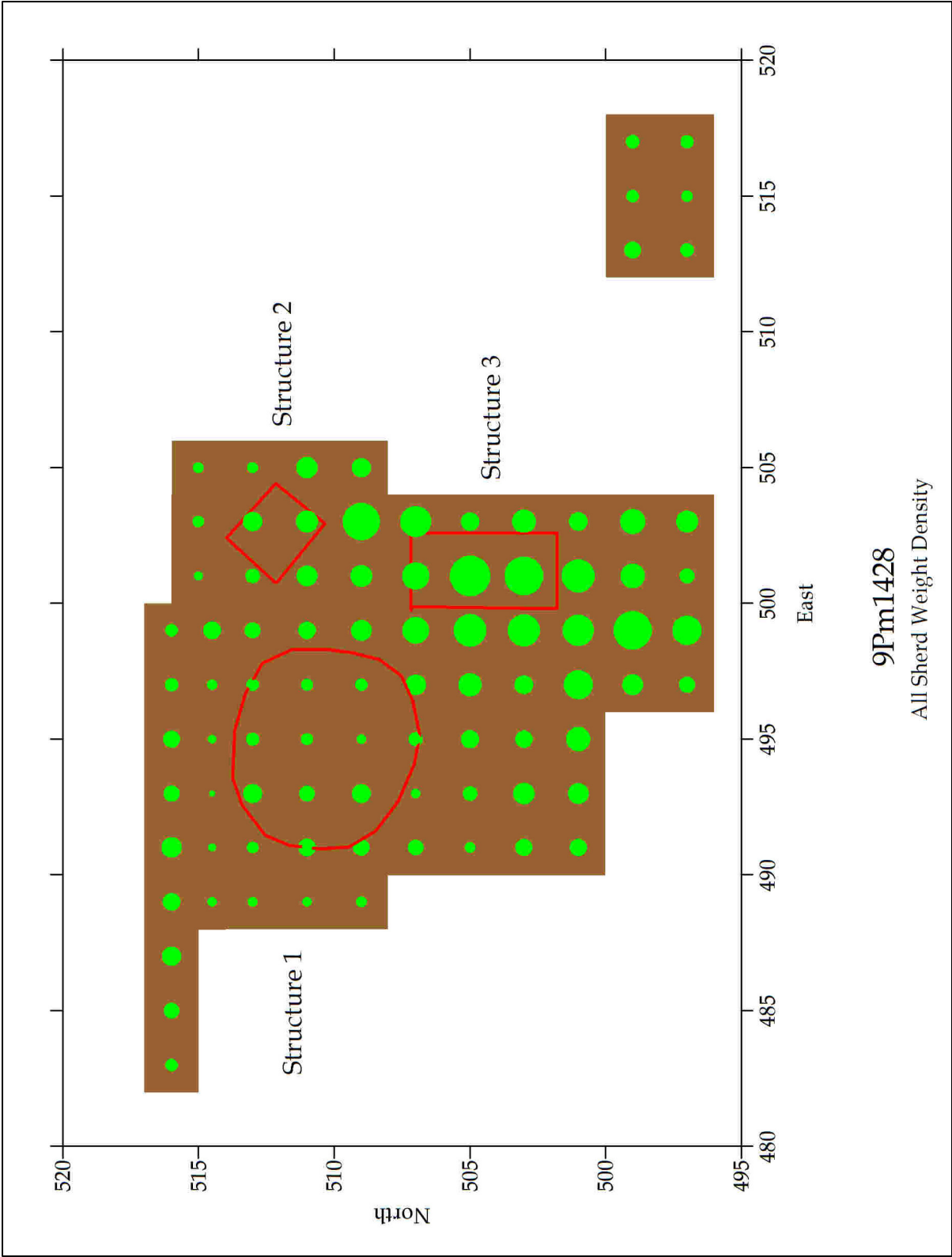
Added together, and given the very small size of the clay lumps that we have segregated as “daub” gives me great pause as to the reality of this categorization. Maybe our daub is simply natural clay lumps. I do not like this suggestion much since the lumps do seem to have been fired. Perhaps they are better associated with clay artificially hardened from shallow fire pits or cooking pits placed in the yard of the farmstead rather than from accidentally fired wall daub. Indeed, as pointed out earlier, there is no indication that any of the structures from the site had burned. If this was the case, there would be little or no artificially fired wall daub located on the site anyway.

Figure 33 shows the density of red pebbles. This category of artifact seems to be strongly associated with the Piedmont of Georgia (Williams 1995), but they are known from the lower Savannah River also (personal communication, Jared Wood, 2006) . They are round river pebbles that are usually fired by direct contact with hot coals to a reddish color. The best available evidence is that they were used in cooking, perhaps as a way to stabilize conoidal bottomed Lamar cooking pots. The highest density is in association with Structure 3, the probable cooking shed. While this makes plenty of sense, the highest density actually seems to have been just northeast and southwest of the structure. It is also a bit confusing that they seem to be distributed in limited quantities over the entire site. These pebbles do not occur naturally on these hilltops and had to have been brought there by the occupants 500 years ago.

The distribution of the weight of unmodified rock (most granite and saprolite fragments) is shown in Figure 34. Although the rocks varied in size, all of these fragments were too small to have been modified and were simply the natural rocks that occurred in the soil on this hilltop. One would expect that these should have been rather evenly distributed by nature over the relatively flat summit of this ridge. They were not found this way, however, as shown in Figure 34. The area of highest density was to the south of Structure 3, while the area of lowest density was that of Structure 1, the main house on the site. The density around Structure 2 was also quite low. One possible interpretation of this overall pattern is one resulting from the sweeping of rocks from the area of the floor of Structure 1. No one wants exposed rocks in the floor of their home or the yard immediately outside it.

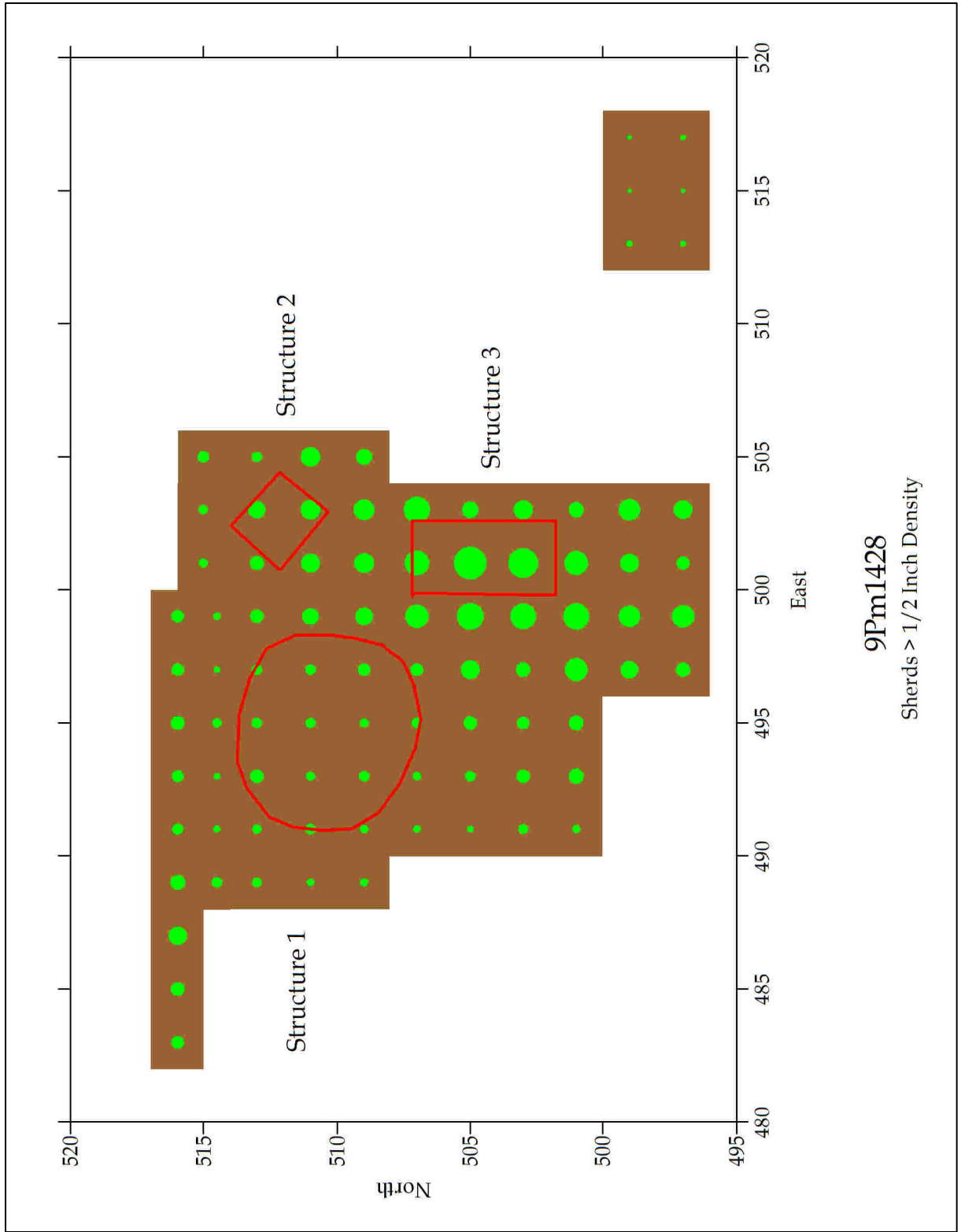
In this section of the Piedmont, repeated walking on unplowed topsoil causes rocks to be continually exposed. In my own yard in Oconee County, 20 years of normal foot traffic on the same path from the parking area to my door through a never plowed (tested) area of open woods, a distance of perhaps 20 meters, has exposed hundred of rocks that I have stumbled on, kicked at, and swept out of the way to either side. Further, the path has eroded some 10-12 centimeters and come down to the subsoil, all simply from daily foot traffic. I have no idea where all the dirt went except it must have eroded out the ends of the path and/or removed by our shoes. In any event, it seems likely that the non-random pattern of unmodified rock at the Monroe site was a result of human activity on the farmstead, whether intentional or not.

The final map, Figure 35, shows the distribution of early 19<sup>th</sup> century artifacts from the site. We did not locate the foundations of the house or any features, but it is clear that the structure, perhaps a log cabin or shack was not located far from the area of our excavations. The proximity to the road through the site as discussed earlier, is perhaps not accidental. The house may have been on the side of the road. The pattern is pretty random, although the quantity seems to be increasing to the north. It is interesting that the 19<sup>th</sup> century occupation does not seem to have much disturbed the Lamar occupation.

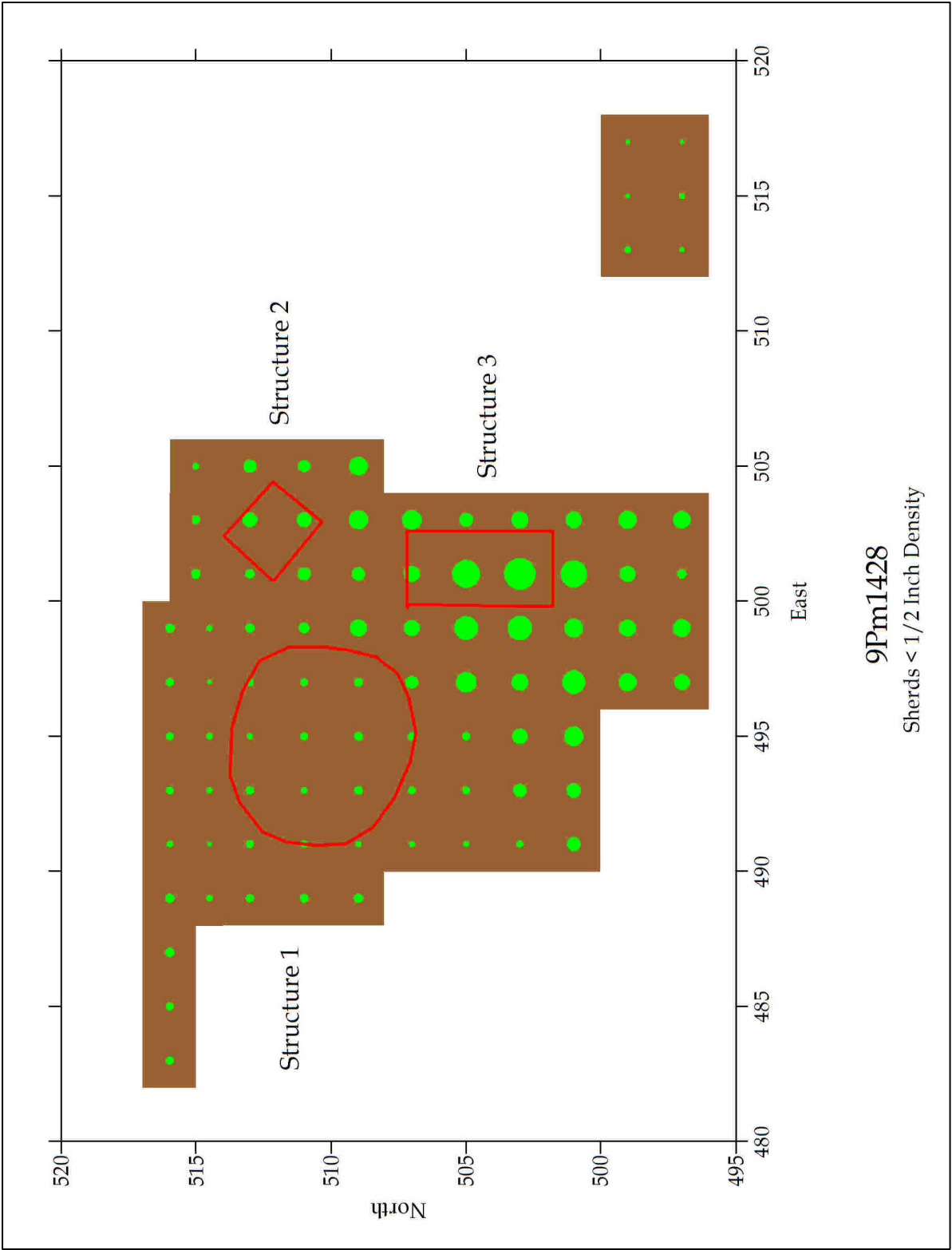


**Figure 24.** Density of All Sherds.





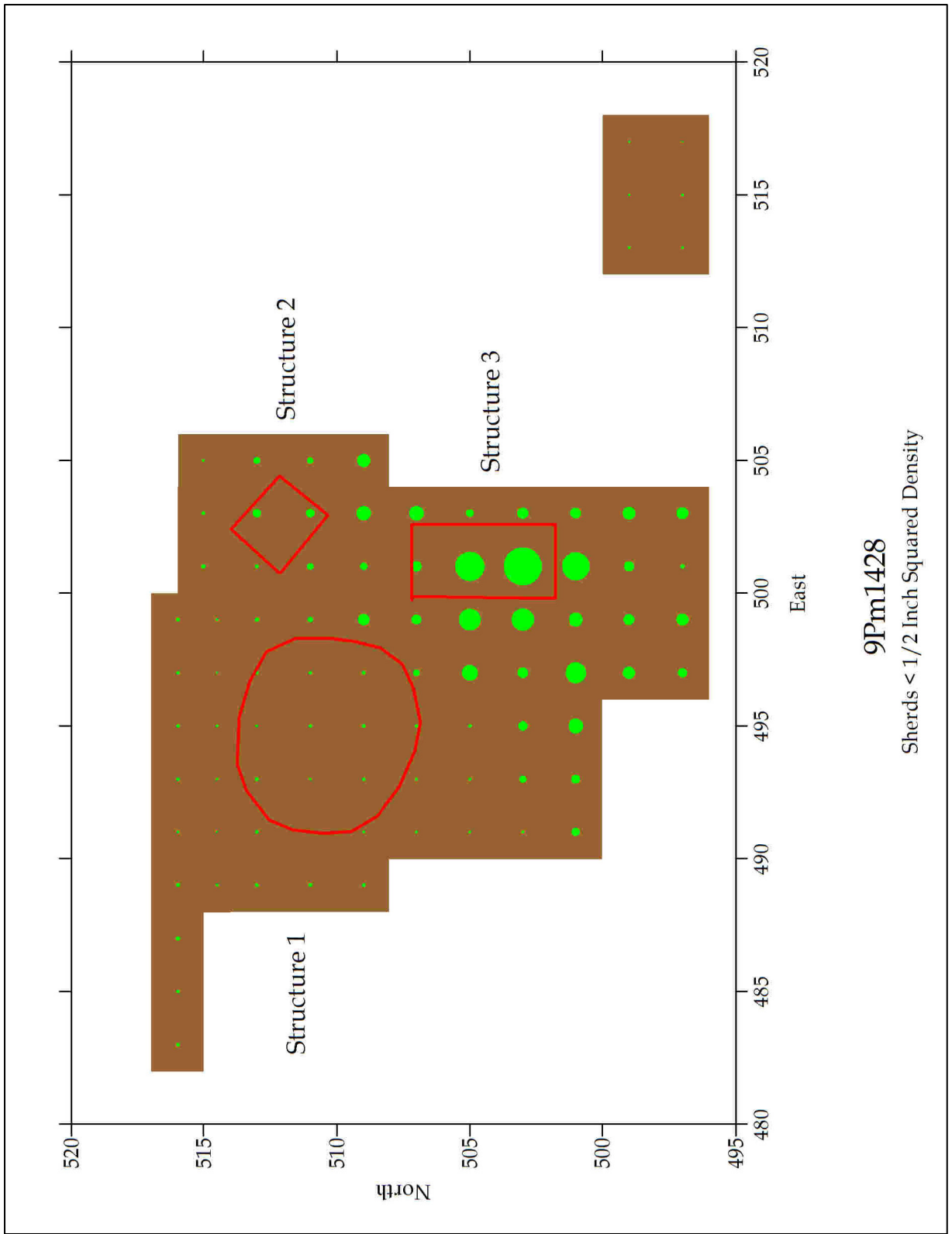
**Figure 25.** Density of Sherds > 1/2 Inch.



