NEUSE LEVEE: EXCAVATION OF A LATE ARCHAIC AND WOODLAND SITE IN THE UPPER NEUSE RIVER BASIN, WAKE COUNTY, NORTH CAROLINA

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by

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MANAGEMENT SUMMARY

Data recovery archaeological excavations were conducted by TRC Garrow Associates, Inc. (TRC), at the Neuse Levee site (31WA1137) for the North Carolina Department of Transportation (NCDOT). The site is located at the US 401 crossing of the Neuse River north of Raleigh, North Carolina. Investigations started with a backhoe trench excavated on May 8, 1998, which was examined and described by the project geomorphologist. The main excavations were carried out by a crew of six persons between May 11 and June 24, 1998.

Fifty-eight 1 x 1 m excavation units containing 547 levels were excavated. Excavations were concentrated in two large blocks with five smaller units testing the outlying parts of the site. Numerous soil, OCR (Oxidizable Carbon Ratio), phytolith, sediment grain size, and geochemical samples were also taken. The numbers of excavation units and samples taken conform to the parameters of the Data Recovery Plan prepared by the NCDOT and approved by the Office of State Archaeology.

Over 11,500 artifacts were recovered from these units, including 199 prehistoric ceramic fragments and more than 11,480 pieces of chipped stone. Twenty-one diagnostic projectile points, as well as biface and biface fragments, were found. The projectile points include Savannah River and Gypsy specimens, as well as various large and small triangular forms, and date to the Late Archaic and Woodland periods (between about 5000 B.C. and A.D. 1500). The majority of the projectile points above 40 cm below surface (cmbs) were of Woodland vintage; those below were of Archaic age. The hafted bifaces in the levels below 40 cmbs included identifiable Savannah River points of two distinctive morphologies, but more importantly contained a large number of forms with either bipointed or bistemmed ends. Twenty-one bihafted scrapers and seven hafted perforators were found along with other more commonly seen tools. The tool assemblage seems to be related to a complex construction enterprise involving compositing of multiple materials, perhaps the construction of watercraft.

The presence of a Late Woodland component complements data from Early Woodland sites that have recently been excavated upstream on Wakefield Creek. Comparisons with these and other sites suggests that the settlement pattern shifted from the broken terrain around the Falls of the Neuse to the flatter and more arable lands above and below the Fall Line during the Late Woodland. Neuse Levee seems to have been a construction workshop during the Late Archaic and a waystation during the Woodland. Debitage indicators shift from the Archaic to the Woodland from locally sourced lithic materials during the Archaic to exotic cherts and quartzite, as well as local quartz, in the Woodland. Fewer primary flakes and more usable medial fragments of flakes were found in the later assemblage. It appears that a shift occurred in the Late Woodland to a more mobile settlement pattern and an economy related to the Piedmont rather than the Coastal Plain, unlike the Archaic and Early Woodland.

ACKNOWLEDGMENTS

We would like to thank Mr. Thomas Padgett and Mr. Gary Glover of the NCDOT, who managed the project coordination and in other ways provided assistance important for the timely completion of the research. At the Office of State Archaeology, the assistance of Mr. Steve Claggett and Ms. Dolores Hall was very much appreciated, including their field visits to the site.

For TRC, Joel D. Gunn served as Principal Investigator and William F. Stanyard as Field Director. David Leigh conducted the geomorphology study. Paul Webb acted as project manager and coordinated the logistics of fieldwork and report preparation. The field crew included Bruce Idol, Matt Jorgenson, Joe Hefner, Riley Gunn, Sterling Howard, Ross Hartley, Steve Hatch, and Bill Duckworth. Steve Hatch and Matt Jorgenson processed artifacts. Randy Kuppless prepared the report graphics and Heather Kennedy copy-edited the report text.

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I. INTRODUCTION

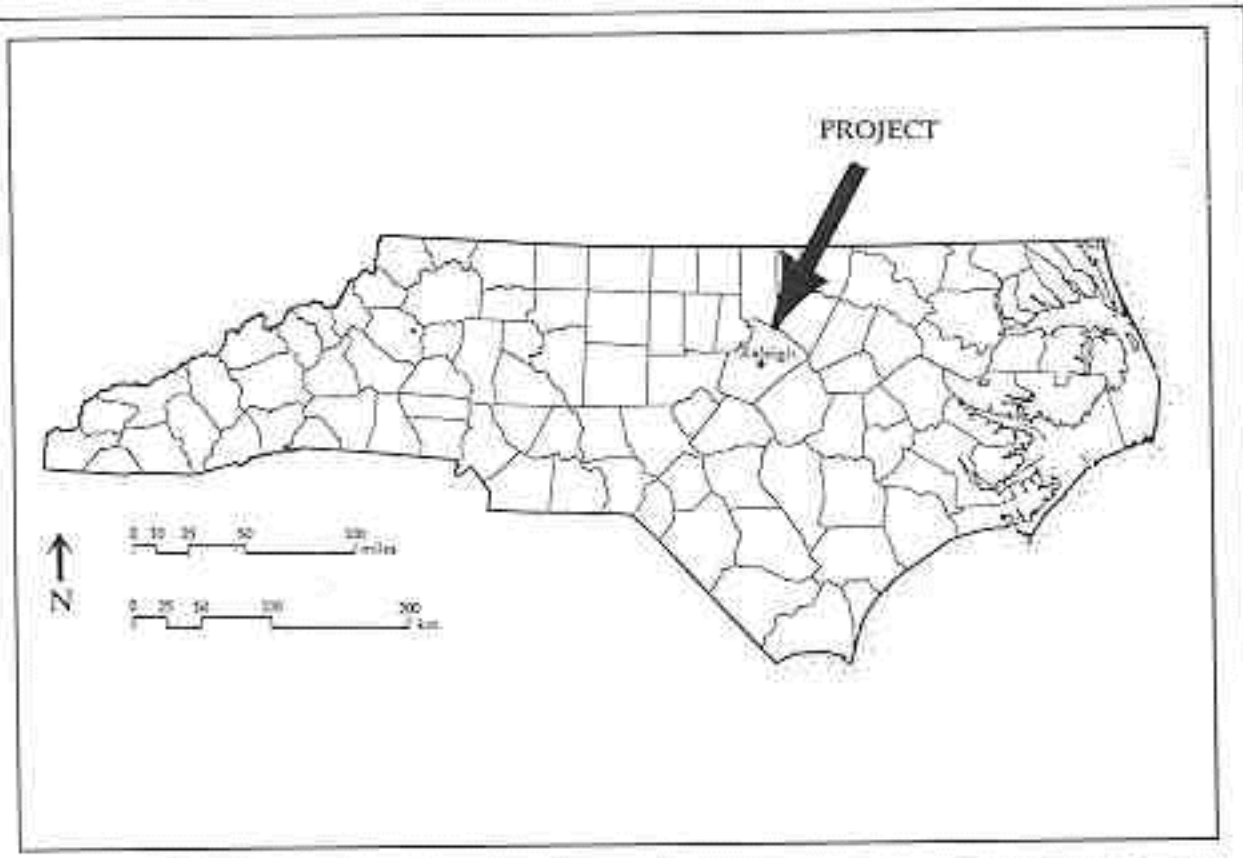
This document reports data recovery excavations at the Neuse Levee site (31WA1137), a National Register–eligible archaeological site located near Wake Crossroads in northern Wake County, North Carolina. The site was to be impacted by the proposed dualization of US 401 by the North Carolina Department of Transportation (NCDOT). Because of expected impacts to the site, the project was under review by the Office of State Archaeology (OSA). Due to the nature of the planned construction, which involved paralleling the existing Neuse River bridge with an additional two-lane bridge, avoidance and preservation in place were not feasible alternatives. Consequently, a mitigation plan was developed by NCDOT that included a research design for data recovery excavations. The implementation of this research design recovered data relevant to a wide range of research questions, and resulted in the mitigation of adverse impacts to the significant archaeological resources at the site.

The study was undertaken to comply with Section 106 of the National Historic Preservation Act of 1966 (PL 89-665) as amended, the National Environmental Policy Act of 1969 (PL 91-190), the Advisory Council's Procedures for the Protection of Historic and Cultural Properties (36 CFR Part 800), the North Carolina State Environmental Policy Act of 1971 (G.S. 113A), and North Carolina State Executive Order XVI of 1971. The study complies with the Society of Professional Archaeologists' *Standards of Research Performance,* and was conducted in conformance with the *Guidelines for the Preparation of Reports of Archaeological Surveys and Evaluations, North Carolina State Historic Preservation Office,* 1982, and with the *Draft Addenda to Guidelines for Preparation of Archaeological Survey Reports, NC Office of State Archaeology,* May 1989.

The Neuse Levee project was viewed as part of a larger study of the Neuse Fall Line region. The research design is the outgrowth of several cultural resource management projects conducted by the senior author below the Falls of the Neuse. An effort was made to overview these and other projects conducted in the region and to collect a consistent data set across sites. The studies were oriented toward studying the landscape evolution of the region in terms of utilization of topography and soils. A review of the projects in the area is provided in the "Previous Archaeological Projects" section of Chapter 3.

The Neuse Levee project area lies on the east or downstream side of the existing US 401 Neuse River Bridge in northeastern Wake County, North Carolina (Figure 1.1) (see NCDOT 1998a). The location is on the north bank of the Neuse River. The Phase I investigations were conducted during 1992 by Maher (1992a, 1992b), and included intensive survey of the bridge crossing. Site testing was undertaken by Glover (1993) in 1993. He found that the site was eligible for the National Register of Historic Places (NRHP) because it was an intact Archaic site with the potential to correct some of the misinterpretations of regional Archaic site types and distribution due to their infrequent appearance in floodplain environments. Results of the Phase I and II excavation suggested that 31WA1137 was largely an Archaic, specifically a Middle Archaic, site. However, evaluation of the larger tool assemblage recovered in Phase III and dating of the site indicated that the occupations took place during and after the Late Archaic. Much of the thinking of this report was therefore focused on the phenomenon of the Archaic-to-Woodland transition.

This report is organized in the following manner. Chapter 2 contains information on the environment of the region, and Chapter 3 provides background information on the prehistory and history of the region as well as on previous archaeological investigations in the project vicinity. Chapter 4 discusses the research design and Chapter 5 the research methods. Chapter 6 details the results of site excavations. Chapters 7–11 discuss analytical results by various consultants and staff members. Chapter 12 completes the report with summary and conclusions. The Appendices include the artifact catalog (1), geological observations (2), geochemical results (3), ceramic data (4), lithic data (5), phytolith analysis (6), and resumes (7).