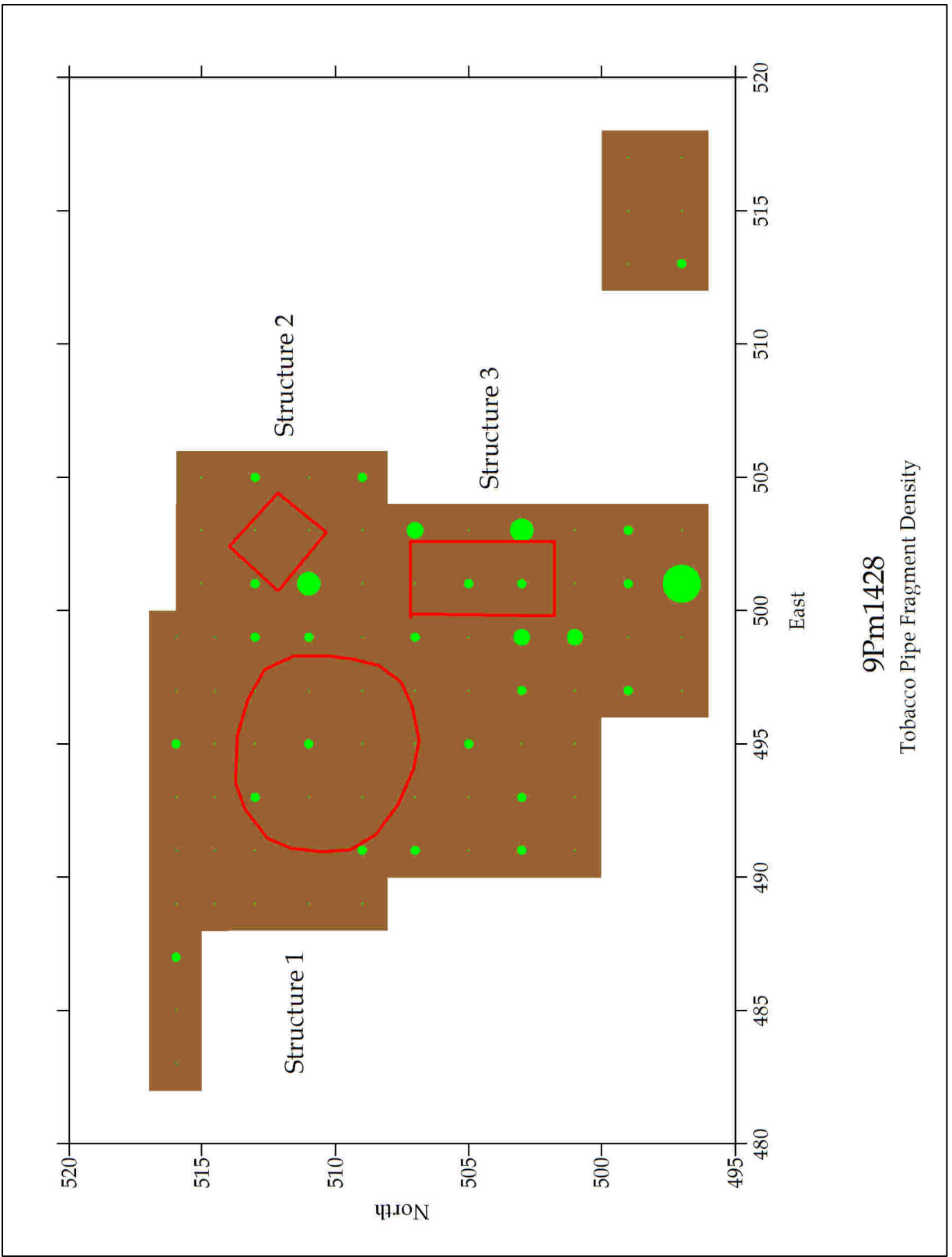
**Figure 26.** Density of Sherds < 1/2 Inch.



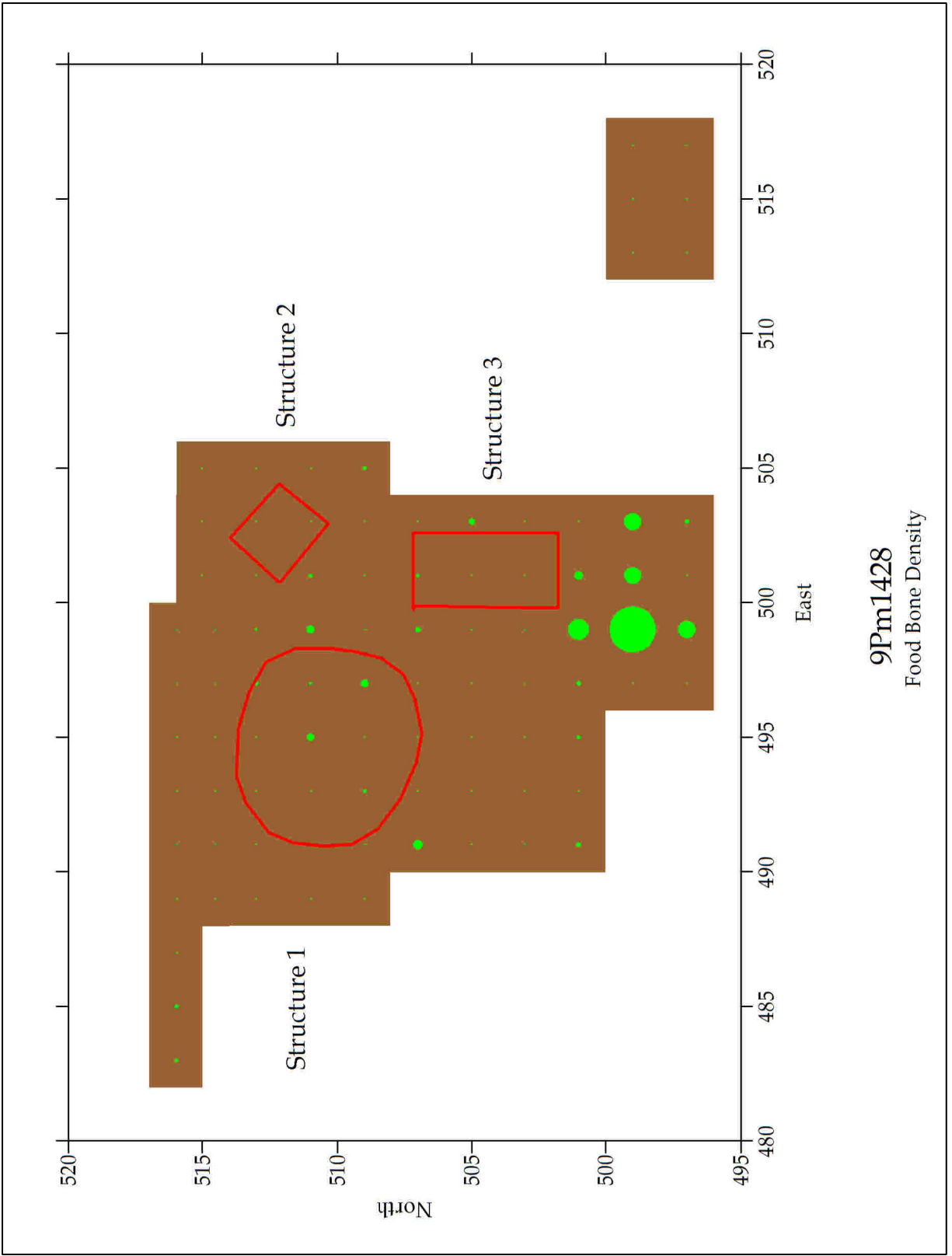
**Figure 27.** Density of Sherds > 1/2 Inch (Squared).



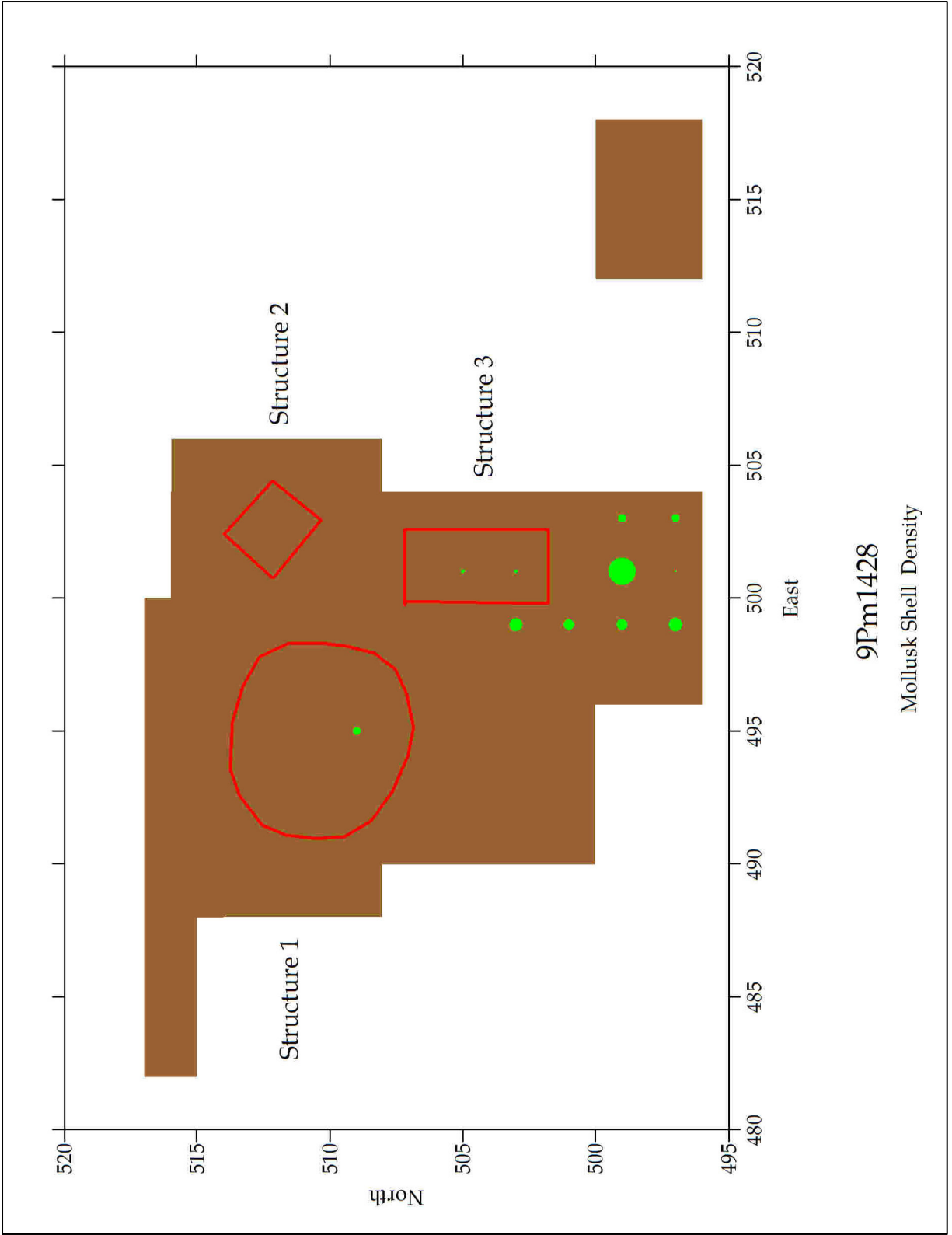
**Figure 28.** Density of Sherds < 1/2 Inch (Squared).



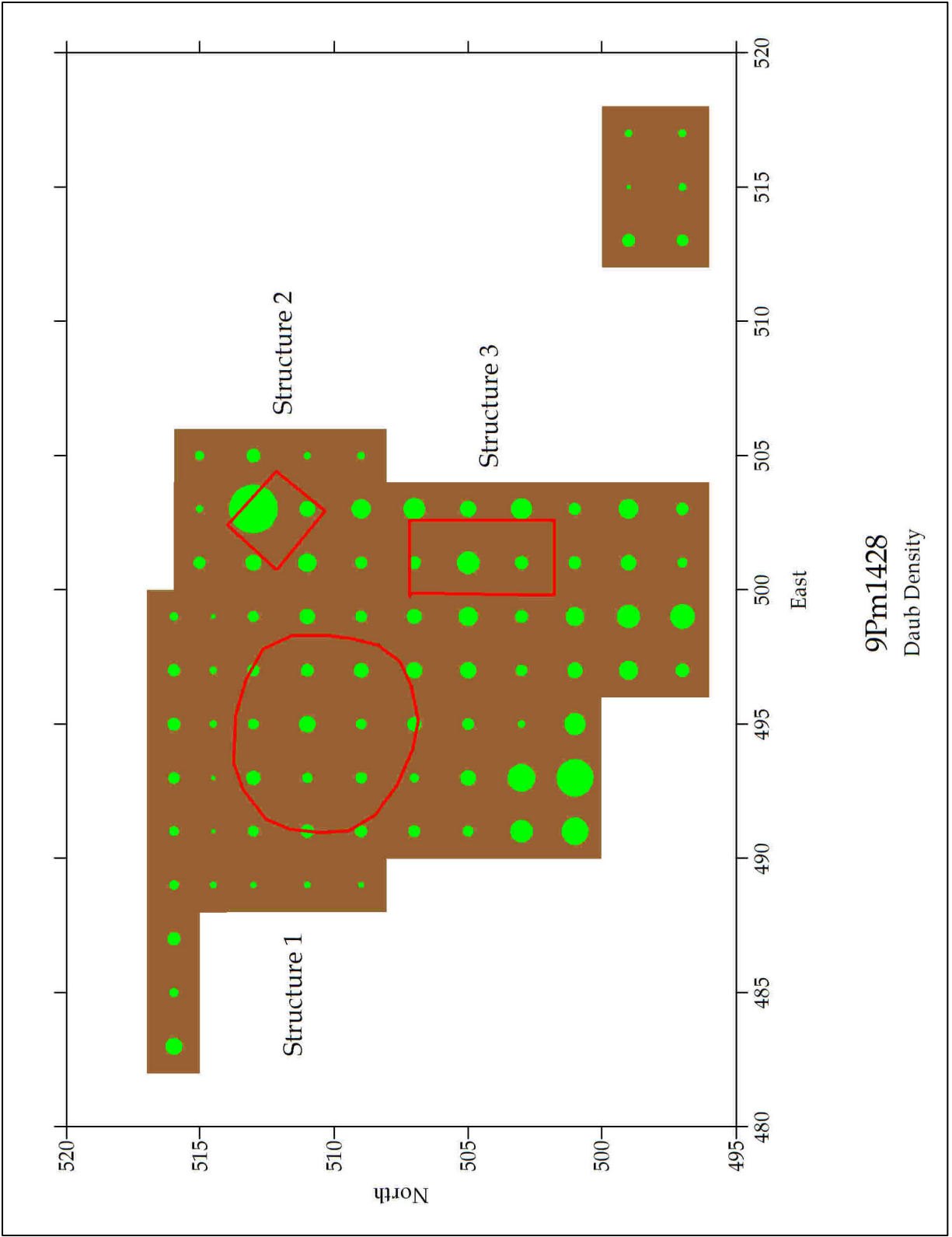
**Figure 29.** Density of Tobacco Pipe Fragments.



**Figure 30.** Density of Animal Bones.

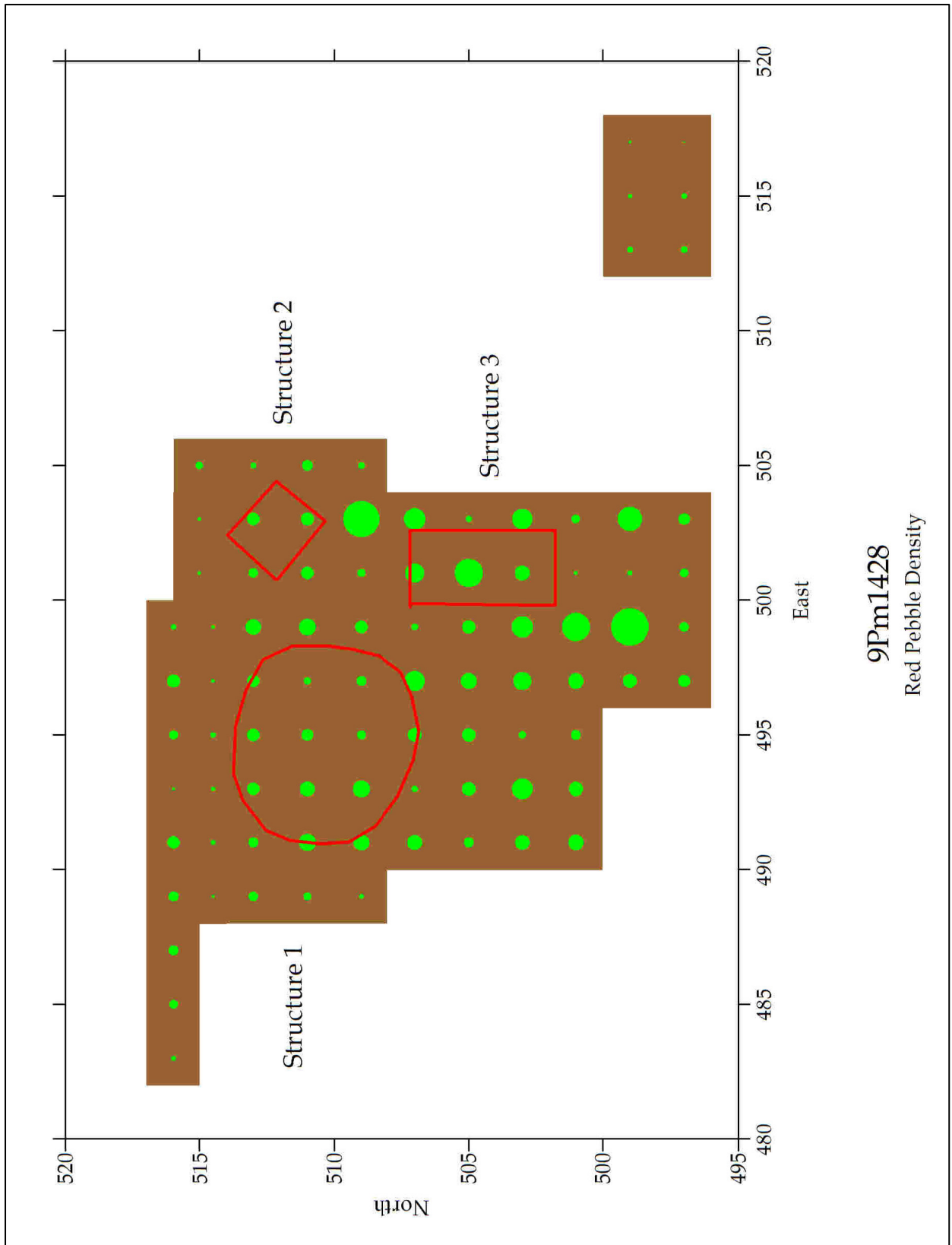


**Figure 31.** Density of Mollusk Shell.

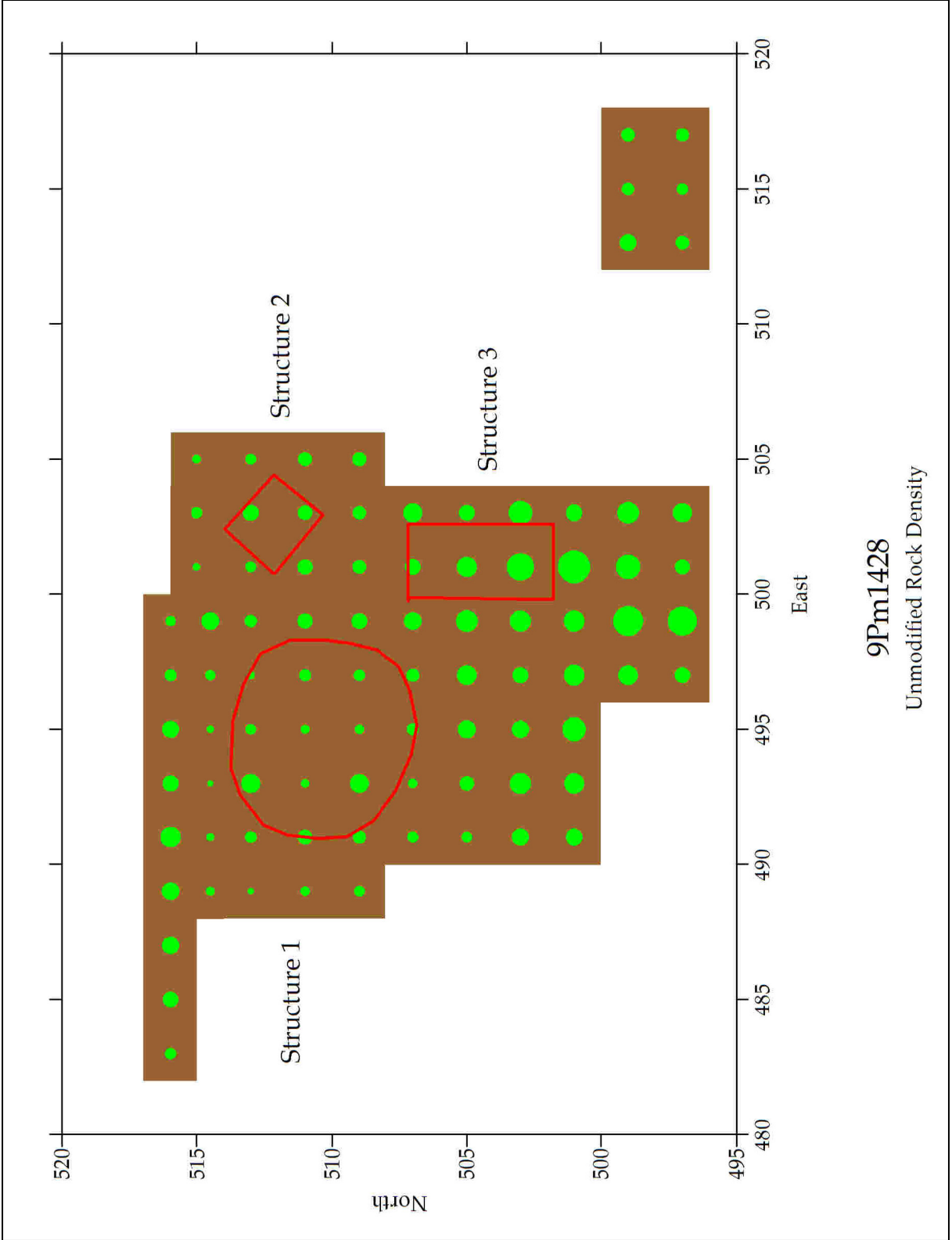


**Figure 32.** Density of Daub.

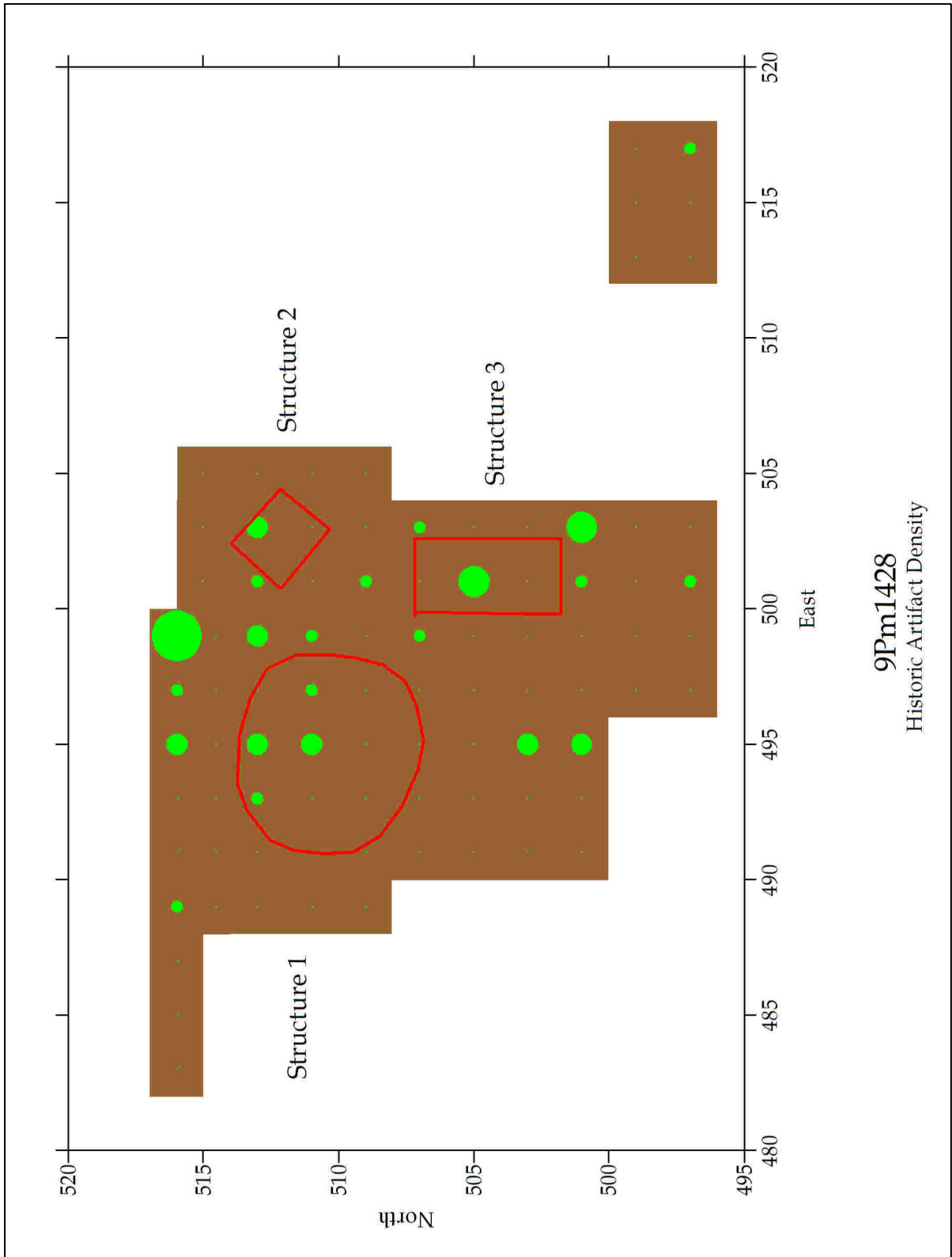




**Figure 33.** Density of Red Pebbles.



**Figure 34.** Density of Unmodified Rock.



**Figure 35.** Density of Historic Artifacts.

## Summary and Conclusions

This report presents evidence of a small late Mississippian Lamar farmstead that was hand excavated, without the aid of any earth moving equipment. This is the first such site excavated in this manner in the Oconee Valley. All prior such sites have been stripped with either road graders or back hoes. The advantage to doing the work by hand is that the densities of all artifacts by excavation unit can be mapped, and that has been most successful at the Monroe site. The downside of digging a site in this manner, is the obvious requirement of the huge amount of human labor needed to conduct such an operation, and the UGA students are to be highly commended for their immense effort to this end.

We defined three structures at the site, all recognized as post patterns in the shallow red clay soil at the site. Structure 1 was probably a round structure about 7.5 meters in diameter that likely represented the main house for the family living at this small farmstead. Structure 2 was a very small (ca. 2.5 meters) square or rectangular structure that may have been a small storage building or corn crib. Finally, Structure 3 was a rectangular building, about 6 by 3 meters in size, that was likely a kitchen or cooking shed.

The patterns of distribution of artifacts from the excavations make it clear that the majority of the cooking occurred in and just west of Structure 3. This implies that the front of Structure 3 was to the west. Indeed, this side of the building may have been completely open. Presumably the building was a partially sheltered location for cooking

out of the direct sun and on inclement days as well. On clear days, cooking may have also taken place in front of the shed as well. The disposal of some of the food garbage and broken vessel fragments was a short toss to the south from this location.

It appears likely that the people living here swept loose rocks from the area of the floor of Structure 1, the main living quarters. The smoking of tobacco took place all over the site. The only 3 features on the site were filled with small amounts of trash, and probably were originally pits dug into the red clay for the manufacture of daub. It is noteworthy that there were 3 features and 3 structures at the site.

There were no human burials discovered at the site. This may suggest that the site was not occupied for a long period, perhaps less than 10 years. The presence of many other sites in the neighborhood at the same time is very interesting, and clearly the family living at the Monroe site had close relationships with the other families, and there is a good possibility that these included kinship ties.

The presence of a moderate amount of fine and medium incised pottery may imply that the occupation at Monroe was late in the history of the occupation of the Little River valley. Indeed, it may be that when the occupants left this site they moved completely away from this area. In any event, the Monroe site is helping us understand this community from the northern fringe of the Little River valley and the western edge of the larger Oconee Valley.