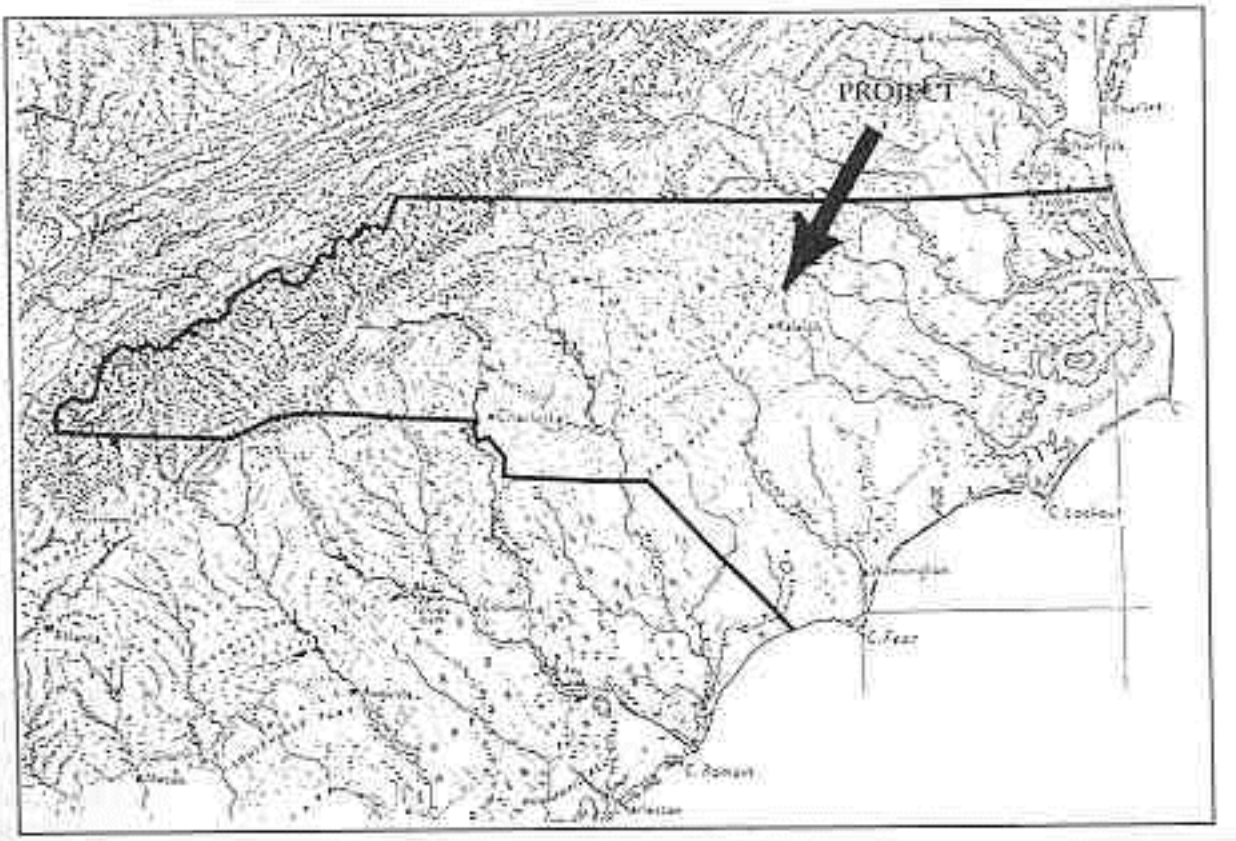


Figure 1.1. Location and Physiography of the Project Area in North Carolina.

II. ENVIRONMENTAL SETTING

Landscape studies necessarily involve a wide range of studies treated in an interdisciplinary context. A landscape involves a range of interactions between human agents, biological organisms, and geological climatic contexts. The sum of these cognitive, biological, and physical interactions is living landscape evolution and its remnant or trace. Landscapes contain the residue of interactions left as soils, landforms, and archaeological sites. This chapter documents the physical and biological context of the site. The next chapter engages the cultural context. Pertinent general references to landscape studies are Crumley and Marquardt (1987), Gunn, Folan et al. (1995), Nassaney and Sassaman (1995), and Stine et al. (1997).

SITE SETTING

The project is located at the northeast city limit of Raleigh in northeastern Wake County, North Carolina, just south of the intersection of US Highway 401 and Mitchell Mill Road (SR 2224, Figure 2.1). Neuse Levee site (31WA1137) is located in a rapidly developing rural area. The overall project area is an approximately 30-m grid north-south, defined by the existing bridge on the north and the right-of-way boundary on the south. The grid east-west is approximately 20 m, defined by the occupied area of the levee, with the historic levee and Neuse River to the west and the backswamp to the east. A small, unnamed tributary of the Neuse River enters from the grid east just to the north of the existing bridge and 50 m north of the backhoe trench. It is now largely disrupted by US 401 construction, but could have been a contributing factor to the elevated character of the levee upon which the site resides. Also contributing to the site's geological character is its location in a sediment basin extending 1.2 km magnetic northwest and 1.0 km southeast from the site location. This basin appears on the 7.5 minute quadrangle as a flat floodplain between two bedrock constrictions in the Neuse River floodplain and between 170 and 180 feet AMSL (see Figure 2.1). Within the basin the river has meandered considerably, creating oxbows and levees.

PHYSIOGRAPHY

Wake County is located at the transition between the Piedmont and Coastal Plain physiographic provinces. Approximately 80 percent of Wake County is drained by the Neuse River. Although erosion has modified the original relief in many places, the terrain is predominantly gently rolling, with broad flat areas between stream drainages (Cawthorn 1970:113). Elevations in the county range from 49 m (160 feet) to 165 m (540 feet) AMSL, while the elevation in the project area is 53 m (174.9 feet) AMSL in the Neuse River channel at the low water level. Up a moderately steep bank in a two-stage levee, the elevation is 56.698 m (186.01 feet, Geologic Survey Station 1 at E100 N100) AMSL, with the site on the highest portion of the levee at 57.7 m (189.3 feet) AMSL.

The Inner Coastal Plain below the Fall Line is upslope from the Embayed section of the North Carolina coast, which includes the brackish transition zone between fresh and salt water (Fenneman 1938). In contrast with the less dissected section of the coast south of the Neuse River, the extensive estuaries of the Embayed section would have supported rich runs of anadromous fish. These differences in fish run density and river sedimentation processes continued up the Coastal Plain toward the Fall Line. The effects of the contrast can be seen in both historic and prehistoric population demographics. For example, both the coastal zone Algonkians and Inner Coastal Plain Tuscarora of the early historic period ended their southward distributions at the Neuse River (Phelps 1983).

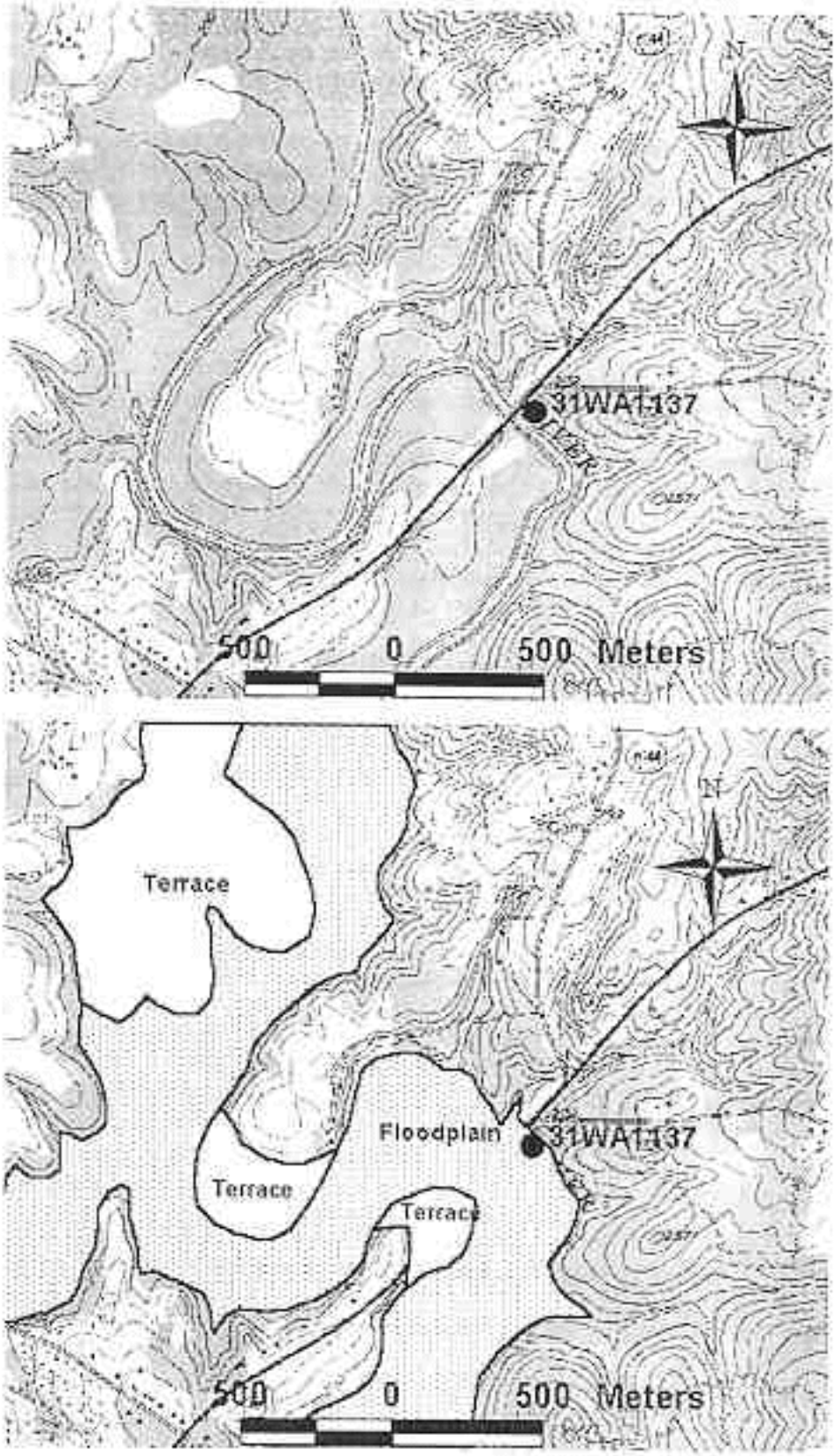


Figure 2.1. Topography and Geomorphology of the Project Area.

GEOMORPHOLOGY (David S. Leigh, Ph.D.)

The Neuse Levee archeological site occurs on the cutbank side of a meander bend of the Neuse River near Raleigh, North Carolina, within an ancient natural levee (paleo-levee), which stands 3–4 m above the low water level and 0.5–1.0 m above the modern natural levee. Previous investigations (Glover 1993) identified a buried Archaic component (up to 1 m deep) associated with a curious assemblage of thin clay-iron bands (lamellae) within the paleo-levee deposits. This section describes the geomorphology, alluvial stratigraphy, pedology, and depositional history of the alluvial sediments at the site.

Methods

Field methods included a cross-sectional survey with a level to lay out the line of section of a backhoe trench perpendicular to the Neuse River. A 50-m-long backhoe trench was dug along the line of section. The trench was about 2 m deep and 1 m wide at the bottom with the top cut back 4 m to the east, for reasons of safety. The backhoe dug down to about 3.5 m (maximum digging depth) at intervals spaced about every 5 m in order to expose the deep stratigraphy and to search for dateable organic material. These deep pits were backfilled shortly after digging, for reasons of safety. The northwest, or grid north, side of the backhoe trench was cleaned with a shovel and trowel to expose the stratigraphy and soils for description and sampling. Additional subsurface sampling was done in several places with a 3-inch-diameter bucket auger, which was drilled down until refusal in alluvial gravels.

Soil profiles were described according to the terms of the USDA Soil Survey Manual (Soil Survey Division 1993) using moist Munsell colors and are given in Appendix 2. Soil and sediment samples are listed in Appendix 3. One set of soil/sediment samples (100–300 g) was collected from 20-x-20-cm blocks (samples 1–29), spaced 1–4 m apart, along horizontal transects within major stratigraphic units to characterize the physical and chemical properties of the stratigraphic units. Additional samples were collected from clay-iron bands and their adjacent soil matrix (samples 30–35). Another set of samples was collected from vertical profiles to characterize the variation of soil/sediment properties with depth (samples 36–65). An arbitrary 30-cm-thick sample interval was taken in vertical profiles, unless a horizon or stratum was less than 30 cm thick, which dictated the use of thinner sample intervals.

All soil/sediment samples were subjected to particle size analysis (weight percent of sand, silt, clay) by the hydrometer method as described by (Gee and Bauder 1986) using 50-g subsamples. An additional subset of samples was subjected to total inorganic chemical analysis by dissolution in a cocktail of hydrofluoric-nitric-perchloric acids and analysis by inductively coupled plasma spectrometry (ICP) by Chemex Labs, Incorporated. Total carbon and nitrogen analysis also accompanied the ICP chemical analysis, which was measured with a Leco® HNS analyzer. Three thin sections were prepared by National Petrographic, Incorporated, by impregnating the samples with epoxy resin and cutting and grinding in oil to produce a final 2-x-3-inch thin section (30 microns thick). Radiocarbon samples were analyzed by Beta Analytic, Incorporated.