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## Appendix 1 Topographic Data

Number	North	East	Elevation
1	510.00	500.00	100.38
2	479.95	500.00	99.97
3	497.93	501.98	100.47
4	497.97	500.00	100.50
5	499.95	500.01	100.45
6	499.96	501.96	100.48
7	496.53	498.81	100.45
8	494.11	496.39	100.34
9	493.83	495.05	100.33
10	500.13	493.94	100.42
11	499.94	489.96	100.47
12	499.56	484.65	100.36
13	504.10	490.37	100.38
14	507.33	495.08	100.42
15	504.76	498.67	100.45
16	503.52	500.98	100.47
17	502.26	503.26	100.46
18	499.91	503.27	100.48
19	500.25	500.83	100.46
20	500.02	497.21	100.52
21	499.87	495.18	100.45
22	500.14	493.19	100.39
23	500.42	491.40	100.38
24	498.34	490.74	100.15
25	498.24	492.45	100.35
26	494.48	497.06	100.36
27	491.67	497.61	100.02
28	491.72	495.50	99.91
29	490.44	494.26	99.72
30	488.51	495.11	100.01
31	487.89	493.57	99.79
32	488.41	499.84	99.46
33	490.16	490.33	99.49
34	491.49	489.88	99.78
35	492.11	487.58	99.35
36	494.04	487.10	99.63
37	494.96	485.31	99.80
38	498.28	483.83	100.13
39	494.76	481.42	99.85
40	494.02	478.62	99.62
41	498.69	478.38	99.81
42	501.67	478.66	100.21
43	505.31	476.50	99.85
44	505.93	479.99	100.16
45	507.94	478.51	100.08
46	500.34	502.66	100.46
47	501.51	505.74	100.45
48	503.87	507.87	100.33
49	503.66	512.19	100.42
50	509.85	509.17	100.14
51	495.76	514.01	100.51
52	495.69	520.37	100.25

Number	North	East	Elevation
53	490.69	519.87	100.34
54	494.46	513.74	100.50
55	498.58	510.80	100.47
56	500.91	519.71	100.32
57	506.17	521.59	100.19
58	517.88	516.08	99.90
59	493.43	506.71	100.21
60	492.05	510.77	100.33
61	498.37	506.59	100.17
62	490.16	502.94	100.34
63	486.71	504.83	100.31
64	484.31	500.27	100.08
65	477.34	500.71	99.86
66	479.68	503.71	100.02
67	480.23	507.59	100.00
68	483.91	506.65	100.06
69	487.17	505.57	100.17
70	490.57	504.64	100.41
71	491.88	505.52	100.39
72	489.09	507.28	100.05
73	489.12	507.33	100.05
74	488.39	506.17	100.16
75	487.07	508.52	100.00
76	495.72	505.15	100.46
77	498.79	505.34	100.48
78	501.08	505.98	100.44
79	502.16	506.86	100.44
80	504.79	491.25	100.43
81	508.28	489.72	100.41
82	510.65	490.05	100.41
83	513.83	491.08	100.34
84	516.83	493.21	100.28
85	518.95	495.20	100.14
86	521.49	493.40	100.13
87	519.60	490.36	100.24
88	517.41	487.90	100.27
89	514.17	485.95	100.35
90	510.98	485.60	100.43
91	507.41	485.19	100.32
92	506.04	481.16	100.26
93	510.53	481.53	100.32
94	514.40	482.16	100.35
95	518.85	483.73	100.26
96	522.23	485.92	100.13
97	524.15	487.99	100.02
98	527.85	486.61	99.96
99	527.20	484.96	100.08
100	526.56	484.41	99.81
101	524.92	482.34	100.18
102	522.45	480.55	100.22
103	520.17	478.49	100.23
104	515.99	476.57	100.25

Number	North	East	Elevation
105	512.05	476.33	100.22
106	507.48	476.46	99.87
107	520.07	500.00	100.03
108	519.61	504.22	99.93
109	519.59	507.58	99.78
110	517.74	510.05	99.96
111	513.88	508.91	99.96
112	515.64	507.69	99.88
113	517.47	506.38	99.84
114	519.01	508.35	99.95
115	522.29	509.82	99.82
116	521.09	512.62	99.70
117	518.00	515.86	99.89
118	520.99	518.59	99.75
119	524.20	516.10	99.64
120	527.81	513.61	99.48
121	530.78	511.03	99.54
122	532.71	508.39	99.51
123	534.77	505.05	99.31
124	520.21	502.91	99.97
125	522.31	499.71	99.96
126	524.12	495.15	100.00
127	524.61	492.31	99.94
128	523.47	488.03	100.08
129	524.14	488.90	99.88
130	529.36	491.52	99.86
131	530.06	494.09	99.81
132	529.38	490.35	99.80
133	527.98	497.50	99.82
134	529.26	507.01	99.60
135	529.57	503.35	99.54
136	530.98	511.31	99.49
137	527.40	516.05	99.52
138	523.31	515.53	99.72
139	521.93	517.97	99.72
140	521.19	519.98	99.74
141	526.54	518.77	99.53
142	527.96	521.56	99.39
143	532.20	518.04	99.31
144	533.78	516.50	99.25
145	534.61	513.22	99.27
146	533.53	508.81	99.53
147	534.64	505.11	99.36
148	532.80	503.44	99.43
149	527.93	499.35	99.82
150	485.86	479.22	98.87
151	486.62	477.98	98.72
152	483.42	484.37	98.90
153	484.67	477.21	98.87
154	489.76	474.91	98.88
155	491.48	473.39	99.19
156	488.44	473.53	98.74

Number	North	East	Elevation
157	482.70	472.80	98.08
158	479.60	478.45	98.57
159	481.27	483.20	98.75
160	481.01	484.23	98.78
161	480.94	485.64	98.94
162	479.69	487.70	99.05
163	478.55	490.56	99.46
164	477.98	493.44	99.73
165	507.52	498.74	100.43
166	509.04	497.48	100.36
167	510.85	496.82	100.36
168	512.41	498.50	100.34
169	512.94	500.23	100.35
170	512.06	501.71	100.29
171	510.64	502.51	100.32
172	508.59	501.96	100.38
173	507.58	501.02	100.40
174	501.74	458.17	98.88
175	504.80	457.54	99.01
176	507.79	458.03	99.28
177	512.05	459.42	99.62
178	517.53	459.61	99.77
179	520.98	459.67	99.86
180	526.21	459.79	99.93
181	527.93	462.63	100.01
182	530.98	463.61	99.98
183	531.87	466.69	99.89
184	532.68	470.13	99.86
185	534.17	473.41	99.78
186	536.39	477.25	99.60
187	539.41	475.86	99.51
188	538.36	472.85	99.59
189	536.60	470.64	99.69
190	534.82	467.39	99.75
191	532.77	465.13	99.90
192	527.63	462.86	100.01
193	525.01	462.31	99.91
194	522.81	460.48	100.00
195	520.06	459.04	99.82
196	517.35	458.89	99.75
197	513.50	459.20	99.69
198	511.00	459.04	99.54
199	499.84	490.56	100.38
200	498.92	491.95	100.39
201	498.00	493.24	100.34
202	497.22	491.14	100.06
203	498.36	490.19	100.03
204	498.39	489.47	100.01
205	499.12	489.15	100.24
206	517.63	515.12	99.91
207	511.16	519.87	100.08
208	506.42	520.16	100.17
209	510.41	524.85	99.88
210	514.56	525.20	99.84
211	517.40	523.50	99.71
212	512.47	529.71	99.72

Number	North	East	Elevation
213	522.47	521.12	99.63
214	488.83	510.32	100.18
215	487.01	508.84	100.02
216	490.16	513.50	100.40
217	492.27	515.60	100.40
218	491.66	516.43	100.38
219	490.29	516.99	100.35
220	487.00	514.39	100.27
221	484.78	512.53	100.20
222	483.61	516.46	100.17
223	490.56	486.11	99.32
224	491.15	483.63	99.75
225	488.04	484.62	99.15
226	533.90	499.95	99.56
227	536.53	491.06	99.59
228	530.75	482.32	100.02
229	527.99	476.77	100.05
230	521.82	475.18	100.19
231	517.82	471.41	100.15
232	511.03	469.48	99.79
233	504.79	471.60	99.53
234	506.62	467.02	99.53
235	501.12	476.02	100.05
236	497.50	478.08	99.60
237	494.86	478.13	99.72
238	488.87	474.45	98.73
239	492.31	482.05	99.98
240	507.92	488.30	100.33
241	506.43	490.13	100.36
242	500.20	491.64	100.33
243	504.15	493.35	100.18
244	503.32	494.55	100.29
245	502.72	495.90	100.34
246	502.34	497.78	100.32
247	502.36	499.74	100.37
248	502.98	502.24	100.35
249	502.97	502.25	100.35
250	503.92	504.42	100.22
251	505.60	506.86	100.20
252	506.74	508.30	100.11
253	498.25	509.31	100.52
254	502.49	508.67	100.30
255	506.87	508.49	100.12
256	513.10	508.49	99.92
257	516.02	508.12	99.75
258	520.90	507.42	99.72
259	527.39	506.10	99.46
260	533.36	504.86	99.35
261	537.62	504.79	99.31
262	543.15	502.94	99.20
263	549.98	503.08	99.04
264	556.65	503.73	98.86
265	496.47	508.68	100.27
266	491.86	508.78	100.04
267	488.23	508.16	100.05
268	503.89	515.54	100.34

Number	North	East	Elevation
269	510.08	515.11	100.21
270	514.79	514.95	100.04
271	499.96	514.99	100.47
272	485.39	490.01	99.40
273	485.21	488.71	99.15
274	484.95	494.84	99.90
275	484.63	485.02	99.01
276	486.84	483.59	99.16
277	492.16	475.17	99.19
278	490.55	476.82	98.99
279	492.01	471.94	99.21
280	493.39	472.80	99.60
281	491.19	469.31	98.66
282	494.67	470.54	99.36
283	501.21	470.79	99.41
284	499.52	465.11	99.02
285	504.82	465.23	99.43
286	508.80	464.82	99.65
287	510.41	463.98	99.58
288	520.86	466.84	100.13
289	523.80	466.26	100.04
290	525.52	469.38	100.09
291	534.63	492.54	99.67
292	537.94	533.69	98.51
293	535.99	536.75	98.13
294	495.24	465.62	98.89
295	494.73	469.16	99.42
296	478.95	515.11	99.89
297	479.10	519.45	100.02
298	478.42	525.04	99.76
299	483.68	515.79	100.14
300	484.42	525.07	100.00
301	482.59	526.85	99.46
302	489.70	524.19	100.28
303	494.79	524.52	100.31
304	499.22	524.91	100.03
305	504.42	524.86	100.18
306	510.17	490.85	100.40
307	508.11	482.34	100.34
308	506.85	472.33	99.65
309	501.87	490.08	100.40
310	502.73	480.03	100.27
311	491.14	489.88	99.71
312	492.89	479.72	99.54
313	481.24	489.38	99.44
314	470.26	500.82	99.55
315	460.03	501.15	98.55
316	470.50	491.26	98.80
317	460.02	491.81	98.25
318	461.20	510.28	99.19
319	472.15	510.87	99.51
320	473.27	518.23	99.60
321	479.15	510.07	99.89
322	479.41	519.22	100.01
323	489.40	510.21	100.17
324	490.41	519.83	100.36



Number	North	East	Elevation
325	490.16	530.77	99.77
326	498.78	510.77	100.45
327	501.02	520.23	100.33
328	500.61	530.92	99.89
329	510.44	510.41	100.18
330	509.12	520.74	100.11
331	509.90	531.62	99.83
332	520.16	511.11	99.94
333	521.05	521.53	99.66
334	523.29	530.89	99.28
335	530.75	498.91	99.72
336	531.50	510.57	99.48
337	531.73	521.14	99.23
338	530.30	530.75	98.97
339	541.28	499.70	99.39
340	542.00	511.57	99.05
341	543.53	520.22	98.55
342	541.52	531.52	98.38
343	540.83	488.62	99.34
344	541.53	478.30	99.38
345	541.20	466.74	99.53
346	529.49	488.32	99.81
347	527.55	477.16	100.05
348	525.98	466.32	100.03
349	524.59	455.41	99.82
350	523.89	444.34	99.46
351	523.39	433.32	98.93
352	520.96	488.94	100.17
353	521.58	478.07	100.24
354	522.16	467.37	100.06
355	517.84	456.82	99.54
356	514.40	444.10	98.92
357	507.80	459.59	99.28
358	507.75	448.96	98.72
359	495.48	451.96	98.21
360	489.98	494.02	99.65
361	500.58	484.83	100.32
362	510.73	494.96	100.49
363	510.52	485.68	100.37
364	508.68	477.27	100.01
365	519.31	495.26	100.13
366	519.29	483.04	100.25
367	514.82	484.24	100.31
368	514.14	490.24	100.35
369	505.53	495.55	100.49
370	504.76	500.30	100.47
371	506.13	489.75	100.41
372	505.29	485.62	100.39
373	504.56	481.28	100.25
374	514.89	477.41	100.28
375	499.54	493.14	100.36
376	510.00	510.00	100.22

## Appendix 2

### Shovel Test Basic Data

Shovel Test #	North	East	Elevation	Sherd Number	Sherd Weight
1	510.17	490.85	100.40	8	29.27
2	508.11	482.34	100.34	3	13.79
3	506.85	472.33	99.65	0	0.00
4	501.87	490.08	100.40	1	2.65
5	502.73	480.03	100.27	9	19.86
6	491.14	489.88	99.71	0	0.00
7	492.89	479.72	99.54	1	1.65
8	481.24	489.38	99.44	1	4.82
9	470.26	500.82	99.55	0	0.00
10	460.03	501.15	98.55	0	0.00
11	470.50	491.26	98.80	0	0.00
12	460.02	491.81	98.25	0	0.00
13	461.20	510.28	99.19	0	0.00
14	472.15	510.87	99.51	0	0.00
15	473.27	518.23	99.60	0	0.00
16	479.15	510.07	99.89	0	0.00
17	479.41	519.22	100.01	0	0.00
18	489.40	510.21	100.17	2	8.43
19	490.41	519.83	100.36	3	4.35
20	490.16	530.77	99.77	0	0.00
21	498.78	510.77	100.45	2	8.55
22	501.02	520.23	100.33	2	3.79
23	500.61	530.92	99.89	0	0.00
24	510.44	510.41	100.18	2	3.06
25	509.12	520.74	100.11	1	1.84
26	509.90	531.62	99.83	0	0.00
27	520.16	511.11	99.94	2	4.75
28	521.05	521.53	99.66	0	0.00
29	523.29	530.89	99.28	0	0.00
30	530.75	498.91	99.72	4	9.85
31	531.50	510.57	99.48	0	0.00
32	531.73	521.14	99.23	0	0.00
33	530.30	530.75	98.97	0	0.00
34	541.28	499.70	99.39	0	0.00
35	542.00	511.57	99.05	0	0.00
36	543.53	520.22	98.55	0	0.00
37	541.52	531.52	98.38	0	0.00
38	540.83	488.62	99.34	2	4.09
39	541.53	478.30	99.38	1	1.39
40	541.20	466.74	99.53	0	0.00
41	529.49	488.32	99.81	0	0.00
42	527.55	477.16	100.05	0	0.00
43	525.98	466.32	100.03	1	4.84
44	524.59	455.41	99.82	2	4.10
45	523.89	444.34	99.46	0	0.00
46	523.39	433.32	98.93	0	0.00
47	520.96	488.94	100.17	9	27.33

Shovel Test #	North	East	Elevation	Sherd Number	Sherd Weight
48	521.58	478.07	100.24	4	9.89
49	522.16	467.37	100.06	1	8.78
50	517.84	456.82	99.54	0	0.00
51	514.40	444.10	98.92	0	0.00
52	507.80	459.59	99.28	3	21.09
53	507.75	448.96	98.72	1	1.59
54	495.48	451.96	98.21	0	0.00
55	489.98	494.02	99.65	0	0.00
56	500.58	484.83	100.32	4	9.35
57	510.73	494.96	100.49	0	0.00
58	510.52	485.68	100.37	3	2.00
59	508.68	477.27	100.01	0	0.00
60	519.31	495.26	100.13	4	9.44
61	519.29	483.04	100.25	7	13.02
62	514.82	484.24	100.31	1	1.97
63	514.14	490.24	100.35	5	10.85
64	505.53	495.55	100.49	2	5.17
65	504.76	500.30	100.47	23	74.03
66	506.13	489.75	100.41	2	2.81
67	505.29	485.62	100.39	3	11.42
68	504.56	481.28	100.25	3	12.95
69	514.89	477.41	100.28	1	2.12
70	499.54	493.14	100.36	2	11.42
71	515.16	500.13	100.26	3	31.22
72	515.20	506.32	99.98	2	4.12
73	509.82	506.29	100.17	2	9.09
74	504.22	506.63	100.36	5	17.40
75	504.99	512.49	100.37	2	1.78
76	497.92	507.26	100.44	3	11.94
77	519.95	499.51	100.03	7	36.89
78	525.09	499.38	99.86	5	25.00
79	522.79	481.10	100.15	1	1.62
80	519.96	472.97	100.16	3	10.12
81	518.71	466.40	100.02	0	0.00
82	518.06	477.82	100.27	1	3.82
83	522.46	495.23	100.06	8	24.33
84	493.48	500.45	100.44	8	23.92
85	493.63	494.88	100.31	9	32.09
86	493.00	506.54	100.16	1	3.11
87	531.13	452.70	99.95	0	0.00
88	533.51	448.86	99.95	0	0.00
89	535.90	443.70	99.94	0	0.00
90	514.88	520.27	99.97	1	0.79
91	485.30	522.05	100.15	0	0.00
92	481.51	520.58	100.05	0	0.00
93	476.43	504.01	99.92	4	23.61

### Appendix 3 Shovel Test Ceramics

Shovel Test	Plain	Bold Incised	Medium Incised	Fine Incised	Complicated Stamped	Punctated and Incised	Body Totals	Simple, Plain Rim	Simple, Medium Incised Rim	Simple, Bold Incised Rim	Folded Pinched, Plain Rim	Rim Totals	Blob	Total Ceramic
1	0	0	0	1	3	0	4	0	1	1	1	3	0	7
2	3	0	0	0	0	0	3	0	0	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	0	0	0	1	1	0	0	0	1	0	2
5	2	0	1	0	1	0	4	0	0	0	1	1	0	5
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	1	0	1	0	0	0	0	0	0	1
8	0	0	0	0	1	0	1	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	0	1	0	1	0	4	0	0	0	0	0	0	4
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	1	0	2	0	0	0	0	0	0	2
19	3	0	0	0	0	0	3	0	0	0	0	0	0	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	1	0	2	0	0	0	0	0	0	2
22	1	0	0	0	0	0	1	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	0	0	0	0	1	0	0	0	0	0	0	1
25	1	0	0	0	0	0	1	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	2	0	0	0	0	0	2	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	2	0	0	0	2	0	4	0	0	0	0	0	0	4
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	3	0	0	0	0	0	3	0	0	0	0	0	0	3
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	2	0	0	0	0	0	2	0	0	0	0	0	0	2