Geomorphic and Landscape Setting

The site occurs along the outer part of a prominent meander bend near the northeastern edge of the Neuse River valley where it is crossed by US Highway 401 (see Figure 2.1). The river is dammed about 12.75 km upstream (river-kms) to make Falls Lake. The bankfull channel of the Neuse River is about 45 m wide and 3.5 m deep, with a gradient of about 0.001 near the site, and a gradient of about 0.0004 throughout the 24-km reach upstream and downstream from the site. Thus, the site appears to be along a slightly over-steepened segment of the river. The channel meanders through a valley that is about 0.5 km wide, including terrace remnants. The meander pattern is incised into the gneisses and schists of the lower Piedmont, and the valley is composed of Holocene and Pleistocene floodplain and terrace deposits.

The present channel bed consists of pea gravel, which typically ranges in size from 2 to 4 mm. The site occurs within sediments of a prehistoric natural levee (paleo-levee) of the Neuse River that is about 0.5 to 1.0 m higher than and 20 m northeast of the present natural levee (Figure 2.2). Historical sediment drapes most of the floodplain, where it is up to 4 m thick, but is only about 10 to 20 cm thick on the paleo-levee (see Figure 2.1).

Alluvial Stratigraphy

Results indicate the presence of five alluvial stratigraphic units at the site (Figure 2.2), which are characterized in the profile descriptions (Appendix 2) and are summarized here. Radiocarbon dates that relate to the alluvial stratigraphy are presented in Table 2.1.

Table 2.1. Radiocarbon Dates Relevant to the Alluvial Stratigraphy at Neuse Levee.

Lab Number	Material Dated	^{14}C years B.P. ± 1 Standard Deviation (^{13}C normalized)	Calendar Age
Beta-118366	Uncarbonized Wood in Unit 4 @ 400 cm Depth	170 ± 50	A.D. 1780 ± 50
Beta-118367	Uncarbonized Wood in Unit 3 @ 450 cm Depth	1960 ± 50	10 B.C. ± 50
Beta-118287	Charcoal Flecks in Bt Horizon of Unit 1 @ 170 cm Depth	7270 ± 60	5320 B.C. ± 60
Beta-118288	Hickory Nut in Unit 1 @ 550 cm Depth	10,160 ± 80	8210 B.C. ± 80

Units 1 and 2 comprise a prehistoric natural levee, which contains sediments ranging in age from about 10,000 to 250 yr B.P. Unit 2 drapes unit 1 and contains most of the artifacts at the site. Unit 3 is late prehistoric slackwater floodplain sediment that ranges from about 2000 to 250 yr B.P. Unit 4 is historical alluvium that forms the present natural levee along the Neuse River, and unit 5 is historical gravel on the bed and bars of the Neuse River. Figures 2.3–2.9 provide comparisons between the sediment textures of each unit. Note that each of the stratigraphic units exhibits a general distance-decay pattern in terms of textural fining, with percent sand and the sand/silt ratio decreasing with distance from the levee crest, whereas the percent silt and clay increases. Such a pattern is typical of natural levee sediments.

It is significant to note that the gravel at the base of units 1–4 is more than 1 m below the unit 5 gravel in the modern stream bed (see Figure 2.2), indicating that the present stream bed has aggraded. Engineering boring logs (Law Engineering and Environmental Services 1996) indicate that the basal gravel in units 1–4 is about 0.7–0.8 m thick and that it overlies weathered bedrock.

Unit 1

Unit 1 is the oldest stratigraphic unit at the site and consists of basal alluvial gravel that is conformably overlain by overbank sediments. These sediments consist of sandy loam and loam textures and are massive, pedogenically altered, and exhibit no primary sedimentary structures. The lower half of the overbank deposits are gleyed with unoxidized gray colors (5Y hues) that grade upward into mottled gray and yellowish brown colors (2.5Y hues). The upper half of unit 1 exhibits a well-oxidized weathering profile, which includes a yellowish brown (10YR hues) Bt horizon (Appendix 2), and indicates a hiatus (or at least a reduction) in sedimentation that allowed weathering and soil formation. The upper surface of unit 1 is irregular and exhibits slight depressions (see Figure 2.2) that may have resulted from shallow erosional scour immediately prior to deposition of unit 2.

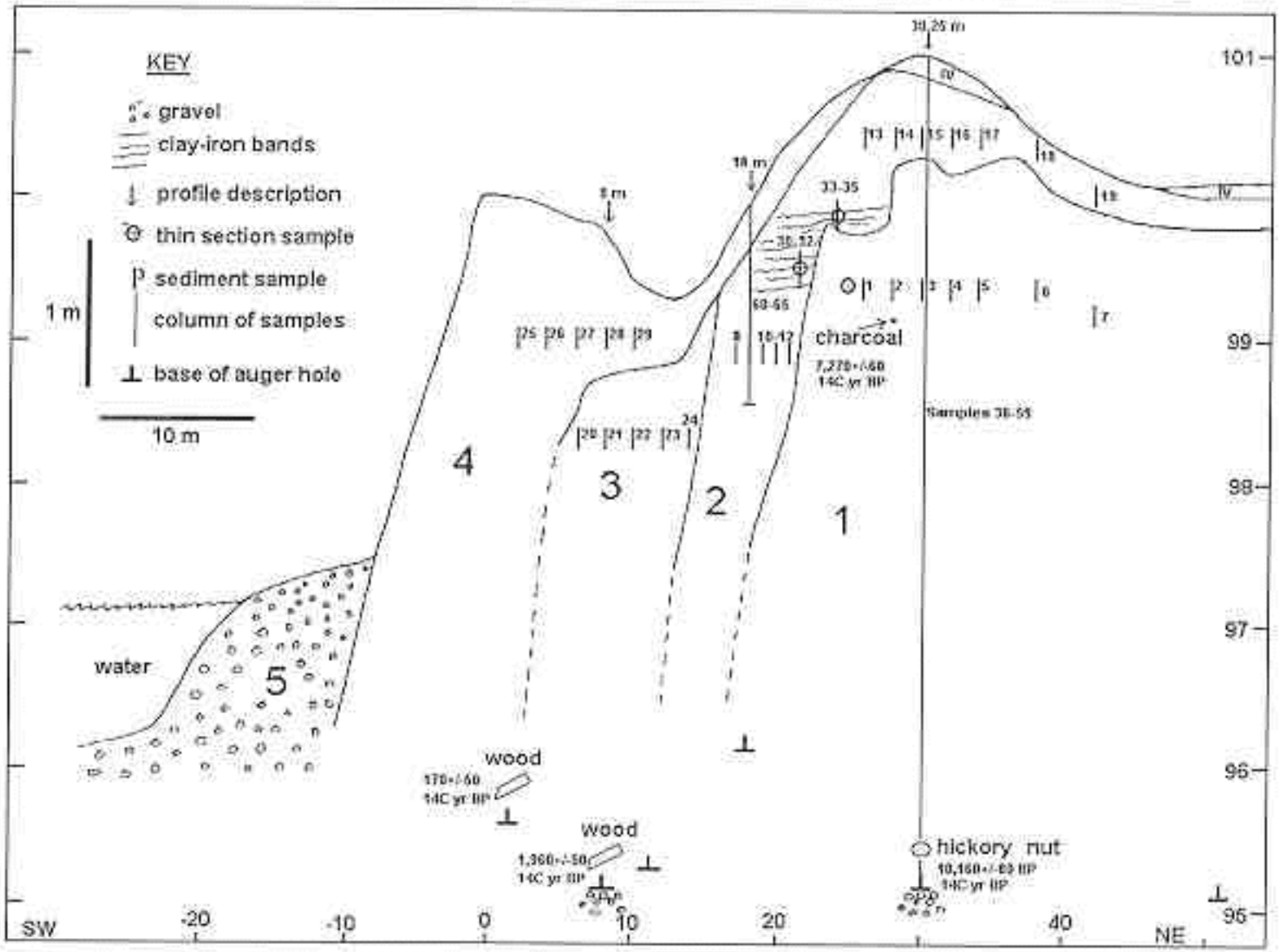


Figure 2.2. Stratigraphic Cross-Section of the Floodplain at 31WA1137. The scale is in meters, which do not correspond to the site datum. The section is perpendicular to the Neuse River channel.

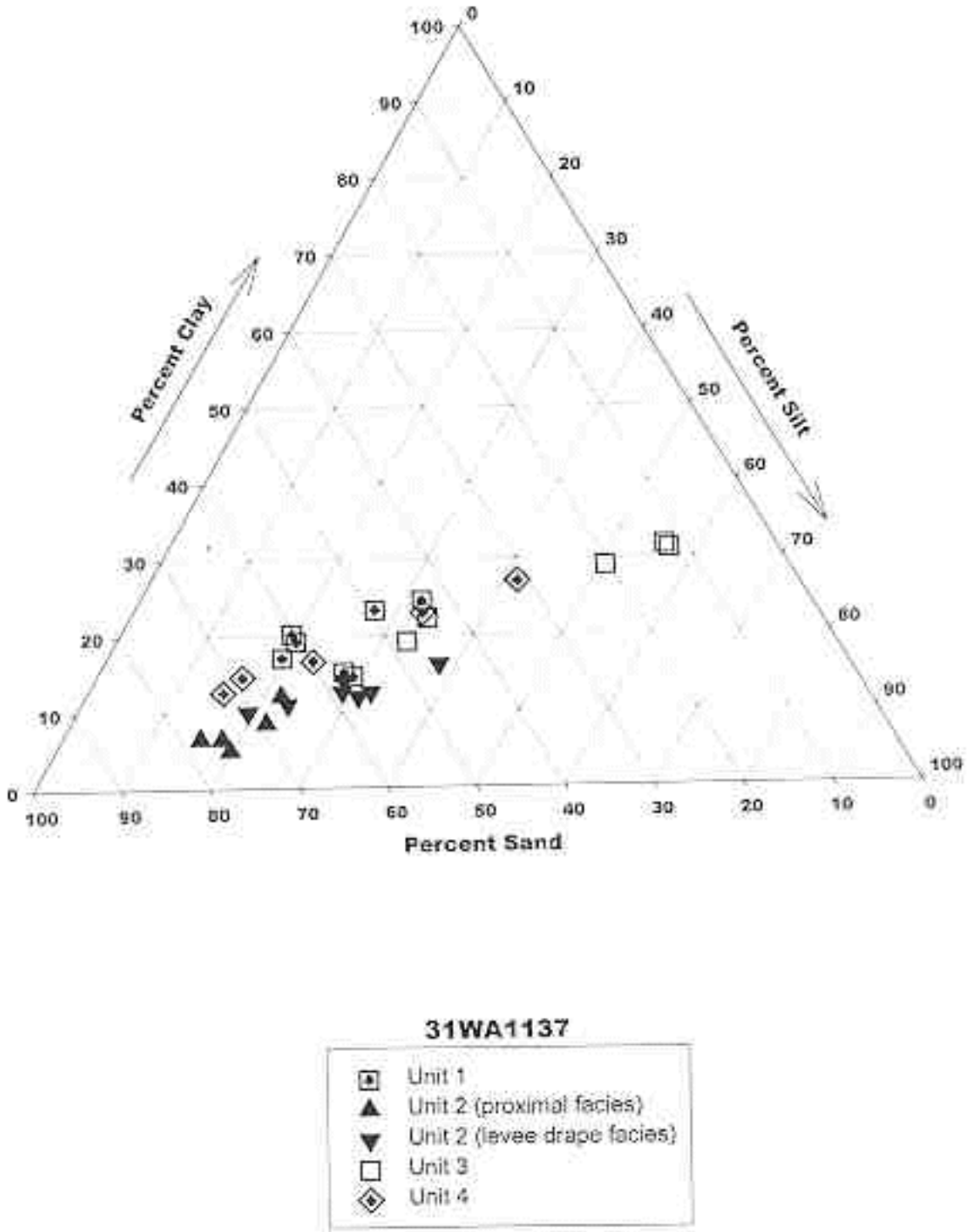


Figure 2.3. Ternary Plot of Sand, Silt, and Clay Percentages of Samples 1–29 that are Representative Grab Samples from Each of the Stratigraphic Units at 31WA1137. Note that unit 2 typically contains more silt and less clay than the other stratigraphic units.

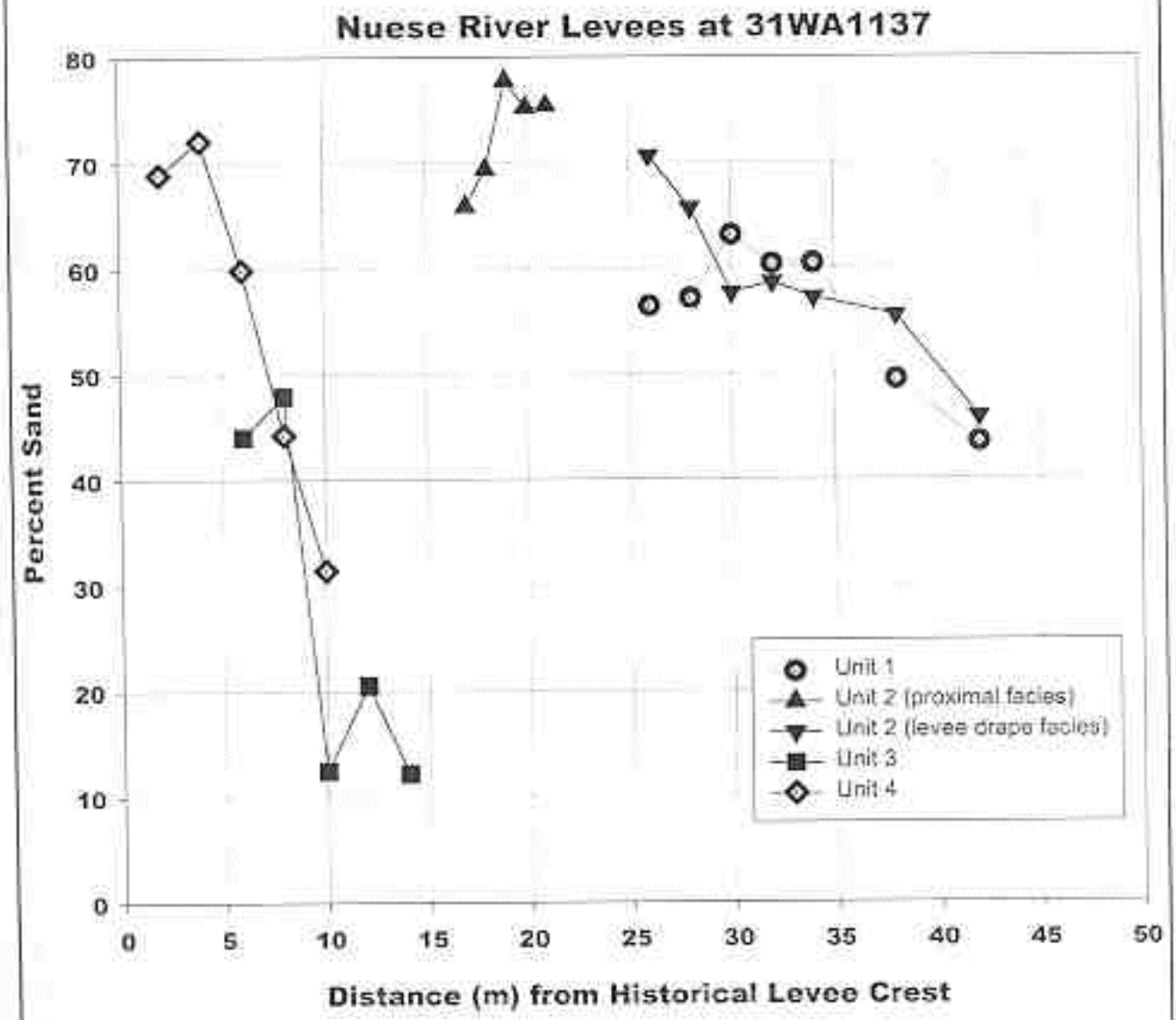


Figure 2.4. Plot of Percent Sand as a Function of Distance from the Modern Levee Crest, Illustrating the General Distance-Decay Functions of Particle Size away from the River Channel Position. The paleo-levee crest for units 1 and 2 would have been at about 30 m distance.

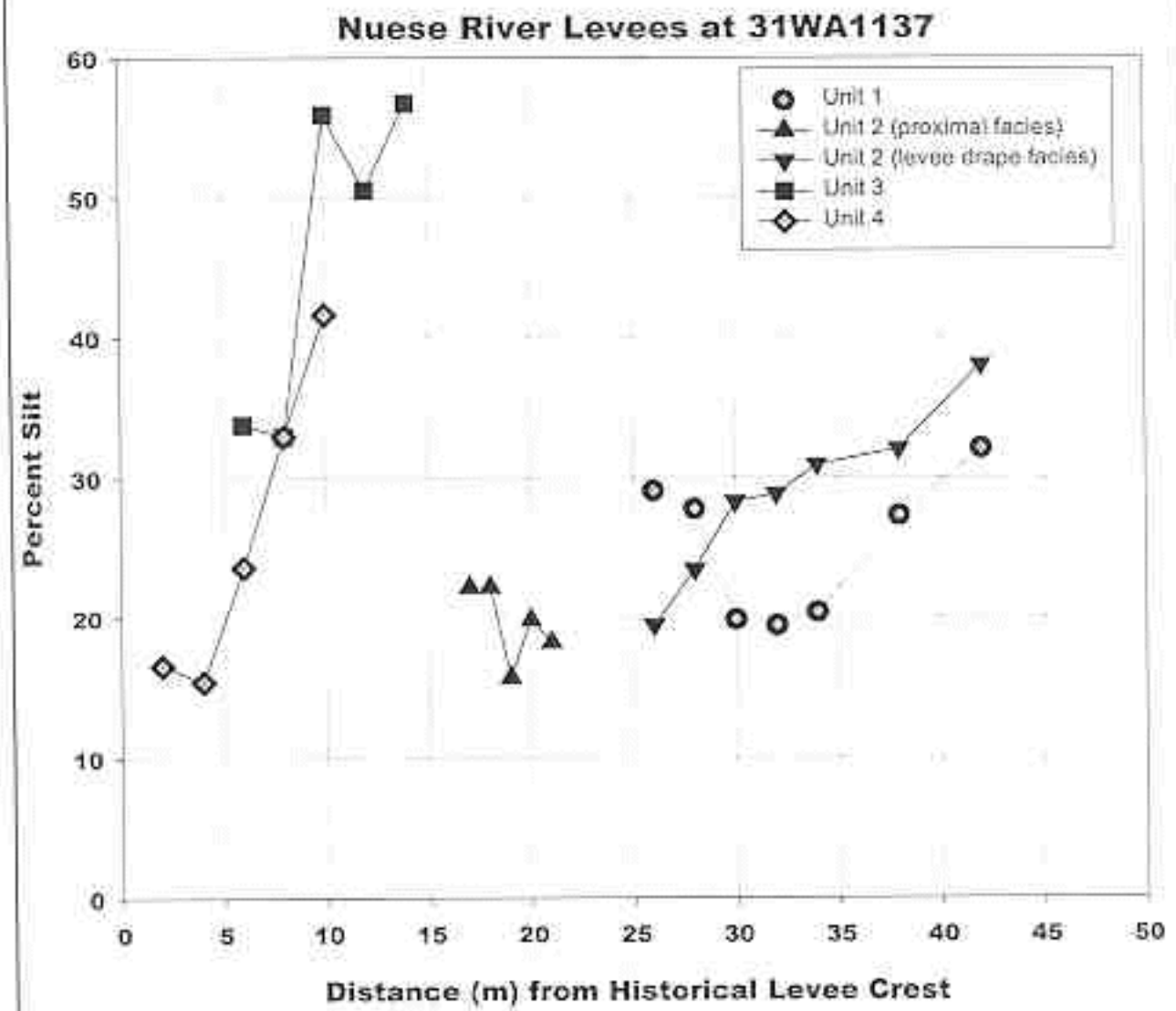


Figure 2.5. Plot of Percent Silt as a Function of Distance from the Modern Levee Crest, Illustrating the General Distance-Decay Functions of Particle Size away from the River Channel Position. The paleo-levee crest for units 1 and 2 would have been at about 30 m distance.

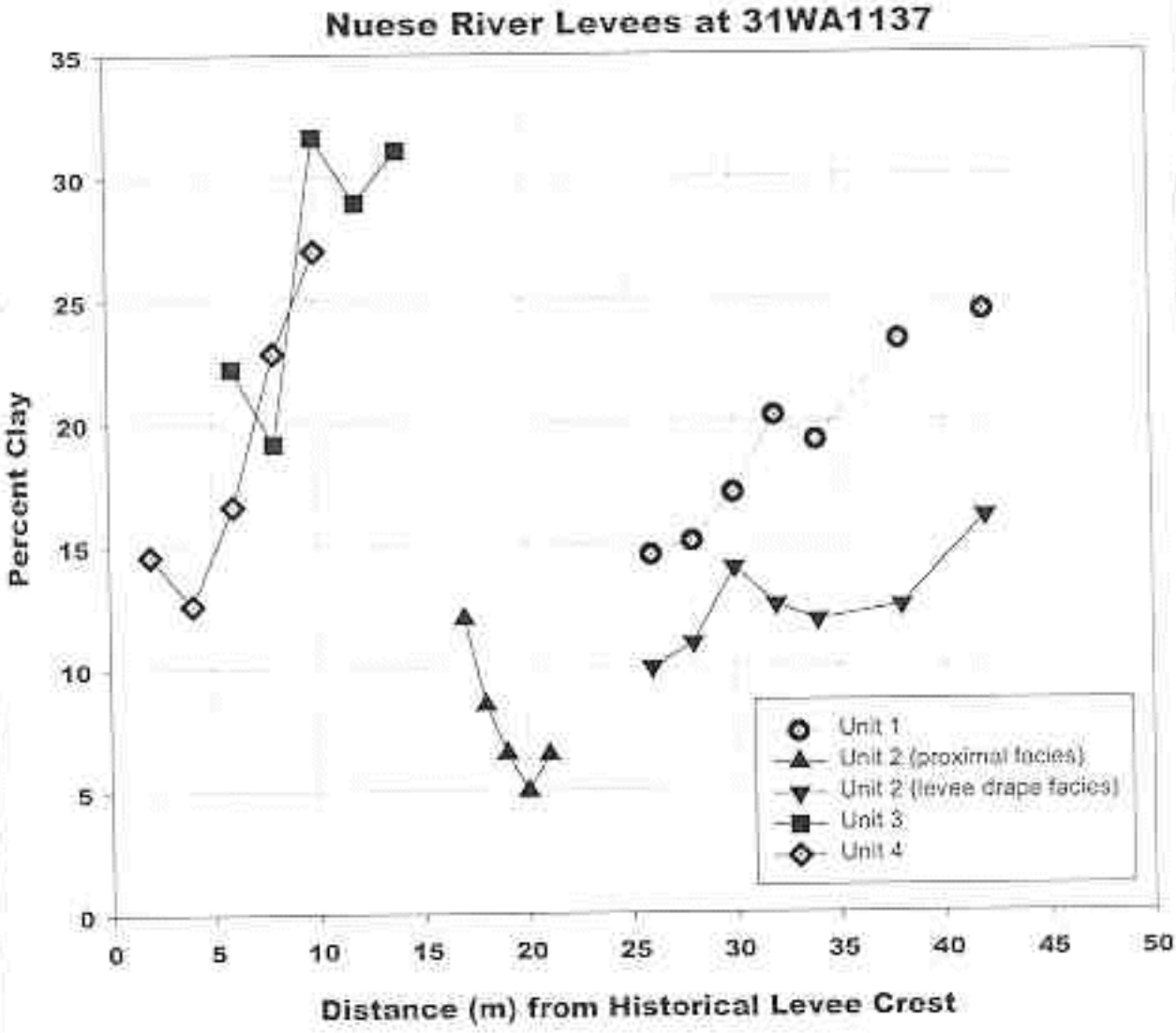


Figure 2.6. Plot of Percent Clay as a Function of Distance from the Modern Levee Crest, Illustrating the General Distance-Decay Functions of Particle Size Away from the River Channel Position. The paleo-levee crest for units 1 and 2 would have been at about 30 m distance.