Shovel Test	Plain	Bold Incised	Medium Incised	Fine Incised	Complicated Stamped	Punctated and Incised	Body Totals	Simple, Plain Rim	Simple, Medium Incised Rim	Simple, Bold Incised Rim	Folded Pinched, Plain Rim	Rim Totals	Blob	Total Ceramic
44	2	0	0	0	0	0	2	0	0	0	0	0	0	2
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	4	0	1	2	0	0	7	1	0	0	0	1	0	8
48	3	0	0	0	0	0	3	1	0	0	0	1	0	4
49	1	0	0	0	0	0	1	0	0	0	0	0	0	1
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	4	0	0	0	0	0	4	0	0	0	0	0	0	4
53	1	0	0	0	0	0	1	0	0	0	0	0	0	1
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	3	0	0	0	0	0	3	0	0	0	0	0	0	3
57	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	1	0	0	0	1	0	0	0	0	0	0	1
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	1	1	0	0	0	0	2	0	0	0	0	0	1	3
61	2	0	1	0	1	0	4	0	0	0	0	0	0	4
62	1	0	0	0	0	0	1	0	0	0	0	0	0	1
63	1	0	0	0	2	0	3	0	0	0	0	0	0	3
64	2	0	0	0	0	0	2	0	1	0	0	1	0	3
65	7	0	1	0	6	1	15	1	0	0	1	2	0	17
66	3	0	0	0	0	0	3	0	0	0	0	0	0	3
67	0	0	0	0	1	0	1	1	0	0	0	1	0	2
68	2	0	0	0	1	0	3	0	0	0	0	0	0	3
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	1	0	1	0	1
71	3	0	0	0	0	0	3	0	0	0	0	0	0	3
72	2	0	0	0	0	0	2	0	0	0	0	0	0	2
73	1	0	0	0	1	0	2	0	0	0	0	0	0	2
74	0	0	1	0	2	0	3	0	1	0	0	1	0	4
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	1	0	1	0	0	0	1	1	0	2
77	3	0	0	0	2	0	5	0	0	0	0	0	0	5
78	2	0	0	0	3	0	5	0	0	0	0	0	0	5
79	1	0	0	0	0	0	1	0	0	0	0	0	0	1
80	2	0	0	0	1	0	3	0	0	0	0	0	0	3
81	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	1	0	0	0	0	0	1	0	0	0	0	0	0	1
83	6	0	0	0	1	0	7	0	0	0	0	0	0	7
84	3	2	1	0	0	0	6	0	0	0	0	0	0	6
85	6	0	0	0	0	0	6	0	1	0	1	2	0	8
86	1	0	0	0	0	0	1	0	0	0	0	0	0	1
87	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	1	0	0	0	0	0	1	0	0	0	0	0	0	1

91	0	0	0	Shovel Test
92	0	0	0	
93	1	0	0	Plain
Sum	4	0	0	Bold Incised
	9	0	0	Medium Incised
	4	1	0	Fine Incised
	35	2	0	Complicated Stamped
	1	0	0	Punctated and Incised
	146	4	0	<b>Body Totals</b>
	5	0	0	Simple, Plain Rim
	4	0	0	Simple, Medium Incised Rim
	2	0	0	Simple, Bold Incised Rim
	5	0	0	Folded Pinched, Plain Rim
	16	0	0	<b>Rim Totals</b>
	1	0	0	Blob
	163	4	0	<b>Total Ceramic</b>

## Appendix 4

### Shovel Test Lithics

Shovel Test	Quartz Flake	Quartz Shatter	Quartz Flake Tool	Coastal Plain Secondary Flake, HT	Coastal Plain Tertiary Flake	Coastal Plain Tertiary Flake, HT	Piedmont Chert Flake	Piedmont Chert Uniface	Diabase Shatter	Total Flaked Stone
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0	1
5	1	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1
30	1	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0
36	5	0	0	0	0	0	0	0	24	29
37	0	0	0	0	0	0	0	0	0	0
38	6	2	0	0	0	0	0	0	0	8
39	0	0	0	0	0	0	0	0	0	0
40	1	5	0	0	0	0	0	0	0	6

Shovel Test	Quartz Flake	Quartz Shatter	Quartz Flake Tool	Coastal Plain Secondary Flake, HT	Coastal Plain Tertiary Flake	Coastal Plain Tertiary Flake, HT	Piedmont Chert Flake	Piedmont Chert Uniface	Diabase Shatter	Total Flaked Stone
41	0	0	0	0	0	0	0	0	0	0
42	5	2	0	1	0	0	0	0	0	8
43	0	0	0	0	0	0	0	0	0	0
44	2	1	0	0	0	0	1	0	0	4
45	0	0	0	0	0	0	0	0	0	0
46	1	3	0	0	0	0	0	0	1	5
47	0	0	0	0	0	0	0	0	0	0
48	1	0	0	0	0	0	0	0	0	1
49	0	0	0	0	1	0	0	0	0	1
50	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0
53	1	1	0	0	0	0	0	0	0	2
54	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0
56	1	3	0	0	0	0	0	0	1	5
57	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0
62	0	1	0	0	0	0	0	0	0	1
63	0	2	0	0	0	0	0	0	0	2
64	0	0	0	0	0	0	0	0	0	0
65	3	2	0	0	0	0	0	0	0	5
66	1	0	0	0	1	0	0	0	0	2
67	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0
71	0	1	0	0	0	0	0	0	0	1
72	1	0	1	0	0	0	0	0	0	2
73	0	2	0	0	0	0	0	0	0	2
74	1	1	0	0	0	0	0	0	0	2
75	0	1	0	0	0	0	0	0	0	1
76	1	0	0	0	0	0	0	0	0	1
77	2	3	0	0	0	0	0	0	0	5
78	2	2	0	0	0	0	0	0	0	4
79	1	3	0	0	0	0	0	0	0	4
80	1	2	0	0	0	0	0	0	0	3
81	1	0	0	0	0	0	0	0	0	1
82	0	2	0	0	0	1	0	0	0	3
83	1	6	0	0	0	0	0	0	0	7
84	4	6	0	0	0	0	0	0	0	10
85	0	1	0	0	0	0	0	0	0	1





## Appendix 5

### Shovel Test Miscellaneous Weights

Shovel Test	Hematite Weight	Red Pebbles (Counts)	Daub Weight	Unmodified Rock Weight	Sherds > 1/2 inch	Sherds < 1/2 inch	Total Sherd Weight	Heavy - Light Ratio
1	0.00	1.00	0.00	6.28	27.92	1.20	29.12	23.27
2	0.00	0.00	3.44	72.68	12.71	1.08	13.79	11.77
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
4	0.00	0.00	4.25	20.44	3.71	0.00	3.71	-
5	0.51	0.00	7.25	22.62	12.44	2.71	15.15	4.59
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
7	0.00	0.00	0.32	85.10	1.62	0.00	1.62	-
8	0.00	0.00	1.08	2.62	4.79	0.00	4.79	-
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
10	0.00	0.00	0.00	5.11	0.00	0.00	0.00	-
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
12	0.00	0.00	0.00	2.08	0.00	0.00	0.00	-
13	0.00	0.00	0.00	8.36	0.00	0.00	0.00	-
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
16	0.00	0.00	4.25	12.23	12.07	0.82	12.89	14.72
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
18	0.88	0.00	2.09	22.10	8.39	0.00	8.39	-
19	0.00	0.00	0.71	30.01	2.26	2.04	4.30	1.11
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
21	0.00	0.00	2.83	15.51	8.49	0.00	8.49	-
22	0.00	0.00	4.83	7.96	2.57	0.00	2.57	-
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
24	1.42	0.00	3.31	1.85	2.54	0.00	2.54	-
25	0.00	0.00	13.11	5.67	1.80	0.00	1.80	-
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
27	0.00	0.00	5.75	1.11	3.24	1.50	4.74	2.16
28	0.00	0.00	2.84	4.53	0.00	0.00	0.00	-
29	0.00	2.00	0.00	16.28	0.00	0.00	0.00	-
30	0.00	0.00	2.67	9.74	9.81	0.00	9.81	-
31	0.00	0.00	3.20	1.84	0.00	0.00	0.00	-
32	0.00	1.00	3.62	25.68	0.00	0.00	0.00	-
33	1.64	0.00	0.00	22.30	0.00	0.00	0.00	-
34	0.00	0.00	1.92	30.76	0.00	0.00	0.00	-
35	0.00	0.00	0.78	29.11	0.00	0.00	0.00	-
36	0.00	0.00	0.00	897.19	0.00	0.00	0.00	-
37	0.00	0.00	0.00	13.24	0.00	0.00	0.00	-
38	0.00	0.00	3.16	62.04	6.14	1.49	7.63	4.12
39	0.00	0.00	4.73	86.38	0.00	0.00	0.00	-
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
41	0.00	0.00	5.49	13.81	0.00	0.00	0.00	-
42	0.00	0.00	5.10	10.36	0.00	0.00	0.00	-
43	0.00	0.00	14.49	15.99	4.86	0.59	5.45	8.24
44	0.00	1.00	1.40	16.67	4.07	0.96	5.03	4.24

Shovel Test	Hematite Weight	Red Pebbles (Counts)	Daub Weight	Unmodified Rock Weight	Sherds > 1/2 inch	Sherds < 1/2 inch	Total Sherd Weight	Heavy - Light Ratio
45	0.00	0.00	0.00	15.26	0.00	0.00	0.00	-
46	0.00	0.00	6.10	123.64	0.00	0.00	0.00	-
47	0.00	2.00	5.60	114.42	26.74	0.36	27.10	74.28
48	0.41	0.00	4.70	22.47	7.82	1.98	9.80	3.95
49	0.00	0.00	2.38	6.81	8.69	0.00	8.69	-
50	0.00	0.00	1.24	45.33	0.00	0.00	0.00	-
51	0.00	0.00	0.00	10.39	0.00	0.00	0.00	-
52	0.00	0.00	1.84	151.67	20.96	0.88	21.84	23.82
53	0.00	0.00	0.21	70.64	1.51	0.00	1.51	-
54	0.00	0.00	0.00	1.79	0.00	0.00	0.00	-
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
56	0.79	0.00	1.17	13.43	11.37	2.16	13.53	5.26
57	0.00	0.00	4.00	35.86	0.00	0.00	0.00	-
58	0.00	0.00	0.00	0.00	0.00	1.92	1.92	0.00
59	0.00	0.00	0.00	8.40	0.00	1.03	1.03	0.00
60	0.00	0.00	0.27	7.62	8.28	1.87	10.15	4.43
61	0.00	0.00	4.25	12.23	12.07	0.82	12.89	14.72
62	0.00	0.00	1.46	8.49	1.89	0.00	1.89	-
63	0.00	1.00	3.14	10.44	0.00	2.12	2.12	0.00
64	0.00	2.00	7.48	16.16	5.12	1.24	6.36	4.13
65	0.00	0.00	7.81	22.79	68.34	10.32	78.66	6.62
66	0.00	0.00	4.18	6.76	2.71	0.24	2.95	11.29
67	0.00	0.00	7.37	35.57	10.69	0.00	10.69	-
68	0.00	3.00	3.13	214.71	12.14	0.55	12.69	22.07
69	0.00	2.00	3.19	15.74	2.02	2.19	4.21	0.92
70	0.00	0.00	4.49	9.43	10.28	0.98	11.26	10.49
71	0.00	0.00	1.87	71.38	31.03	0.00	31.03	-
72	0.00	0.00	0.55	15.48	4.01	0.00	4.01	-
73	1.08	2.00	0.95	11.46	9.00	0.82	9.82	10.98
74	0.00	0.00	4.27	8.92	15.61	3.09	18.70	5.05
75	0.00	1.00	1.93	1.19	0.00	1.98	1.98	0.00
76	0.00	1.00	0.91	9.76	11.06	0.69	11.75	16.03
77	0.32	0.00	1.72	4.44	35.02	1.95	36.97	17.96
78	0.00	0.00	10.13	1.90	24.78	0.00	24.78	-
79	0.48	0.00	4.20	3.76	1.53	0.00	1.53	-
80	0.00	0.00	3.57	12.19	9.98	0.00	9.98	-
81	0.00	0.00	1.93	177.69	0.00	0.25	0.25	0.00
82	0.33	0.00	3.91	57.81	3.70	0.54	4.24	6.85
83	0.00	0.00	2.67	16.12	22.74	1.54	24.28	14.77
84	1.26	0.00	1.30	7.66	22.90	0.31	23.21	73.87
85	0.00	0.00	6.18	22.43	31.02	3.12	34.14	9.94
86	0.00	0.00	0.00	4.62	3.03	0.00	3.03	-
87	1.13	1.00	2.99	0.00	0.00	0.00	0.00	-
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
89	0.00	0.00	3.44	27.67	0.00	0.00	0.00	-
90	0.00	0.00	5.38	2.24	0.79	0.00	0.79	-
91	0.00	0.00	0.00	0.39	0.00	0.00	0.00	-

	92		Shovel Test
	93	0.00	Hematite Weight
	10.90	0.65	Red Pebbles (Counts)
	21.00	1.00	Daub Weight
	236.65	2.12	Unmodified Rock Weight
	3025.78	10.97	Sherds > 1/2 inch
	589.87	23.61	Sherds < 1/2 inch
	55.34	0.00	Total Sherd Weight
	645.21	23.61	Heavy - Light Ratio
Sum	10.90	21.00	

**Appendix 6**  
Grid Locations of Excavation Squares

Square	North	East	North Center	East Center
1	496-498	498-500	497	499
2	496-498	500-502	497	501
3	496-498	502-504	497	503
4	498-500	498-500	499	499
5	498-500	500-502	499	501
6	498-500	502-504	499	503
7	500-502	494-496	501	495
8	500-502	496-498	501	497
9	500-502	498-500	501	499
10	500-502	500-502	501	501
11	500-502	502-504	501	503
12	502-504	494-496	503	495
13	502-504	496-498	503	497
14	502-504	498-500	503	499
15	502-504	500-502	503	501
16	504-506	494-496	505	495
17	504-506	496-498	505	497
18	504-506	498-500	505	499
19	504-506	500-502	505	501
20	506-508	498-500	507	499
21	506-508	500-502	507	501
22	508-510	498-500	509	499
23	508-510	500-502	509	501
24	498-500	512-514	499	513
25	498-500	514-516	499	515
26	498-500	516-518	499	517
27	496-498	512-514	497	513
28	496-498	514-516	497	515
29	496-498	516-518	497	517
30	515-517	482-484	516	483
31	515-517	484-486	516	485
32	515-517	486-488	516	487
33	515-517	488-490	516	489
34	515-517	490-492	516	491
35	515-517	492-494	516	493
36	515-517	494-496	516	495
37	515-517	496-498	516	497
38	515-517	498-500	516	499
39	506-508	494-496	507	495
40	506-508	496-498	507	497

Square	North	East	North Center	East Center
41	510-512	492-494	511	493
42	510-512	494-496	511	495
43	510-512	496-498	511	497
44	508-510	492-494	509	493
45	508-510	494-496	509	495
46	508-510	496-498	509	497
47	506-508	490-492	507	493
48	510-512	490-492	511	491
49	508-510	490-492	509	491
50	506-508	490-492	507	491
51	504-506	490-492	505	491
52	504-506	492-494	505	493
53	512-514	492-494	513	493
54	512-514	494-496	513	495
55	512-514	496-498	513	497
56	510-512	498-500	511	499
57	512-514	490-492	513	491
58	512-514	498-500	513	499
59	512-514	500-502	513	501
60	510-512	500-502	511	501
61	510-512	502-504	511	503
62	508-510	502-504	509	503
63	506-508	502-504	507	503
64	504-506	502-504	505	503
65	502-504	502-504	503	503
66	512-514	502-504	513	503
67	502-504	490-492	503	491
68	502-504	492-494	503	493
69	500-502	490-492	501	491
70	500-502	492-494	501	493
71	496-498	496-498	497	497
72	498-500	496-498	499	497
73	514-516	500-502	515	501
74	512-514	488-490	513	489
75	510-512	504-506	511	505
76	510-512	488-490	511	489
77	512-514	504-506	513	505
78	508-510	488-490	509	489
79	514-516	504-506	515	505
80	514-516	502-504	515	503
81	514-515	488-490	514.5	489
82	514-515	490-492	514.5	491
83	514-515	492-494	514.5	493

Square	North	East	North Center	East Center
84	514-515	494-496	514.5	495
85	514-515	496-498	514.5	497
86	514-515	498-500	514.5	499
87	508-510	504-506	509	505

## Appendix 7

### Body Sherds from Excavation Squares

Square	Plain	Bold Incised	Medium Incised	Fine Incised	Complicated Stamped	Punctated	Punctated and Incised	Stamped and Incised	Vining Simple Stamped	Body Totals
1	254	7	15	3	24	4	1	1	0	309
2	118	7	13	1	17	1	0	0	0	157
3	207	11	14	0	22	1	1	0	0	256
4	209	9	20	3	55	0	1	0	0	297
5	111	10	23	5	111	4	0	0	0	264
6	213	8	27	2	37	1	0	0	0	288
7	143	3	16	4	37	1	0	0	0	204
8	250	8	25	4	45	0	2	1	0	335
9	262	10	17	3	46	0	0	0	0	338
10	199	8	17	3	108	2	1	1	0	339
11	141	13	13	2	17	3	0	0	0	189
12	108	4	11	1	21	1	1	0	0	147
13	152	3	9	0	39	2	0	0	0	205
14	235	13	14	0	50	0	1	1	1	315
15	299	7	22	2	56	0	0	0	1	387
16	98	8	12	4	29	3	0	0	0	154
17	150	3	38	3	53	0	1	1	0	249
18	265	2	23	2	45	0	2	0	0	339
19	302	4	38	1	65	1	0	0	0	411
20	191	2	31	3	69	0	0	0	0	296
21	199	1	25	4	44	0	1	0	0	274
22	119	6	18	1	73	0	1	0	1	219
23	200	11	23	2	50	0	0	0	0	286
24	51	1	4	4	20	0	0	0	0	80
25	23	1	2	1	10	0	0	0	0	37
26	23	2	5	0	12	0	0	0	0	42
27	43	1	5	0	3	1	0	1	0	54
28	18	0	3	2	18	0	0	0	0	41
29	27	0	2	1	16	0	1	0	0	47
30	135	8	15	3	11	0	1	0	0	173
31	127	3	16	4	18	1	0	0	0	169
32	182	2	28	1	17	0	0	0	0	230
33	133	2	16	5	11	2	0	0	0	169
34	72	2	8	2	38	0	0	0	0	122
35	109	2	10	4	13	0	0	0	0	138
36	100	4	11	1	22	1	2	0	0	141
37	81	4	8	1	26	3	0	0	0	123
38	110	4	12	4	17	0	0	0	0	147
39	79	1	8	2	32	1	1	0	0	124
40	112	2	20	1	21	0	0	0	0	156
41	77	1	12	0	16	0	0	0	0	106
42	89	1	6	2	15	0	0	0	0	113
43	76	0	8	0	20	1	1	0	0	106
44	80	5	13	0	14	2	0	1	0	115

Square	Plain	Bold Incised	Medium Incised	Fine Incised	Complicated Stamped	Punctated	Punctated and Incised	Stamped and Incised	Vining Simple Stamped	Body Totals
45	59	2	3	1	41	1	0	0	0	107
46	92	3	10	6	30	0	0	0	0	141
47	70	1	7	2	14	0	0	0	0	94
48	101	3	7	2	9	0	0	0	0	122
49	60	1	19	1	17	0	1	0	0	99
50	46	0	4	1	15	0	1	0	0	67
51	43	2	9	1	16	0	0	0	0	71
52	80	4	5	1	17	0	0	0	0	107
53	125	1	23	1	24	1	0	0	0	175
54	61	5	4	2	49	0	0	0	0	121
55	88	3	15	3	20	0	1	0	0	130
56	140	6	9	0	33	1	1	0	0	190
57	111	5	8	0	18	0	0	0	0	142
58	101	2	14	5	39	1	0	0	0	162
59	129	5	11	3	15	1	2	0	0	166
60	203	6	21	6	17	1	1	0	0	255
61	182	7	13	4	20	0	2	0	0	228
62	193	6	17	2	34	1	0	1	0	254
63	234	6	22	2	70	3	1	0	0	338
64	149	5	25	3	28	1	0	0	0	211
65	166	1	11	1	45	2	0	0	0	226
66	172	8	6	5	33	1	0	0	0	225
67	82	3	6	2	18	3	0	0	0	114
68	128	2	12	0	30	0	1	0	0	173
69	69	8	19	4	19	1	1	0	0	121
70	156	3	13	6	22	0	0	0	0	200
71	131	3	11	2	30	0	0	0	0	177
72	160	12	25	0	37	0	0	0	0	234
73	84	2	8	3	20	0	0	0	0	117
74	83	0	11	0	13	0	1	0	1	109
75	141	2	17	1	50	0	0	0	0	211
76	63	0	17	0	17	0	0	0	0	97
77	80	1	15	0	36	0	0	0	0	132
78	63	1	5	0	7	0	1	0	0	77
79	89	0	9	1	23	0	0	0	0	122
80	83	2	14	1	12	0	0	0	0	112
81	87	0	9	2	11	0	1	0	0	110
82	56	1	12	4	7	0	0	0	0	80
83	66	2	4	0	5	0	0	0	0	77
84	85	2	13	1	5	1	0	0	0	107
85	35	4	12	0	18	1	0	0	0	70
86	59	2	8	2	9	0	0	0	0	80
87	140	2	21	4	36	1	0	0	0	204
Totals	10717	338	1200	176	2512	57	34	8	4	15046



## Appendix 8

### Rims Sherds from Excavation Squares

Square	Simple, Plain Rim	Simple, Fine Incised Rim	Simple, Medium Incised Rim	Simple, Bold Incised Rim	Simple, Punctated / Incised Rim	Simple, Stamped Rim	Folded Rim	Folded Pinched, Incised Rim	Folded Pinched, Plain Rim	Folded Notched, Plain	Folded Pinched, Stamped Rim	Flattened Lip	Incised T Rim	Bold Incised on Flat Lip	L Rim	Notched Lip	Flared Interior Incised Rim	Flared Rim	Other Rim	Rim Totals
1	4	1	5	3	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	17
2	1	0	1	1	0	0	0	0	8	0	0	0	0	0	0	0	0	1	0	12
3	1	0	5	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	10
4	3	1	8	2	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	21
5	4	2	9	3	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	22
6	5	1	3	6	0	0	0	0	14	1	0	0	0	0	0	1	0	1	0	32
7	1	0	2	1	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	9
8	3	1	3	2	0	0	0	0	6	0	0	1	0	0	2	0	0	0	0	18
9	3	2	10	2	0	0	0	0	10	0	0	0	0	0	0	0	1	0	0	28
10	4	1	3	3	0	0	0	0	5	0	0	0	1	0	1	0	0	0	0	18
11	2	0	5	1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	13
12	3	0	0	2	0	0	0	0	5	0	0	0	2	0	0	0	0	0	0	12
13	0	0	0	0	0	0	0	0	8	0	0	0	1	0	0	0	0	0	0	9
14	5	0	8	1	0	1	0	0	8	1	0	0	1	0	1	0	0	2	1	29
15	4	2	10	2	0	0	3	0	11	0	0	0	0	0	0	0	0	1	1	34
16	0	1	2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	8
17	4	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6
18	2	1	13	0	1	0	0	0	8	0	0	0	2	0	0	0	0	0	0	27
19	2	3	17	3	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	36
20	3	0	5	2	2	0	0	0	7	0	0	0	0	0	1	0	0	0	1	21
21	7	4	7	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	1	31
22	8	0	3	3	0	0	0	0	7	0	0	0	1	0	0	0	0	0	0	22
23	6	1	6	1	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	23
24	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
25	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
26	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
27	1	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
28	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	3	0	4	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	13
31	4	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	8
32	1	0	4	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	14
33	4	0	3	0	0	1	0	0	4	0	0	0	1	0	0	0	0	0	0	13
34	3	0	2	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	12
35	1	1	3	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	9
36	3	0	7	0	0	0	0	0	7	0	0	0	1	0	1	0	0	0	0	19
37	1	1	3	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	8
38	7	1	3	2	0	0	0	1	6	0	0	0	0	0	0	0	0	1	0	21
39	1	1	3	0	0	0	0	0	6	0	0	0	0	0	0	2	0	0	0	13
40	0	0	5	0	1	0	0	0	5	0	0	0	0	0	1	1	0	0	0	13
41	2	0	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	8
42	0	1	1	0	0	0	0	0	3	0	0	0	0	0	0	0	1	1	0	7
43	3	0	3	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	11

Square	Simple, Plain Rim	Simple, Fine Incised Rim	Simple, Medium Incised Rim	Simple, Bold Incised Rim	Simple, Punctated / Incised Rim	Simple, Stamped Rim	Folded Rim	Folded Pinched, Incised Rim	Folded Pinched, Plain Rim	Folded Notched, Plain	Folded Pinched, Stamped Rim	Flattened Lip	Incised T Rim	Bold Incised on Flat Lip	L Rim	Notched Lip	Flared Interior Incised Rim	Flared Rim	Other Rim	Rim Totals
44	1	0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	6
45	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	1	0	0	7
46	0	0	0	3	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	9
47	2	1	4	1	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	12
48	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
49	1	0	2	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	7
50	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
51	4	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8
52	0	2	1	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	7
53	5	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	10
54	5	0	1	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	11
55	4	1	2	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	14
56	9	0	5	1	0	0	0	7	0	0	0	0	1	0	0	0	0	0	0	23
57	1	0	0	1	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	5
58	2	0	4	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	13
59	3	3	3	1	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	21
60	6	1	1	1	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	17
61	5	3	5	6	0	0	0	0	8	0	0	0	0	0	1	0	0	0	0	28
62	5	0	3	0	0	0	0	0	10	0	0	0	0	0	1	0	0	0	0	19
63	4	3	4	0	0	1	0	1	9	0	0	0	0	0	0	0	0	0	0	22
64	0	0	2	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	10
65	6	3	4	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	21
66	7	1	2	0	0	2	0	0	8	0	0	0	0	0	1	0	0	0	0	21
67	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	7
68	4	0	3	1	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	13
69	2	0	4	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	10
70	1	2	4	1	0	0	0	0	7	0	0	1	0	0	0	0	0	0	0	16
71	0	0	1	1	0	0	0	1	4	0	0	1	0	0	0	0	0	0	0	8
72	3	0	2	1	3	0	0	0	13	0	0	0	0	0	0	0	0	0	0	22
73	2	0	2	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	8
74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	3	0	3	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	15
76	0	0	2	2	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	7
77	5	0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	11
78	1	1	1	1	0	0	0	0	3	0	0	0	0	0	0	1	1	0	0	9
79	3	0	3	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	11
80	2	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	7
81	4	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9
82	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5
83	3	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	8
84	2	0	4	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	10
85	1	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	6
86	2	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	6
87	8	0	15	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	33
Totals	233	54	284	81	9	7	4	12	416	3	1	7	14	1	12	6	6	11	5	1166

## Appendix 9

## Other Ceramics from Excavation Squares and Total Ceramics

Square	Node	Ceramic Bead	Blob	Tobacco Pipe Fragment	Lug Handle	Pottery Disk	Coil Fragment	Cartersville Simple Stamped Tetrapod	Total Ceramic
1	0	0	0	0	0	0	0	0	326
2	0	1	0	5	0	0	0	0	175
3	0	0	0	0	0	0	0	0	266
4	0	0	1	0	0	0	0	0	319
5	0	1	0	1	0	0	0	0	288
6	1	1	0	1	0	0	0	1	324
7	0	0	0	0	0	0	0	0	213
8	0	0	0	0	0	0	0	0	353
9	0	0	0	2	0	0	0	0	368
10	0	0	0	0	0	0	0	0	357
11	0	0	0	0	0	0	0	0	202
12	0	0	0	0	0	0	0	0	159
13	0	0	0	1	0	0	0	0	215
14	0	0	0	2	0	0	0	1	347
15	0	0	0	1	0	0	0	0	422
16	0	0	0	1	0	0	0	0	163
17	0	0	0	0	0	0	0	0	255
18	0	0	0	0	0	0	0	0	366
19	0	0	0	1	0	0	0	0	448
20	0	0	0	1	0	0	0	0	318
21	0	0	0	0	0	0	0	0	305
22	0	0	0	0	0	0	0	0	241
23	0	0	0	0	0	0	0	0	309
24	0	0	0	0	0	0	0	0	83
25	0	0	0	0	0	0	0	0	41
26	0	0	0	0	0	0	0	0	45
27	0	0	0	1	0	0	0	0	60
28	0	0	0	0	0	0	0	0	45
29	0	0	0	0	0	0	0	0	48
30	1	0	0	0	0	0	0	0	187
31	0	0	0	0	0	0	0	0	177
32	0	0	0	1	0	0	0	0	245
33	0	0	0	0	0	0	0	0	182
34	0	0	0	0	0	0	0	0	134
35	0	0	0	0	0	0	0	0	147
36	0	0	0	1	1	0	0	0	162
37	0	1	0	0	0	0	0	1	133
38	0	0	0	0	0	1	0	0	169
39	0	0	0	0	0	0	0	0	137
40	0	0	0	0	0	0	0	0	169
41	0	0	0	0	0	0	0	0	114
42	0	0	0	1	0	0	0	0	121
43	0	0	0	0	0	0	0	0	117
44	0	0	0	0	0	0	0	0	121
45	0	1	0	0	0	0	0	0	115

Square	Node	Ceramic Bead	Blob	Tobacco Pipe Fragment	Lug Handle	Pottery Disk	Coil Fragment	Cartersville Simple Stamped Tetrapod	Total Ceramic
46	0	0	0	0	0	0	0	0	150
47	0	0	0	0	0	0	0	0	106
48	0	0	0	0	0	0	0	0	125
49	0	0	0	1	0	0	0	0	107
50	0	0	0	1	0	0	0	0	72
51	0	0	0	0	0	0	0	0	79
52	0	0	0	0	0	0	0	0	114
53	0	0	0	1	0	0	0	0	186
54	0	0	0	0	0	0	0	1	133
55	0	0	0	0	0	0	0	0	144
56	1	0	0	1	0	1	0	0	216
57	0	0	0	0	0	0	0	0	147
58	0	0	0	1	0	0	0	0	176
59	0	0	0	1	0	0	0	0	188
60	0	1	0	3	0	0	0	0	276
61	0	0	0	0	0	0	0	0	256
62	0	0	0	0	0	0	0	0	273
63	0	0	0	2	0	0	0	0	362
64	0	0	0	0	0	0	0	0	221
65	0	0	0	3	1	0	0	0	251
66	0	0	0	0	0	0	0	0	246
67	0	0	0	1	1	0	0	0	123
68	0	0	0	1	0	0	0	0	187
69	0	0	0	0	0	0	0	0	131
70	0	0	0	0	0	0	0	0	216
71	0	0	0	0	0	0	0	0	185
72	0	0	0	1	0	0	0	0	257
73	0	0	0	0	0	0	0	0	125
74	0	0	0	0	0	1	0	0	110
75	0	0	0	0	0	0	0	0	226
76	0	0	0	0	0	1	0	0	105
77	0	1	0	1	0	0	0	0	145
78	0	0	0	0	0	0	0	0	86
79	0	0	0	0	0	0	0	0	133
80	0	0	0	0	0	0	0	0	119
81	0	0	0	0	0	0	1	0	120
82	0	0	0	0	0	0	0	0	85
83	0	0	0	0	0	0	0	0	85
84	0	0	0	0	0	0	0	0	117
85	0	0	0	0	0	0	0	0	76
86	0	0	0	0	0	0	0	0	86
87	0	0	0	1	0	0	0	0	238
Totals	3	7	1	39	3	4	1	4	16274