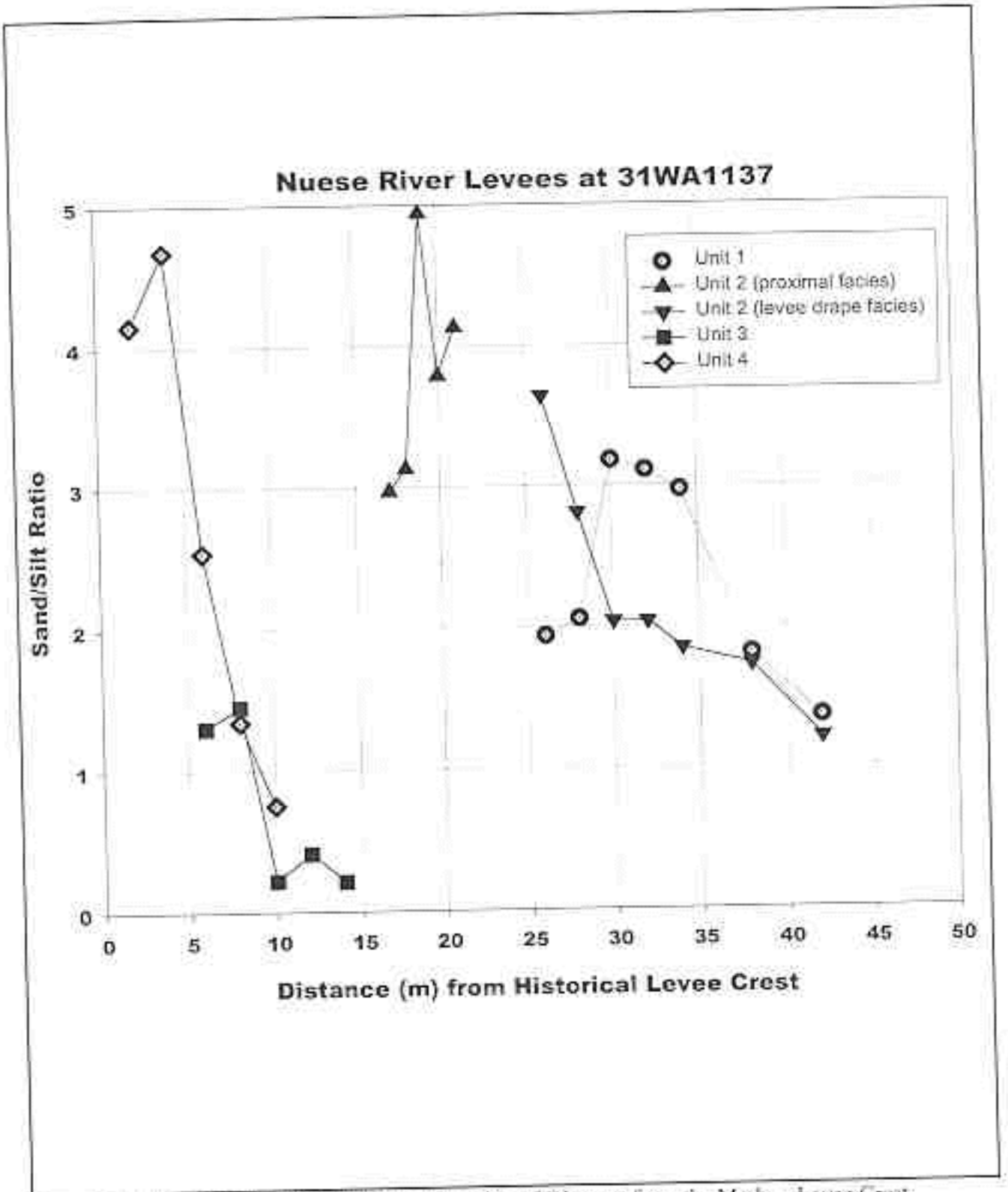


Figure 2.7. Plot of the Sand/Silt Ratio as a Function of Distance from the Modern Levee Crest, Illustrating the General Distance-Decay Functions of Particle Size Away from The River Channel Position. The paleo-levee crest for units 1 and 2 would have been at about 30 m distance. The sand/silt ratio removes the influence of pedogenic clay on the particle size distribution, and thus it is useful in resolving the sedimentology.

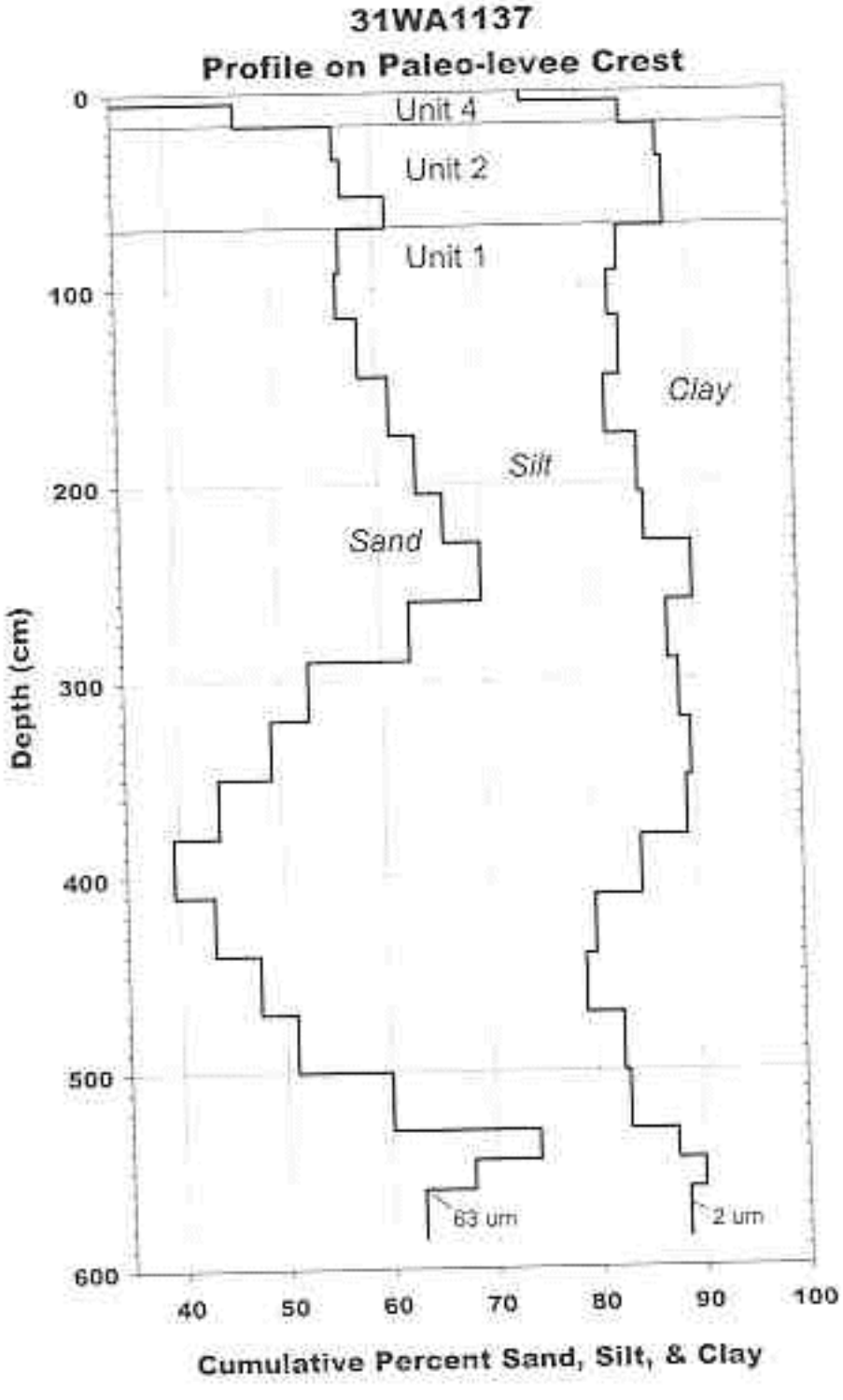


Figure 2.8. Particle Size Distribution of the Vertical Column of Samples Extending Down from the Crest of the Paleo-Levee at Site 31WA1137, Consisting of Samples 36–59 At 30.25 m Northeast of the Modern Levee Crest.

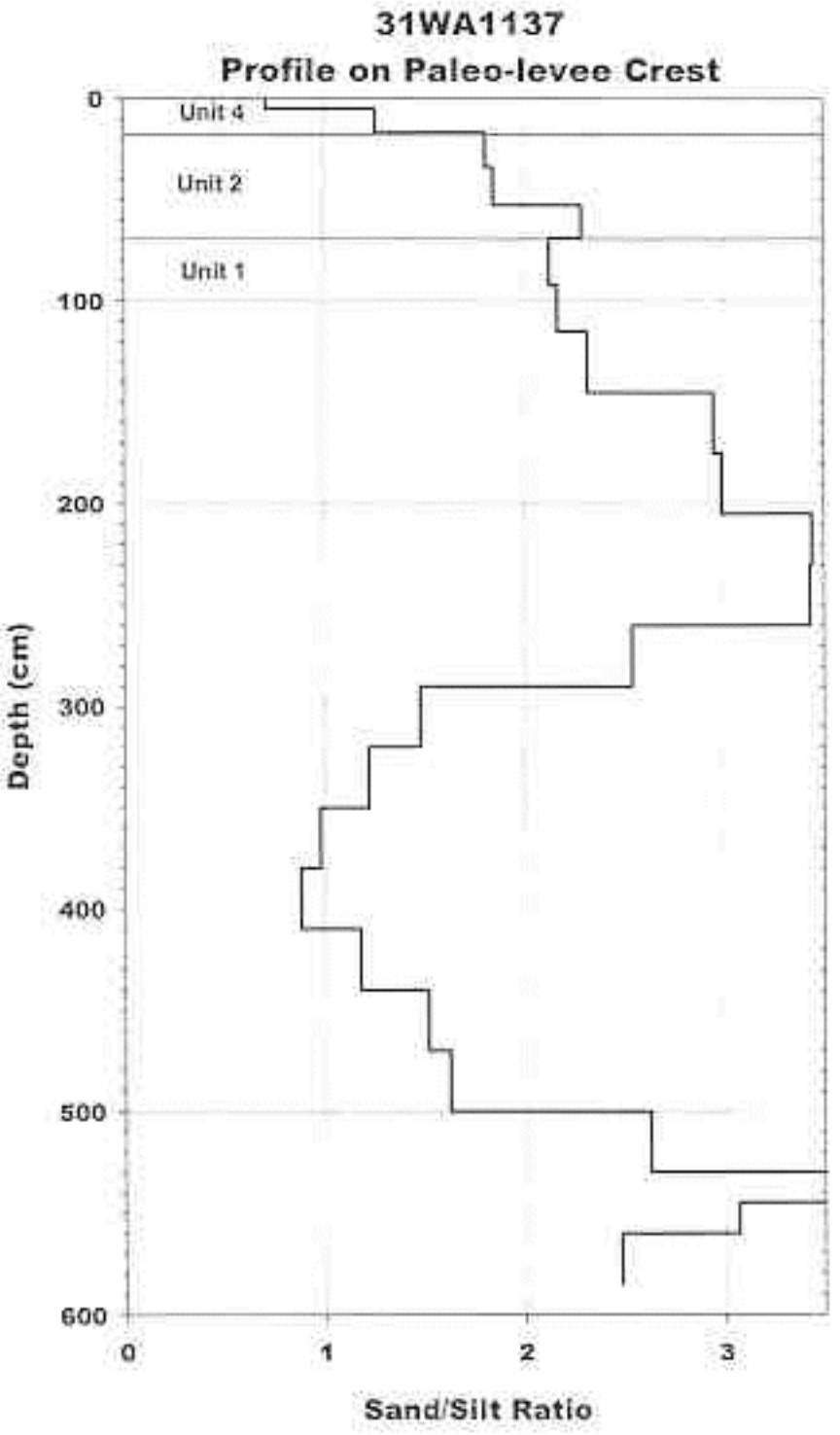


Figure 2.9. Plot of the Sand/Silt Ratio Values of the Vertical Column of Samples Extending Down from the Crest of the Paleo-Levee at Site 31WA1137, Consisting of Samples 36–59 at 30.25 m Northeast of the Modern Levee Crest.

Figures 2.3–2.7). Deep test excavations down into unit 1 indicate that it is culturally sterile. A basal AMS radiocarbon date from a hickory nut (*Carya aquatica*) in unit 1 at 550 cm depth (just above gravel) is 10,160±80 ^{14}C yr B.P., and another AMS radiocarbon date from unit 1 on charcoal flecks at 170 cm depth is 7,270±60 ^{14}C yr B.P. The 7,270±60 ^{14}C yr B.P. date is viewed as a minimum age because the charcoal may be intrusive or from a burned root, and because the presence of the buried Bt horizon at the top of unit 1 indicates a hiatus in sedimentation prior to 6,250 yr B.P. (or the time of Savannah River culture) that was arguably longer than 1,000 years, based on the level of Bt horizon development.

Particle size analysis of the sample column that extends down from the crest of the paleo-levee (samples 36–59, see Figure 2.2) indicates that unit 1 has three distinct graded sequences of overbank sedimentation (see Figures 2.8–2.9), including: (1) a fining-upward trend from the basal gravel at 585 cm up to about 380 cm depth; (2) a coarsening-upward (reverse graded) sequence from 380 to 230 cm depth; and (3) a fining-upward trend from 230 to 69 cm depth. These graded sequences probably resulted from the movement of the riverbank relative to the position of the sample site through time. That is, fining-upward sequences occurred when the river moved away or stayed in about the same place (a "normal" graded sequence), and coarsening-upward sequences occurred when the riverbank was cutting toward the site and the loci of high-energy sedimentation was getting progressively closer to the site through time (levee progradation or "reverse" graded sequence).

Unit 2

Unit 2 contains the prehistoric artifacts at the site. It juxtaposes and drapes unit 1, and is generally distinguished from unit 1 by having more silt and less clay (see Figures 2.3, 2.5, and 2.6). It typically consists of massive yellowish brown to light yellowish brown (10YR 5/4 to 6/4) fine sandy loam that grades downward into gleyed sediments. The boundary between unit 1 and unit 2 is conformable and is somewhat obscured by incipient Bt horizon formation (clay-iron lamellae). However, an irregular and possibly scoured surface at the top of unit 1 suggests that a brief period of erosion may have preceded the deposition of unit 2. Chemical data suggest that unit 2 indeed represents renewed sedimentation upon unit 1 (following a brief period of weathering in unit 1), because unit 2 has higher Ca/Ti, K/Ti, and Na/Ti ratios than unit 1 (Appendix 3), which are indicative of less weathered sediment. In addition, the general fining-upward trend in unit 1 from 230 cm toward the surface is interrupted by a pulse of sandy sediment that marks the base of unit 2 (see Figures 2.8 and 2.9 @ 53–69 cm depth, sample #40), and a different style of sedimentation on top of unit 1. A radiocarbon date of 1,960±50 ^{14}C yr B.P. from wood at the base of unit 3, and Woodland artifacts recovered near the top of unit 2, indicate a terminal age of about 2000 yr B.P. for unit 2, and Savannah River artifacts at the base of unit 2 indicate a basal age of c.4000 yr B.P., which is supported by the subjacent 7,270±60 ^{14}C yr B.P. date at about 1 m below the base of unit 2.

Unit 2 is subdivided into two subunits, including: (1) proximal facies and (2) levee drape facies. The proximal facies exist on the river channel side of the levee and descend down the proximal side of the levee to basal gravel, whereas the levee drape facies simply cap unit 1 along the top of the paleo-levee (see Figure 2.1). Figures 2.3–2.7 reveal that the proximal facies are of significantly coarser texture than the levee drape facies.

Clay-Iron Bands in Unit 2

An interesting attribute of unit 2 is the abundance of thin (1–3 cm thick) clay-iron bands (lamellae or beta-B bands) that occur within the proximal facies of unit 2 and on the river side of the levee crest in unit 2 (Figure 2.10; see Figure 2.2). Particle size analysis indicates that these clay-iron bands contain 14–15% clay and 2.0–2.1% iron, whereas their surrounding matrix contains 8% clay and 1.5–1.8% iron (samples 30–35, Appendix 2). Thin sections of these clay-iron bands reveal that there is no sedimentary difference between the matrix and clay-iron bands in the coarse fraction (Figure 2.11), and that the clay

Figure 2.10. Photograph Illustrating the Clay-Iron Bands in Unit 2 on the Proximal Side of the Paleo-Levee Crest. The line etched into the profile marks the approximate boundary between units 1 (marked "1") and 2 (marked "2"). The clay-iron bands merge with the Bt horizon in unit 1 and obscure the lithic boundary between units 1 and 2. Thin sections (see Figures 2.11 and 2.12) of the clay-iron bands indicate that they are of pedogenic origin, resulting from illuvial clay translocated down the soil profile. The location of the thin section studied are indicated by white o's. The thin section shown in Figures 2.11 and 2.12 is the one immediately to the upper right of the stadia rod. One of the thin sections was from the Bt horizon in unit 1, which confirmed presence of illuvial clay in that horizon. The trench height on the stadia rod is 2.20 m for scale.

Figure 2.11. Thin Section Photomicrograph of the Upper Boundary of a Clay-Iron Band under Plane Polarized Light at 20X Magnification. The frame width is approximately 60 mm. The dark matrix in the lower half is the clay-iron band, and the light matrix in the upper half is clean sand. Note that there is no apparent sedimentological difference between the sands in the clay-iron band and the sand above it.

enrichment is entirely of pedogenic origin. The pedogenic origin is indicated by the presence of microlaminated clay that fills pores and channels (Figure 2.12), which is diagnostic of pedogenic illuvial clay enrichment (Brewer 1976; Fitzpatrick 1984). Recent studies at other sites on natural levees in the Southeast also concluded a pedogenic origin (illuviation) for clay-iron bands (Larson and Schuldenrein 1990; Leigh 1998), which contradicts an earlier paper by Robinson and Rich (1960) concerning clay-iron bands in soils of the Southeast. In other parts of the United States, clay-iron bands typically have been explained by the process of clay illuviation (Berg 1984; Folks and Riecken 1956; Gile 1979; Wurman et al. 1959).

Unit 3

Unit 3 is a late Holocene slackwater deposit that ranges from about 2000 to 250 yr B.P. It consists of brown (7.5YR 4/4) to light olive brown (2.5Y 5/4) silty clay loam to loam with many light gray (2.5Y 7/2) mottles near its top, becoming coarser textured and unoxidized (5Y hues) with depth. Slight B horizon development is apparent in the upper part of unit 3, which is unconformably overlain by unit 4. A radiocarbon date of 1,960±50 ^{14}C yr B.P. near the base of unit 3 indicates a basal age of circa 2000 yr B.P. A radiocarbon date of 170±50 ^{14}C yr B.P. near the base of the overlying unit 4 indicates an upper age limit of circa 200–250 yr B.P. Unit 3 is characteristic of back-levee and backswamp sedimentation, and thus lacks much potential for containing in-situ Woodland artifacts.

Unit 4

Unit 4 is historical alluvium that makes the present natural levee along the Neuse River. It is characterized by thinly stratified and laminated sandy loam that is predominantly dark yellowish brown (10YR 4/4) in color, but includes numerous layers of lighter (2.5Y 7/2) and darker (10YR 3/2) strata. Unit 4 unconformably overlies unit 3 and makes the modern natural levee of the Neuse River. Three trees, dated by dendrochronology in the 70–90-year age range, were cored to estimate sedimentation rates during the time of tree growth based on the depth of their buried root crowns. This is a technique known as dendrogeomorphology (Hupp and Bazemore 1993). These trees indicated a sedimentation rate of 1–2 cm per year for the upper part of unit 4. A radiocarbon date of 170±50 ^{14}C yr B.P. at 400 cm depth in unit 4 indicates a long-term sedimentation rate of 1.8 to 3.3 cm per year. These sedimentation rates are about one order of magnitude higher than the fastest prehistoric rates and are consistent with the idea of rapid historical sedimentation resulting from agricultural and urban transformations of the Piedmont landscape (Trimble 1974).

Unit 5

Unit 5 is historical gravel on the bed and bars of the Neuse River. The most significant aspect of this gravel is that its surface is more than 1 m above the level of gravel in units 1–4. This indicates that the Neuse River bed has experienced significant aggradation during late historic time, perhaps within the last 100 years. It is possible that the channel bed aggradation is related to frequent releases of water from the dam upstream, which has scoured gravel immediately downstream of the dam and redeposited some of that gravel in the river reach near 31WA1137.

Geochemical Trends

Total chemical analysis was performed on all of the samples in the column extending down from the crest of the levee (samples 36–59), as well as on many other samples (Appendix 3). These data primarily were used to discern obvious differences between the stratigraphic units and to explore phosphorus concentrations for any anomalies in the vertical column that may have resulted from cultural activity. The results indicate a clear difference between units 1 and 2, based on the Ca/Ti, K/Ti, and Na/Ti ratios, as indicated earlier. Such a difference results from the relatively fresh and unweathered mineralogy of unit 2 compared to unit 1, which suggests that unit 1 had experienced some weathering

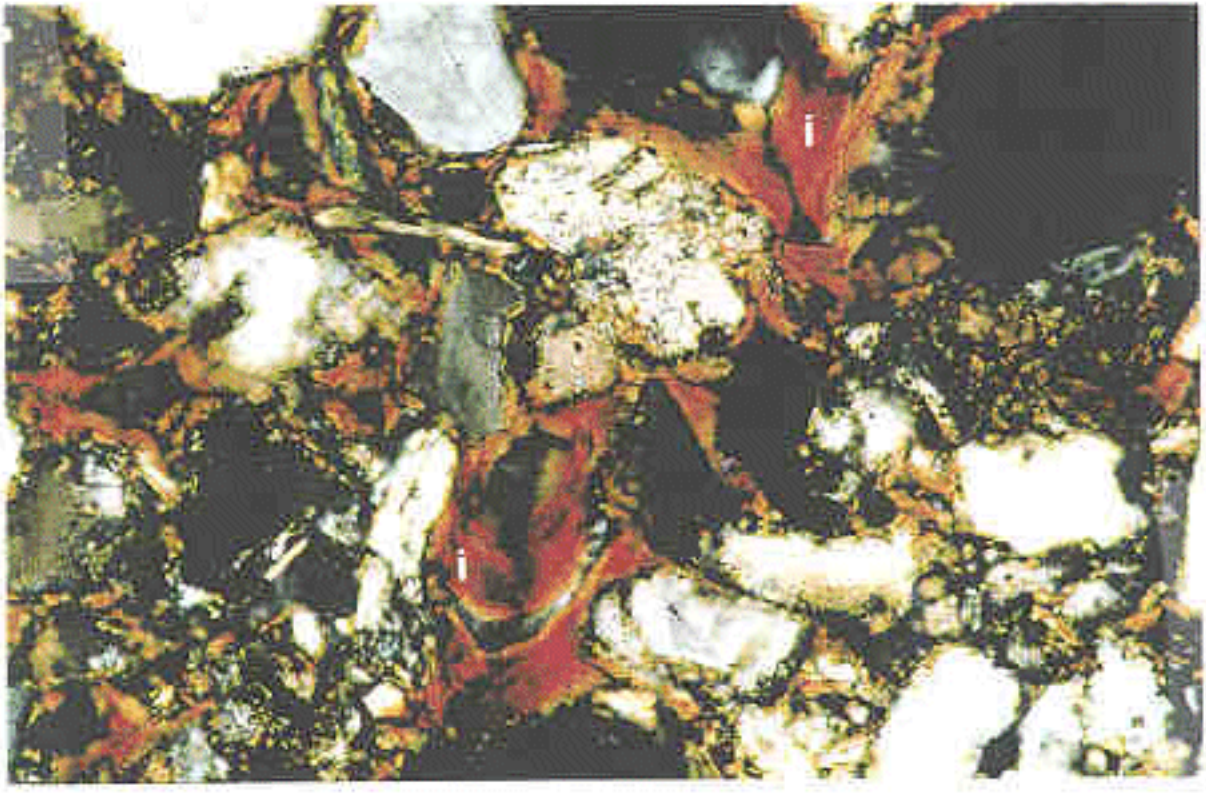


Figure 2.12. Close up (200X) Photomicrograph of the Microlaminated Illuvial Clay (Orange Pods with Black Bands Noted with an "i" on the Photo) In a Clay-Iron Band Under Polarized Light. Frame width is approximately 0.60 mm. The black bands that extend vertically through the orange clay pods are optical extinction bands, which indicate that the clay in the pod is preferentially oriented perpendicular to the extinction band, which indicates that it is microlaminated (or illuvial) clay. Note that the micro-laminated clay fills pores and voids between sand grains, which is also indicative of pedogenic illuvial clay.

prior to the deposition of unit 2, or that units 1 and 2 have a different provenance, or both. Although unit 2 contains the E horizon of the soil profile on the paleo-levee crest, the relatively fresh chemical signature of unit 2 (e.g., higher Ca/Ti, K/Ti, Na/Ti ratios) suggests that it is not as weathered as unit 1.