## Appendix 10

### Weighed Materials from Excavation Squares

Square	Limestone Weight	Hematite Weight	Red Pebbles Number	Bone Weight	Shell Weight	Daub Weight	Unmodified Rock Weight	Sherds > 1/2 inch Weight	Sherds < 1/2 inch Weight	Total Sherd Weight	Heavy - Light Sherd Ratio
1	0.00	5.46	25	2.12	2.89	575.00	2976	1423.00	302.30	1725.30	4.71
2	0.00	0.00	21	0.00	0.95	201.00	1421	773.00	145.10	918.10	5.33
3	0.86	5.52	31	0.35	1.99	268.00	1877	1161.00	299.40	1460.40	3.88
4	0.18	26.82	116	6.02	2.48	539.00	3044	1347.00	287.20	1634.20	4.69
5	0.77	12.96	10	2.04	5.18	341.69	2438	1163.75	270.22	1433.97	4.31
6	0.80	11.70	73	2.09	2.00	449.00	2142	1358.00	311.40	1669.40	4.36
7	0.00	89.04	26	0.27	0.00	511.00	2425	912.00	342.60	1254.60	2.66
8	2.62	0.00	45	0.33	0.40	350.00	2111	1484.00	413.60	1897.60	3.59
9	1.71	8.82	87	2.60	2.52	434.00	2125	1702.00	329.40	2031.40	5.17
10	0.00	0.00	6	0.89	0.00	276.00	3376	1546.00	481.92	2027.92	3.21
11	0.00	2.66	22	0.00	0.00	266.60	1623	965.00	285.60	1250.60	3.38
12	0.00	3.99	18	0.00	0.00	139.00	1686	735.00	260.40	995.40	2.82
13	0.00	0.31	53	0.00	0.00	238.00	1521	869.00	283.20	1152.20	3.07
14	0.00	0.00	63	0.00	2.80	274.00	2080	1662.00	427.40	2089.40	3.89
15	0.00	26.40	43	0.00	1.24	286.00	2763	1940.00	565.80	2505.80	3.43
16	0.00	9.50	38	0.00	0.00	249.00	1740	812.00	120.70	932.70	6.73
17	0.00	5.30	46	0.00	0.00	364.00	1945	1185.00	353.40	1538.40	3.35
18	0.00	16.99	37	0.00	0.82	437.00	2147	1717.00	419.90	2136.90	4.09
19	0.00	0.19	86	0.00	1.22	524.00	1983	2121.00	491.50	2612.50	4.32
20	0.00	5.70	16	0.44	0.00	334.00	1710	1487.00	269.50	1756.50	5.52
21	0.00	14.12	56	0.19	0.00	279.00	1506	1570.00	274.10	1844.10	5.73
22	0.00	0.00	35	0.00	0.00	243.00	1497	1088.00	292.50	1380.50	3.72
23	0.00	0.00	20	0.00	0.00	258.00	1307	1234.00	221.20	1455.20	5.58
24	0.00	1.82	13	0.00	0.00	279.00	1583	300.00	95.00	395.00	3.16
25	0.00	0.00	7	0.00	0.00	58.00	1157	159.00	50.30	209.30	3.16
26	0.00	1.73	1	0.00	0.00	141.00	1247	175.00	51.70	226.70	3.38
27	0.00	7.80	15	0.00	0.00	244.00	1281	266.00	60.40	326.40	4.40
28	0.35	10.81	12	0.00	0.00	144.00	1017	174.00	72.30	246.30	2.41
29	0.00	38.11	0	0.00	0.00	146.00	1214	252.00	46.60	298.60	5.41
30	0.00	4.06	9	0.19	0.00	379.90	1022	743.0	119.1	862.05	6.24
31	0.00	3.89	22	0.24	0.00	183.23	1470	831.0	116.1	947.07	7.16
32	0.00	3.15	26	0.00	0.33	282.22	1681	1139.0	144.6	1283.64	7.87
33	0.00	13.57	26	0.00	0.00	194.78	1704	906.0	139.9	1045.90	6.48
34	0.46	4.50	34	0.00	0.00	195.74	1992	639.0	87.6	726.64	7.29
35	0.00	1.68	3	0.00	0.00	238.99	1545	700.0	114.0	814.04	6.14
36	0.00	7.67	23	0.00	0.00	278.84	1620	820.0	116.3	936.34	7.05
37	0.00	3.69	36	0.00	0.00	263.15	1090	731.0	121.3	852.30	6.03
38	0.00	17.03	11	0.00	0.00	170.93	889	734.0	137.6	871.55	5.34
39	0.00	6.06	39	0.00	0.00	313.50	1114	624.0	120.8	744.77	5.17
40	0.00	10.21	59	0.00	0.28	362.33	1219	755.0	206.0	961.01	3.66
41	0.00	5.58	43	0.00	0.00	213.04	699	505.0	87.5	592.45	5.77
42	0.00	5.17	32	0.75	0.00	371.23	753	577.0	116.8	693.75	4.94
43	0.00	1.66	17	0.15	0.07	271.71	1083	603.0	115.1	718.14	5.24
44	0.00	9.60	50	0.24	0.00	237.74	1828	589.0	123.0	712.01	4.79

Square	Limestone Weight	Hematite Weight	Red Pebbles Number	Bone Weight	Shell Weight	Daub Weight	Unmodified Rock Weight	Sherds > 1/2 inch Weight	Sherds < 1/2 inch Weight	Total Sherd Weight	Heavy - Light Sherd Ratio
45	0.00	11.01	23	0.00	1.93	213.86	819	495.0	136.5	631.50	3.63
46	0.00	5.67	26	0.80	0.00	326.54	1020	738.0	134.6	872.64	5.48
47	0.00	1.31	14	0.00	0.00	185.84	834	466.0	102.3	568.28	4.56
48	0.00	13.73	50	0.00	0.00	292.42	1387	614.00	107.57	721.57	5.71
49	1.15	13.01	46	0.00	0.00	263.00	1192	441.00	74.35	515.35	5.93
50	0.00	4.43	43	1.03	0.00	253.96	1006	388.00	78.08	466.08	4.97
51	0.00	2.99	26	0.00	0.00	225.37	929	339.00	73.84	412.84	4.59
52	0.00	6.93	39	0.00	0.07	345.00	1350	584.00	108.00	692.00	5.41
53	0.00	6.20	35	0.00	0.00	314.60	1836	812.00	125.90	937.90	6.45
54	0.00	6.92	35	0.00	0.00	216.13	926	579.19	82.18	661.37	7.05
55	0.00	4.59	34	0.29	0.00	255.00	660	603.00	110.29	713.29	5.47
56	0.00	5.15	48	0.83	0.15	344.00	1448	1009.00	173.84	1182.84	5.80
57	0.00	3.82	26	0.00	0.00	229.33	1030	526.00	117.16	643.16	4.49
58	0.00	4.50	44	0.08	0.00	231.46	1134	808.00	143.76	951.76	5.62
59	0.00	3.59	25	0.00	0.01	357.35	973	841.00	139.80	980.80	6.02
60	0.00	8.50	35	0.24	0.00	418.00	1449	1175.00	212.00	1387.00	5.54
61	0.00	1.37	36	0.00	0.43	350.83	1350	1221.00	246.08	1467.08	4.96
62	0.00	3.42	112	0.00	0.00	443.00	1251	1304.00	330.71	1634.71	3.94
63	0.00	8.62	64	0.00	0.00	504.00	1888	1680.00	338.77	2018.77	4.96
64	0.36	4.30	14	0.58	0.00	363.88	1500	1008.00	230.04	1238.04	4.38
65	0.00	17.65	60	0.00	0.00	486.00	2375	1190.00	289.11	1479.11	4.12
66	0.00	7.29	35	0.00	0.00	1182.54	1555	1064.00	242.57	1306.57	4.39
67	0.00	9.72	41	0.00	0.00	523.00	1630	549.00	101.29	650.29	5.42
68	0.55	10.91	62	0.00	0.27	654.00	2099	812.00	216.91	1028.91	3.74
69	0.00	16.66	45	0.35	0.00	650.70	1682	460.00	237.22	697.22	1.94
70	0.00	38.28	41	0.00	0.00	904.00	2036	954.00	251.37	1205.37	3.80
71	0.00	2.18	33	0.00	0.00	300.02	1467	844.00	260.33	1104.33	3.24
72	0.00	22.46	39	0.00	0.00	435.00	1933	1090.00	307.00	1397.00	3.55
73	0.00	1.00	4	0.00	0.00	260.00	589	503.00	154.00	657.00	3.27
74	0.00	0.00	25	0.00	0.00	112.00	478	546.00	120.00	666.00	4.55
75	0.00	0.00	29	0.00	0.00	130.00	1304	1221.00	199.00	1420.00	6.14
76	0.00	0.00	20	0.00	0.00	121.00	816	391.00	128.00	519.00	3.05
77	0.00	2.00	13	0.00	0.00	304.00	939	572.00	212.00	784.00	2.70
78	0.00	0.00	9	0.00	0.00	95.00	951	435.00	139.00	574.00	3.13
79	0.00	14.00	18	0.00	0.00	186.00	701	666.00	94.00	760.00	7.09
80	0.00	0.00	6	0.00	0.00	136.00	1028	514.00	130.00	644.00	3.95
81	0.00	3.00	3	0.00	0.00	125.00	764	598.00	88.00	686.00	6.80
82	0.00	0.00	9	0.00	0.00	54.00	666	368.00	54.00	422.00	6.81
83	0.00	1.00	7	0.00	0.00	58.00	415	343.00	79.00	422.00	4.34
84	0.00	2.00	11	0.00	0.00	137.00	591	524.00	87.00	611.00	6.02
85	0.00	6.00	5	0.00	0.00	136.00	911	325.00	51.00	376.00	6.37
86	0.00	0.00	4	0.00	0.00	74.00	1709	392.00	81.00	473.00	4.84
87	0.00	0.00	15	0.25	0.00	141.00	1321	978.00	317.00	1295.00	3.09
Totals	9.81	677.48	2760	23.36	28.03	26143.45	126593	73446.94	16594.89	90041.83	4.43

## Appendix 11

### Folded Rim Widths from Excavation Squares

Square	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Total Width	Total Number	Mean Width
1	-	-	-	-	-	-	-	0.0	0	-
2	21.1	26.4	14.4	18.0	15.6	21.3	15.9	132.7	7	19.0
3	15.9	17.3	17.2	-	-	-	-	50.4	3	16.8
4	16.9	15.5	12.9	23.8	11.4	20.8	21.0	122.3	7	17.5
5	-	-	-	-	-	-	-	0.0	0	-
6	16.9	13.0	30.1	-	-	-	-	60.0	3	20.0
7	21.3	19.1	19.6	11.6	-	-	-	71.6	4	17.9
8	28.3	20.1	20.0	-	-	-	-	68.4	3	22.8
9	15.8	22.1	23.8	12.6	-	-	-	74.3	4	18.6
10	19.6	21.4	15.9	17.3	-	-	-	74.2	4	18.6
11	25.7	18.4	19.6	-	-	-	-	63.7	3	21.2
12	13.9	22.1	-	-	-	-	-	36.0	2	18.0
13	22.0	21.8	18.5	-	-	-	-	62.3	3	20.8
14	20.6	-	-	-	-	-	-	20.6	1	20.6
15	19.5	22.3	20.9	12.3	13.5	15.0	-	103.5	6	17.3
16	19.0	-	-	-	-	-	-	19.0	1	19.0
17	15.8	-	-	-	-	-	-	15.8	1	15.8
18	25.9	16.4	17.8	21.2	17.6	17.4	-	116.3	6	19.4
19	21.5	32.5	25.3	15.6	18.4	31.6	-	144.9	6	24.2
20	-	-	-	-	-	-	-	0.0	0	-
21	20.1	25.5	20.4	19.5	20.2	24.7	-	130.4	6	21.7
22	29.5	21.0	20.5	-	-	-	-	71.0	3	23.7
23	22.3	17.1	17.0	19.5	17.4	12.4	-	105.7	6	17.6
24	-	-	-	-	-	-	-	0.0	0	-
25	23.9	-	-	-	-	-	-	23.9	1	23.9
26	-	-	-	-	-	-	-	0.0	0	-
27	-	-	-	-	-	-	-	0.0	0	-
28	15.1	-	-	-	-	-	-	15.1	1	15.1
29	-	-	-	-	-	-	-	0.0	0	-
30	22.8	16.2	-	-	-	-	-	39.0	2	19.5
31	20.3	-	-	-	-	-	-	20.3	1	20.3
32	23.2	15.4	12.7	20.9	-	-	-	72.2	4	18.1
33	19.9	-	-	-	-	-	-	19.9	1	19.9
34	16.6	21.5	-	-	-	-	-	38.1	2	19.1
35	20.8	-	-	-	-	-	-	20.8	1	20.8
36	19.0	19.3	-	-	-	-	-	38.3	2	19.2
37	-	-	-	-	-	-	-	0.0	0	-
38	-	-	-	-	-	-	-	0.0	0	-
39	17.3	-	-	-	-	-	-	17.3	1	17.3
40	-	-	-	-	-	-	-	0.0	0	-
41	-	-	-	-	-	-	-	0.0	0	-
42	-	-	-	-	-	-	-	0.0	0	-
43	22.6	16.1	-	-	-	-	-	38.7	2	19.4
44	27.1	17.2	25.3	14.5	-	-	-	84.1	4	21.0

Square	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Folded, Pinched Rim Widths	Total Width	Total Number	Mean Width
45	-	-	-	-	-	-	-	0.0	0	-
46	18.2	-	-	-	-	-	-	18.2	1	18.2
47	-	-	-	-	-	-	-	0.0	0	-
48	-	-	-	-	-	-	-	0.0	0	-
49	-	-	-	-	-	-	-	0.0	0	-
50	16.9	-	-	-	-	-	-	16.9	1	16.9
51	26.6	-	-	-	-	-	-	26.6	1	26.6
52	25.9	22.3	25.4	-	-	-	-	73.6	3	24.5
53	-	-	-	-	-	-	-	0.0	0	-
54	-	-	-	-	-	-	-	0.0	0	-
55	16.3	23.5	18.2	17.8	-	-	-	75.8	4	19.0
56	29.9	12.0	19.9	23.3	-	-	-	85.1	4	21.3
57	17.8	-	-	-	-	-	-	17.8	1	17.8
58	22.3	-	-	-	-	-	-	22.3	1	22.3
59	20.9	18.1	22.4	15.0	-	-	-	76.4	4	19.1
60	23.8	19.5	21.1	24.6	-	-	-	89.0	4	22.3
61	23.3	24.4	19.2	22.6	-	-	-	89.5	4	22.4
62	21.5	14.2	21.1	-	-	-	-	56.8	3	18.9
63	18.9	-	-	-	-	-	-	18.9	1	18.9
64	26.8	26.5	15.4	21.7	-	-	-	90.4	4	22.6
65	17.2	21.3	24.3	16.3	-	-	-	79.1	4	19.8
66	21.1	17.2	23.0	27.1	23.1	17.7	17.2	146.4	7	20.9
67	19.1	23.9	-	-	-	-	-	43.0	2	21.5
68	21.2	-	-	-	-	-	-	21.2	1	21.2
69	18.7	27.3	14.3	-	-	-	-	60.3	3	20.1
70	25.5	17.6	19.7	-	-	-	-	62.8	3	20.9
71	-	-	-	-	-	-	-	0.0	0	-
72	26.0	27.8	24.5	14.5	-	-	-	92.8	4	23.2
73	24.0	-	-	-	-	-	-	24.0	1	24.0
74	-	-	-	-	-	-	-	0.0	0	-
75	21.5	18.2	17.6	20.3	-	-	-	77.6	4	19.4
76	15.0	10.2	-	-	-	-	-	25.2	2	12.6
77	23.0	-	-	-	-	-	-	23.0	1	23.0
78	15.0	19.0	-	-	-	-	-	34.0	2	17.0
79	18.1	20.6	-	-	-	-	-	38.7	2	19.4
80	20.2	-	-	-	-	-	-	20.2	1	20.2
81	9.1	-	-	-	-	-	-	9.1	1	9.1
82	15.6	-	-	-	-	-	-	15.6	1	15.6
83	-	-	-	-	-	-	-	0.0	0	-
84	20.0	11.8	-	-	-	-	-	31.8	2	15.9
85	-	-	-	-	-	-	-	0.0	0	-
86	25.0	-	-	-	-	-	-	25.0	1	25.0
87	19.5	20.5	20.0	20.9	18.9	-	-	99.8	5	
Totals	1344.1	853.6	658.0	430.9	156.1	160.9	54.1	3657.6	184	19.9



## Appendix 12

### Historic Artifacts from Excavation Squares

Square	Green Glass	Green Edge Ware	Blue Hand Painted Pearlware	Plain Ironstone	Iron Fragment	Lead Bullet	Shotgun Shell	Brass Button Fragment	All Historic
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	1	0	0	2
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	1
11	1	0	0	2	0	0	0	0	3
12	1	0	0	0	0	0	1	0	2
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	2	1	0	0	0	0	0	3
20	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	1	0	1
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	0	1
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	1	0	1
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	1	0	0	0	0	1	0	0	2
37	1	0	0	0	0	0	0	0	1
38	5	0	0	0	0	0	0	0	5
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	1	0	0	0	1	0	0	0	2
43	1	0	0	0	0	0	0	0	1

Square	Green Glass	Green Edge Ware	Blue Hand Painted Pearlware	Plain Ironstone	Iron Fragment	Lead Bullet	Shotgun Shell	Brass Button Fragment	All Historic
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	1	0	0	0	0	0	0	0	1
54	2	0	0	0	0	0	0	0	2
55	0	0	0	0	0	0	0	0	0
56	1	0	0	0	0	0	0	0	1
57	0	0	0	0	0	0	0	0	0
58	2	0	0	0	0	0	0	0	2
59	1	0	0	0	0	0	0	0	1
60	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0
63	1	0	0	0	0	0	0	0	1
64	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0
66	2	0	0	0	0	0	0	0	2
67	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0
73	6	0	0	0	1	0	0	0	7
74	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	1	0	1
77	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0
83	1	0	0	0	0	0	0	0	1
84	0	0	0	0	0	0	0	0	0
85	1	0	0	0	0	0	0	0	1
86	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0
Totals	32	2	1	2	2	2	5	1	47

### Appendix 13

#### Lithics from Excavation Squares

Square	Quartz Flake	Quartz Shatter	Quartz Flake Tool	Quartz Hammerstone	Quartz Core	Quartz Biface	Quartz PPK	Coastal Plain Secondary Flake	Coastal Plain Secondary Flake, HT	Coastal Plain Tertiary Flake	Coastal Plain Tertiary Flake, HT	Coastal Plain Shatter	Coastal Plain Flake Tool	Coastal Plain Biface	Coastal Plain PPK	Ridge/ Valley Flake	Ridge / valley PPK	Piedmont Chert PPK	Piedmont Chert Flake	Diabase Flake	Diabase Shatter	Metadacite Flake	Metadacite PPK	Total Flaked Stone
1	44	4	0	0	1	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	3	0	0	56
2	18	1	0	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	23
3	29	14	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	46
4	27	8	1	0	0	0	1	0	0	8	0	5	1	0	0	0	0	0	1	3	16	0	0	71
5	5	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
6	42	28	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	73
7	56	16	0	0	1	0	0	0	0	2	0	1	0	0	1	0	0	1	0	0	0	0	0	78
8	53	55	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	110
9	67	49	0	0	0	0	1	0	0	6	1	0	0	0	0	0	0	0	0	3	6	1	0	134
10	33	10	0	0	0	0	0	0	0	6	0	0	0	0	1	0	0	0	0	0	0	0	1	51
11	38	38	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	80
12	38	11	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	1	0	0	54
13	49	29	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	81
14	61	19	0	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	86
15	41	15	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	60
16	23	6	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	4	0	0	36
17	62	26	1	0	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	1	0	0	0	95
18	55	23	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	81
19	71	13	2	0	1	0	0	0	1	5	0	0	1	0	2	0	0	0	0	0	10	0	0	106
20	37	5	0	0	1	0	2	0	0	3	0	0	0	0	0	0	0	0	0	5	2	0	0	55
21	39	5	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	47
22	14	4	0	0	1	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	3	0	0	29

Square	Quartz Flake	Quartz Shatter	Quartz Flake Tool	Quartz Hammerstone	Quartz Core	Quartz Biface	Quartz PPK	Coastal Plain Secondary Flake	Coastal Plain Secondary Flake, HT	Coastal Plain Tertiary Flake	Coastal Plain Tertiary Flake, HT	Coastal Plain Shatter	Coastal Plain Flake Tool	Coastal Plain Biface	Coastal Plain PPK	Ridge/ Valley Flake	Ridge / valley PPK	Piedmont Chert PPK	Piedmont Chert Flake	Diabase Flake	Diabase Shatter	Metadacite Flake	Metadacite PPK	Total Flaked Stone
23	27	4	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	34
24	15	11	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	7	0	0	36
25	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	12
26	12	5	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	20
27	10	5	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	1	0	0	21
28	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
29	13	3	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	3	0	0	23
30	11	2	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	5	0	0	21
31	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	8
32	4	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	2	8	0	0	17
33	16	39	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	4	0	0	62
34	7	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
35	19	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	21
36	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
37	17	12	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6	1	0	0	38
38	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	21
39	25	26	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	3	1	0	59
40	45	13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	3	11	0	0	74
41	3	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	3	0	0	13
42	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
43	8	6	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	9	0	0	0	25
44	28	27	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	58
45	13	6	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	24
46	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	26
47	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
48	15	3	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	4	2	0	0	26

Square	Quartz Flake	Quartz Shatter	Quartz Flake Tool	Quartz Hammerstone	Quartz Core	Quartz Biface	Quartz PPK	Coastal Plain Secondary Flake	Coastal Plain Secondary Flake, HT	Coastal Plain Tertiary Flake	Coastal Plain Tertiary Flake, HT	Coastal Plain Shatter	Coastal Plain Flake Tool	Coastal Plain Biface	Coastal Plain PPK	Ridge/ Valley Flake	Ridge / valley PPK	Piedmont Chert PPK	Piedmont Chert Flake	Diabase Flake	Diabase Shatter	Metadacite Flake	Metadacite PPK	Total Flaked Stone
49	10	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	15
50	10	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	23
51	11	11	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	25
52	29	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	34
53	13	7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	22
54	18	9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	29
55	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	22
56	19	9	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2	0	0	34
57	8	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	18
58	15	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	4	0	0	25
59	26	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	31
60	18	7	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	3	9	0	0	39
61	26	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	32
62	30	12	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	6	1	0	53
63	37	4	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	58
64	38	25	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	1	3	0	0	71
65	34	12	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	8	0	0	56
66	18	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	24
67	22	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
68	38	14	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	56
69	34	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
70	59	0	0	0	0	1	1	0	0	2	2	0	0	0	0	0	0	0	0	2	0	0	0	67
71	25	11	0	0	1	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	40
72	38	9	0	0	0	0	1	0	2	0	3	0	0	0	2	0	0	0	0	1	2	0	0	58
73	7	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0	0	16
74	3	5	2	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	4	0	0	17

Square	Quartz Flake	Quartz Shatter	Quartz Flake Tool	Quartz Hammerstone	Quartz Core	Quartz Biface	Quartz PPK	Coastal Plain Secondary Flake	Coastal Plain Secondary Flake, HT	Coastal Plain Tertiary Flake	Coastal Plain Tertiary Flake, HT	Coastal Plain Shatter	Coastal Plain Flake Tool	Coastal Plain Biface	Coastal Plain PPK	Ridge/ Valley Flake	Ridge / valley PPK	Piedmont Chert PPK	Piedmont Chert Flake	Diabase Flake	Diabase Shatter	Metadacite Flake	Metadacite PPK	Total Flaked Stone
75	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	0	0	37
76	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
77	18	15	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	5	1	0	0	41
78	7	19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	29
79	16	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	24
80	7	7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	17
81	8	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	19
82	3	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	3	0	0	13
83	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
84	3	5	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	12
85	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	9
86	4	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	10
87	15	17	0	0	1	1	0	0	1	2	1	0	0	0	0	0	0	0	0	1	2	0	0	41
Sum	1956	869	15	1	12	9	22	5	8	88	37	12	4	1	14	3	1	2	6	90	199	6	1	3361

## Appendix 14

### Ceramics from Features

Feature	Plain	Bold Incised	Medium Incised	Fine Incised	Complicated Stamped	Punctated and Incised	<b>Body Totals</b>	Simple, Plain Rim	Simple, Medium Incised Rim	Simple, Bold Incised Rim	Folded Pinched, Plain Rim	Folded Pinched, Stamped Rim	Folded Pinched L Rim	Flared Exterior Incised Rim	Flared Interior Incised Rim	Flared Rim	Other Rim	<b>Rim Totals</b>	Ceramic Bead	Blob	Tobacco Pipe Fragment	Pottery Disk	<b>Total Ceramic</b>
Feature 1 South	8	3	4	2	6	0	23	2	1	0	1	0	0	0	0	0	0	4	0	0	0	0	27
Feature 1 North	17	0	2	0	3	0	22	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	23
Feature 1 Total	25	3	6	2	9	0	45	2	2	0	1	0	0	0	0	0	0	5	0	0	0	0	50
Feature 2 South	43	1	8	5	20	0	77	6	5	1	1	1	0	1	0	0	0	15	0	0	0	0	92
Feature 2 North	46	1	11	1	45	1	105	3	4	3	2	0	0	1	0	0	0	13	0	0	1	1	120
Feature 2 Cluster 1	4	0	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Feature 2 Cluster 2	15	0	0	0	3	0	18	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	20
Feature 2 Cluster 2B	8	0	1	0	5	0	14	0	2	0	0	0	0	0	2	0	0	4	0	0	0	0	18
Feature 2 Cluster 3	23	1	3	3	2	0	32	0	1	0	1	0	0	0	0	0	0	2	0	1	0	0	35
Feature 2 Cluster 4	45	0	0	0	3	0	48	0	0	0	6	0	1	0	0	0	0	7	0	0	0	0	55
Feature 2 Total	184	3	24	9	78	1	299	9	12	4	10	1	1	3	2	0	0	42	0	1	2	1	345
Feature 3 South	23	0	4	1	11	0	39	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	40
Feature 3 North	3	1	0	0	5	0	9	0	0	0	5	0	1	0	0	0	0	6	1	0	0	0	16
Feature 3 Total	26	1	4	1	16	0	48	1	0	0	5	0	1	0	0	0	0	7	1	0	0	0	56
Feature Totals	235	7	34	12	103	1	392	12	14	4	16	1	2	3	2	0	0	54	1	1	2	1	451

**Appendix 15**  
Lithics and Miscellaneous Material from Features

Feature	Quartz Flake	Quartz Shatter	Coastal Plain Tertiary Flake	Diabase Flake	Nutting Stone	Total Flaked Stone		Corncob Fragment	Charcoal Weight	Hematite Weight	Red Pebbles Number	Daub Weight	Unmodified Rock Weight	Sherds > 1/2 inch Weight	Sherds < 1/2 inch Weight	Total Sherd Weight	Heavy - Light Sherd Ratio
Feature 1 South	1	0	1	0	0	2		0	4.16	0.68	10	90.66	285.08	274.00	4.39	278.39	62.41
Feature 1 North	1	0	0	0	0	1		0	0.00	0.38	1	25.39	121.20	135.02	10.41	145.43	12.97
Feature 1 Total	2	0	1	0	0	3		0	4.16	1.06	11	116.05	406.28	409.02	14.80	423.82	27.64
Feature 2 South	15	28	2	0	0	45		0	21.14	0.00	34	75.87	735.64	508.07	33.36	541.43	15.23
Feature 2 North	25	11	3	1	0	40		1	5.01	0.00	19	169.40	1325.00	965.00	95.30	1060.30	10.13
Feature 2 Cluster 1	0	0	0	0	0	0		0	0.00	0.00	0	0.00	0.00	148.00	0.00	148.00	-
Feature 2 Cluster 2	0	0	0	0	0	0		0	0.00	0.00	0	0.00	191.00	347.00	8.00	355.00	43.38
Feature 2 Cluster 2B	0	0	0	0	1	0		0	0.00	0.00	0	0.00	0.00	850.00	0.00	850.00	-
Feature 2 Cluster 3	0	0	0	0	0	0		0	0.00	0.00	0	0.00	0.00	607.00	0.00	607.00	-
Feature 2 Cluster 4	0	0	0	0	0	0		0	0.00	0.00	0	0.00	0.00	1871.68	11.32	1883.00	165.34
Feature 2 Total	40	39	5	1	1	85		1	26.15	0	53	245.27	2251.64	5296.75	147.98	5444.73	35.79
Feature 3 South	1	1	0	0	0	2		0	0.79	0.00	1	10.67	153.78	196.00	14.02	210.02	13.98
Feature 3 North	3	30	0	0	0	33		0	0.00	0.48	2	22.76	0.55	450.00	4.09	454.09	110.02
Feature 3 Total	4	31	0	0	0	35		0	0.79	0.48	3	33.43	154.33	646.00	18.11	664.11	35.67
Feature Totals	46	70	6	1	1	123		1	31.10	1.54	67	394.75	2812.25	6351.77	180.89	6532.66	35.11



## Appendix 16

### Post Mold Data

Post Number	North	East	Mean Diameter	Depth
1	508.46	498.16	15.85	48
2	507.52	497.11	27.10	16
3	506.79	496.26	18.75	15
4	506.83	494.99	17.65	14
5	507.08	493.40	23.10	9
6	507.86	492.59	21.10	17
7	509.26	491.28	17.45	45
8	511.06	490.84	28.50	13
9	512.50	491.83	19.55	13
10	513.60	493.53	24.25	16
11	513.23	495.64	11.75	11
12	512.95	496.53	20.30	14
14	509.64	498.19	25.45	43
15	511.65	501.02	13.45	48
16	510.81	501.85	15.25	19
17	510.41	502.60	9.80	8
18	510.73	503.09	14.85	12
19	509.99	503.50	14.45	20
20	510.12	503.73	13.55	7
21	511.13	503.49	8.65	17
22	511.41	503.81	15.60	13
23	513.16	503.24	15.65	21
24	513.43	502.83	15.85	30
25	513.82	501.46	14.80	12
26	513.39	501.29	28.30	11
27	512.52	501.45	18.95	38
28	511.25	498.55	17.20	13
30	511.32	498.18	27.40	12
32	513.53	498.19	12.95	3
33	511.61	495.79	17.30	18
34	511.46	494.19	18.85	15
35	511.63	495.42	27.15	10
36	511.85	493.73	31.60	16
37	511.15	492.92	22.80	23
38	512.76	492.85	20.60	6
39	513.63	491.75	27.80	14
40	513.52	490.73	16.95	13
41	510.20	490.92	19.50	10
42	509.92	493.15	15.80	18

Post Number	North	East	Mean Diameter	Depth
43	510.35	494.23	19.75	7
44	509.29	494.52	17.05	16
45	508.70	494.32	18.70	11
46	507.25	491.62	20.40	7
47	506.93	492.33	25.80	10
48	506.44	492.86	23.95	17
49	507.33	493.08	31.90	10
50	507.55	493.31	23.60	19
51	507.36	494.10	28.00	15
52	506.98	496.17	17.25	11
53	507.18	496.50	17.15	7
54	507.98	496.37	17.95	17
55	509.43	495.87	18.05	16
56	509.37	496.32	29.45	17
57	509.91	496.98	17.05	11
58	509.73	497.29	14.65	12
59	509.57	497.49	13.15	25
60	508.75	497.83	15.60	20
61	507.75	498.22	22.75	17
63	507.30	499.69	23.55	10
64	507.34	499.94	25.55	29
65	506.95	500.42	20.70	25
66	507.34	502.63	17.40	45
67	506.37	502.64	17.40	15
68	506.12	502.64	17.60	12
69	505.93	502.57	19.35	10
70	504.15	499.96	16.00	10
71	505.06	492.09	16.90	11
72	501.75	499.45	24.65	18
73	501.86	499.94	15.05	41
74	502.41	499.89	20.30	18
75	499.53	502.09	16.45	30
76	499.29	502.14	17.10	12
77	513.28	496.31	14.30	20
78	513.42	495.31	18.50	18
79	511.56	502.48	17.65	20
80	511.13	502.58	20.45	16
81	511.46	503.17	16.05	11
82	511.55	503.35	17.45	11
83	515.07	498.47	20.50	14
84	515.97	496.58	21.55	22
85	515.21	495.35	18.80	57
86	515.47	494.77	22.65	6

Post Number	North	East	Mean Diameter	Depth
87	515.71	494.61	17.80	8
88	499.27	514.26	22.45	13
89	511.39	495.37	20.05	13
90	506.12	499.48	20.25	20
91	504.17	493.35	31.60	27
92	501.41	502.15	18.25	12
93	506.21	501.67	21.00	21
94	502.48	502.52	11.00	10
95	510.63	504.41	32.00	30
96	510.97	504.24	23.00	22
97	515.00	500.43	25.00	15
98	514.18	495.40	28.00	12
99	514.05	500.65	15.00	26