The possibility of finding phosphorus trends indicative of cultural activity was explored for the vertical columns of samples 36–59 and samples 60–65, based on the premise that cultural activity tends to elevate phosphorus concentrations in soil (Goffer 1980; Walker 1992). In both columns there is a progressive decrease in the phosphorus concentration and in the residual phosphorus values (Appendix 3, P and Res. P) with depths below the prehistoric buried A horizon at the top of unit 2. The residual analysis, which normalizes phosphorus concentrations with respect to percent carbon and percent clay, indicates that the Woodland occupation in the buried A horizon atop unit 2 is the only zone that registers cultural additions of phosphorus to the soil, with a residual value of 49 ppm (parts per million) (Appendix 3). Such additions may include bones or oil from fish processing, ash from fires, dung, and other residues. Curiously, the zone of Savannah River cultural materials beneath the levee crest does not register a phosphorus peak, which may suggest few activities by the Savannah River people that generated phosphorus residue. Perhaps the Savannah River people were only using the site for cobble reduction of lithic material obtained from the river channel.

Beneath the known cultural horizons, at a depth of 350–380 cm there appears to be a peak in phosphorus, represented by sample #51 with a residual phosphorus value of 60.7 ppm (Appendix 3). This may suggest cultural activity at greater depth or some other sort of phosphorus anomaly.

Depositional History

Lateral Migration of the Neuse River

At some time prior to 10,000 yr B.P. the Neuse River channel incised down to the minimum elevation represented in the cross-section (see Figure 2.2), as indicated by the 10,160±80 ^{14}C yr B.P. date. At 10,000–11,000 yr B.P. the channel was probably situated on the northeastern margin of the valley and deposited the gravel beneath that radiocarbon date. After 10,000 yr B.P. the channel migrated back to the southwest and stayed southwest of the paleo-levee crest while it migrated back and forth a number of times. A hypothetical sequence of channel migration, inferred from the graded sedimentary sequences in unit 1 and cut-and-fill stratigraphic sequences, is illustrated in Figure 2.13 and discussed below.

At times between 10,000 and 7000 yr B.P. the river channel progressively migrated (relative to the 30-m mark on the paleo-levee crest in Figure 2.2) away from the site to the southwest, back toward the site to the northeast, and finally away from the site to the southwest, producing the normal-reverse-normal graded sequence apparent in the overbank deposits of unit 1. Unfortunately, it is impossible to tell how far the channel migrated without radiocarbon dates from alluvium on the other side of the valley. Between 10,000 and 7000 yr B.P., the sediments beneath the paleo-levee were gradually aggrading at a rate of about 0.20–0.10 cm/year to form unit 1. At some time c.7,000–6,000 B.P., shortly prior to the Savannah River occupation, the channel migrated back toward the crest of the paleo-levee and eroded the upper part of unit 1 that is juxtaposed and covered by unit 2. The irregular surface noted atop unit 1 was scoured at this time. In addition, the first layers of unit 2, containing the Savannah River component, were deposited immediately following this episode of scouring. The people who created the Savannah River artifact scatter were probably living immediately adjacent to the river bank. In the time following the Savannah River occupation (c.6000–2000 yr B.P.), the channel gradually migrated away from the crest of the paleo-levee, depositing unit 2. At some time c.2000 yr B.P. the channel probably reversed its direction and cut back into unit 2, then reversed its migration back to the southwest, depositing unit 3. At some time c.250 yr B.P. the channel reversed direction again and cut into unit 3. This migration was followed by a reversal back to the southwest and the emplacement of the modern natural levee and the sediments of units 4 and 5. In recent decades the channel bed has aggraded, perhaps in response to dam releases, resulting in the relatively high elevation of the channel bed gravel in unit 5.

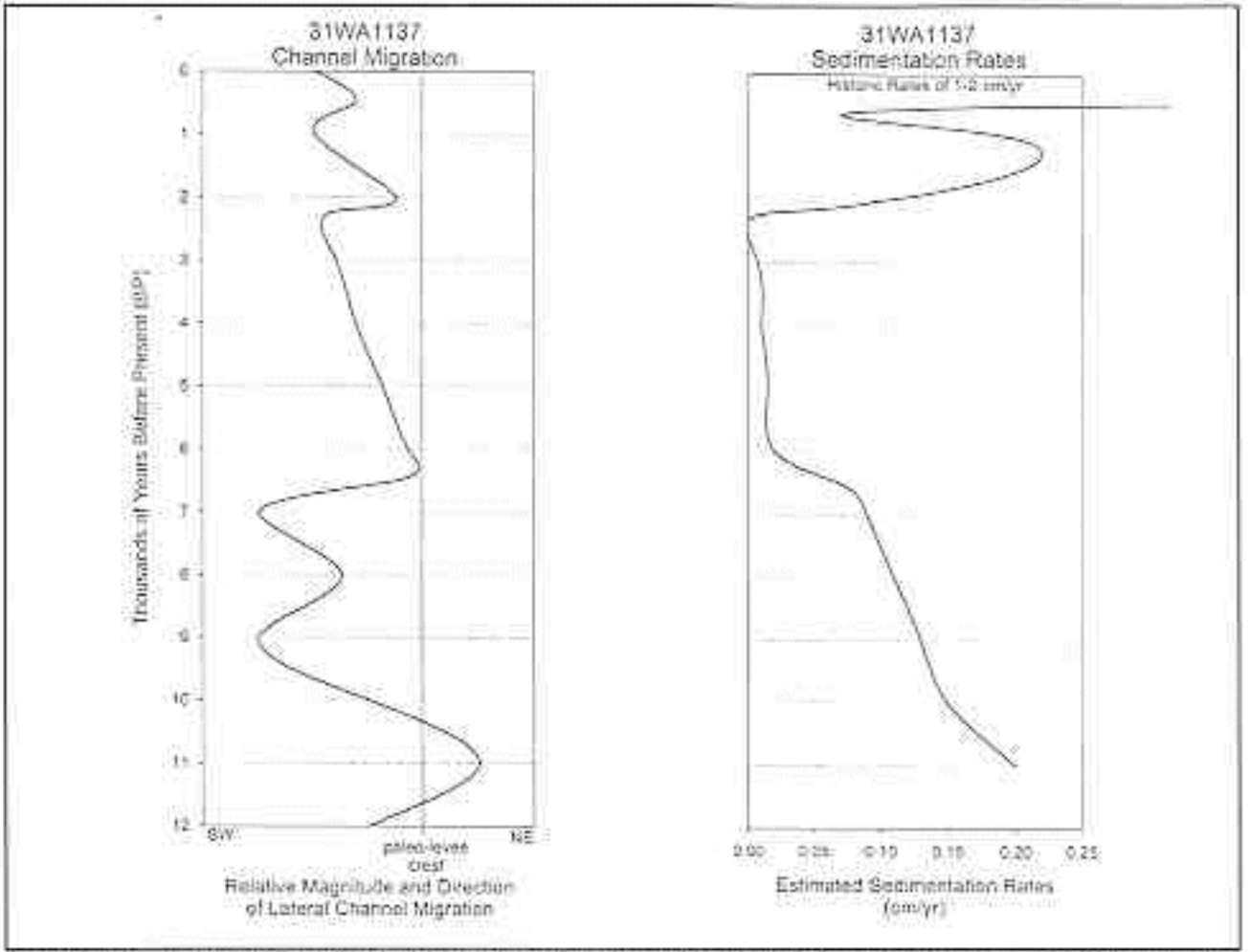


Figure 2.13. Hypothetical Variation in the Direction of Lateral Channel Migration and Sedimentation Rates at Site 31WA1137.

Sedimentation Rates

Long-term average sedimentation rates for the overbank sediments can be inferred from the available radiocarbon dates and dendrochronology data. These rates are presented in Table 2.2. The most striking aspect of the sedimentation rates is that the historical rates of unit 4 are more than an order of magnitude greater than the prehistoric rates of units 1–3. Such rapid historical sedimentation rates are consistent with the historical transformation of the landscape from forest to agriculture, which induced high erosion rates and greater sediment loads in Piedmont streams (Trimble 1974).

Another interesting difference in sedimentation rates is that observed between unit 1 (0.13 cm/yr) and unit 2 (0.01 cm/yr), where there is about an order of magnitude difference. This difference possibly is the normal product of levee aggradation and the hyperbolic decay in sedimentation rates as the levee built higher, which is not well represented by force-fitting the long-term average sedimentation rates (see Table 2.2). As a levee aggrades, fewer floods overtop it and fewer opportunities are available for levee sedimentation. Ritter et al. (1995:237–238) note that as a floodplain (or levee) surface is flooded less frequently, the rate of growth (sedimentation rate) is drastically retarded. They illustrate a hyperbolic function as the norm for floodplain sedimentation. Based on this nonlinear style of changing sedimentation rates, the differences observed between unit 1 and unit 2 could be viewed as intrinsic to the fluvial system and meaningless in terms of changes in climate and sediment loads. This would be consistent with the idea that the 7,270±60 date is too young. Alternatively, the relatively rapid

Table 2.2. Calculated Long-Term Sedimentation Rates from Radiocarbon Dates.

Sediment Interval (cm)	Time Interval (years)	cm / years	Sedimentation Rate (cm/yr)*	Pertains to:
550–69	10,160–6,500	481 cm/3660 yrs	0.13 cm/yr	all of unit 1
550–170	10,160–7,270	380 cm/2890 yrs	0.13 cm/yr	lower unit 1
170–69	7,270–6,500	101 cm/770 yrs	0.13 cm/yr	upper unit 1
69–17	6,500–250	52 cm/6,250 yrs	0.01 cm/yr	unit 2
17–0	250–0	17 cm/250 yrs	0.07 cm/yr	unit 4 (on paleo-levee)
450–102	1960–250	348 cm/1710 yrs	0.20 cm/yr	unit 3
400–0	250–0	400 cm/250 yrs	1.60 cm/yr	unit 4
85–0 (tree 3)	70–0	85 cm/70 yrs	1.21 cm/yr	unit 4 (top)
125–0 (tree 5)	80–0	125 cm/80 yrs	1.56 cm/yr	unit 4 (top)

* These are long-term averages, representing the entire sediment interval

sedimentation rates in unit 1 may suggest more frequent flooding and sedimentation that were climatically driven during the early to middle Holocene between 10,000–6500 yr B.P. Many sites in the southeast register more rapid sedimentation rates during the early Archaic than during the middle Archaic (Leigh 1998; Schuldenrein 1996), but at these sites the relative importance of intrinsic versus extrinsic (climate) forcing mechanisms is not clearly understood. Indeed, at 31WA1137 the sedimentation rates in unit 3 are relatively high (0.2 cm/yr), but unit 3 is a low-lying fluvial surface that is quite subject to flooding.

At site 31WA1137 the issue of intrinsic versus extrinsic (climatic) forcing mechanisms on the sedimentation rates cannot be resolved, but it is clear that sedimentation rates on the crest of the paleo-levee slowed down considerably at about 6,000 to 7,000 yr B.P. This reduction probably made the crest of the paleo-levee a more favorable place to live and perhaps explains the appearance of cultural artifacts in unit 2.

Pedogenic History of the Paleo-Levee

Soil profile and geochemical data indicate that sedimentation of the paleo-levee was rapid enough to exceed (or keep pace with) weathering rates until about 6,000 to 7,000 years ago. About 7,000 years ago the depositional rates slowed so that pedogenesis was able to exceed sedimentation rates and began forming a distinct Bt horizon. The Bt horizon present in the upper part of unit 1 probably began to form c.7,000 years ago and continued forming throughout the late Holocene. Residual analysis of the percent of clay in the Bt indicates illuvial clay enrichment of about 2–7% (Appendix 3). The backslope of the paleo-levee contains the greatest amount of illuvial clay, which probably results because there is a thinner drape of unit 2 atop the Bt in that position, and because of a greater source of detrital fines on the backslope of the paleo-levee. The back levee part of unit 1 also is probably older then the southwestern part of unit 1, as indicated by the graded sequence and final lateral migration to the southwest.

As the sediments of unit 2 accumulated, c.6,500–2,000 years ago, unit 2 acted as a source of illuvial clays that percolated down through the profile and accumulated in the Bt in unit 1. Illuvial clay-iron bands that occur in unit 2 clearly indicate that clay illuviation extended into the time of unit 2 deposition (6000–2000 yr B.P.). In the Savannah River strata at the base of unit 2 illuvial clay-iron bands cover the cultural strata in some places, which clearly indicates illuvial clay translocation after about 6250 yr B.P. In fact, clay illuviation has probably continued throughout the late Holocene, so that some of the youngest clay-iron bands may be only hundreds of years old. At some time circa. 2000 yr B.P. sedimentation sufficiently declined on the crest of the paleo-levee so that an A horizon (now an Ab) could form, which contains the Woodland components. In the proximal facies of unit 2 no Bt horizon is present, and there is only a Bw and strands of clay-iron bands below the Woodland A horizon. This possibly indicates that the southwesterly lateral migration of the river channel and deposition of the proximal facies of unit 2 occurred toward the end of the time period of unit 2 sedimentation.

Summary

The sediments at 31WA1137 preserve a long record of Holocene sedimentation. Key aspects of this record include: (1) incision of the fluvial system to maximum depths, in fact to levels beneath the modern channel, occurred prior to 10,000 yr B.P.; (2) sedimentation rates on the crest of the paleo-levee since about 7,000 years ago have been considerably slower than those prior to that time, perhaps making the paleo-levee a favorable occupation site due to a low frequency of flooding; (3) clay-iron bands found in unit 2 are the product of clay illuviation (the downward translocation of clay within the soil profile) and not of flood sediments; (4) the Savannah River people probably were situated immediately adjacent to the active river channel, whereas later cultures saw the river migrate away from the crest of the pale-levee; and (5) the modern levee, though similar in form to the paleo-levee, accumulated under very rapid sedimentation rates that probably resulted from increased sediment loads in the Neuse River caused by historical land use transformations in the watershed.

SOILS

The overall project area is in the Appling-Louisburg-Wedowee soil association (Figure 2.14), which has gently sloping to steep, well-drained and somewhat excessively well drained soils that have a subsoil of friable coarse sandy loam to firm clay (Cawthorn 1970:6). These soils are derived from granite, gneiss, and schist. As is the case at Neuse Levee, the steep variants of the association mantle slopes adjacent to streams. The three constituents of the association each comprise about 20% of the total.

About half of the Appling-Louisburg-Wedowee association is cultivated, and the agricultural acreage is divided into farms of less than 200 acres. Tobacco, cotton, soybeans, and corn are the most frequent crops. The soil is easily tilled but susceptible to drought and erosion. Good private wells are common, yielding 10 to 15 gallons per minute, and the water supply is good except in times of extreme drought.

Neuse Levee is located on Congaree soil (Co, Cawthorn 1970:20) fine silty loam, not a recognized part of the association because it is on the floodplain. In a typical Congaree profile the surface layer is dark brown (7.5YR 4/4) to strong brown (7.5YR 5/8) fine sandy loam 4–12 inches thick. The subsoil is brownish yellow to dark grayish brown, fine sandy loam to silty clay loam 10–108 inches thick. The soil responds well to agriculture and most of the acreage in the county is in cultivation or pasture.

The nearby soil is Wake gravelly loamy sand (WkE, Cawthorn 1970:57), 10–25% slope. The Wake soils are generally a thin veneer over granite, gneiss, and schist bedrock. The top layer is brown (10YR 5/3) gravelly loamy sand. It is very acidic and generally covered in forest. They are excessively well drained and not good agricultural land. The type section for the soil is east of Wake Crossroads. Most of this soil type is in the northeastern part of the county.

Soil at the top of the valley wall is Weedowee (WmC2) sandy loam, 6–10% slope. Weedowee is highly acidic, deep soil that forms under forests and is currently important for agriculture.

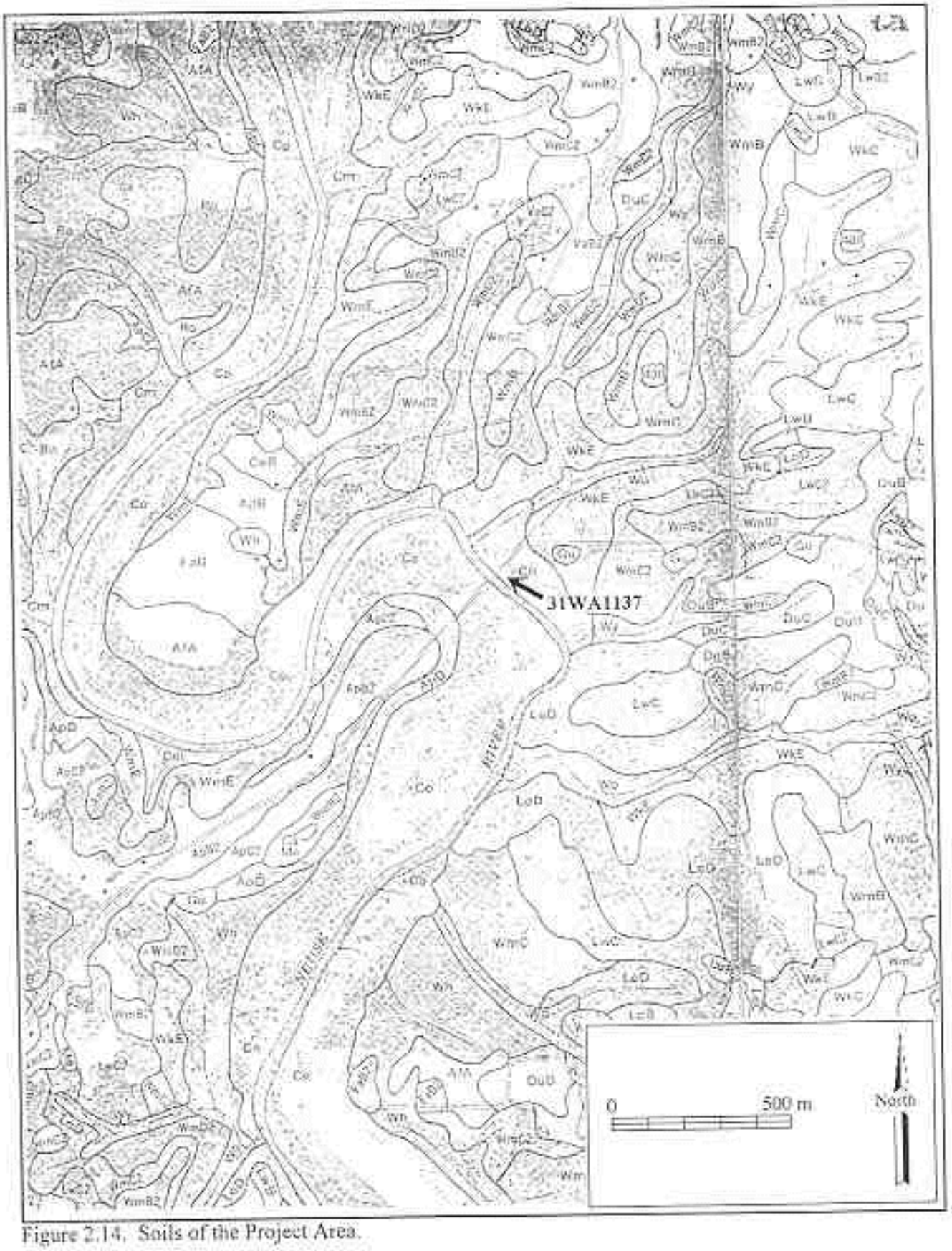


Figure 2.14. Soils of the Project Area.

CLIMATE AND PALEOCLIMATE

The modern climate of Wake County is characterized by warm summers and mild but occasionally cold winters. The average daily maximum temperature in Raleigh during July is 88.8°F, with an average minimum temperature of 68.7°F. During January the average daily maximum temperature is 50.3°F, with an average daily minimum temperature of 30.1°F. These averages conceal considerable variation, however, as two years in 10 will have at least four days with a July high temperature of at least 98°F and a January low of 13°F or less. The county averages about 220 frost-free days each year, with a standard deviation of 19 days. There are no distinct wet or dry seasons. The driest month on average is November, with 3.24 inches of precipitation, and the wettest month is July, with 4.44 inches of rain. Some snow falls in the county most winters, with a yearly average of about two inches (Epperson 1971).

Among the notable qualities of the southeastern Atlantic Slope are high evapotranspiration rates during summer (Currie and Paquin 1987: Figure 2.15). High evapotranspiration sponsors species diversity, so under prehistoric conditions North Carolina would have been one of the most diverse environments in North America. This might help explain the diversified and often unchanging subsistence economy in the region. If a group of people lives in a richly diversified environment and they learn to exploit a wide range of resources from that environment, then changes in the circumstances of that group will be obscured by their simply shifting the emphases of their subsistence within the existing range of resources rather than making qualitative changes in the food-gathering practices. They will not select a different range of resources under changed conditions, but will reapportion or reallocate the target resources to adjust to new conditions.

Dealing with cultural chronologies that span thousands of years and reach to times that are generally understood to have exhibited substantially different environmental conditions strains even the very broad-spectrum outlook on North Carolina's prehistory. The 11,000-year sequence of human occupation of the Atlantic Slope is divided into two broad climatic episodes. The earlier episode, before 8000 B.C., is the Ice Age, or Pleistocene. The period after 8000 B.C. is referred to as the Holocene. Studies of late Pleistocene climate around the north Atlantic basin have shown it to be somewhat different from that of the world at large (Broecker 1995; Kutzbach and Bryson 1974). Pleistocene conditions ended in most areas of the world around 13,000 years ago. This can be observed in North Africa (McBurney 1967) and in the southern United States (Delcourt and Delcourt 1983; Watts 1979, 1980). In the Midwest between 11,000 and 9500 B.C., warm, deciduous forests advanced as far north as the Great Lakes (Dreimanis 1977). However, due to the wasting of the Canadian Laurentide ice sheet, near-ice-age conditions reappeared in the Northeast and in northwestern Europe (Broecker and Denton 1990; Fitting 1974). The most pronounced of these cold episodes followed 9000 B.C., when runoff from the melting glacier suddenly shifted from the Mississippi River to the St. Lawrence River (Broecker and Denton 1988). The rush of cold fresh water from the St. Lawrence River disrupted the worldwide ocean circulation of warm water northward, returning the north Atlantic basin to ice-age–like conditions for about 700 years (Broecker 1995). It was a somewhat cooler period in most of the world, but was quite cold in northeastern North America. It should be thought of as resembling the Little Ice Ages of the last thousand years, rather than a reappearance of full glacial conditions. It was probably the first of the Little Ice Ages rather than the last of the great ice ages (Gunn 1992). During the Holocene, the Pleistocene glaciers retreated and finally disappeared.

These vast changes in global climate have been driven by several astronomical and geophysical influences. Over 23,000-year periods, wobbling of the earth's axis appears to have been the greatest influence (Table 2.3). The effects were the most dramatic in the northern hemisphere. During the ice ages, the north pole tilted away from the sun in the fall (Kukla 1975; Kukla and Gavin 1992). These dark falls allowed the glaciers to grow each year and eventually expand to immense proportions. For humans, the falls were probably visibly darker. The tilting reduced the supply of energy from the sun reaching the northern hemisphere by 7 percent in winter. During ice ages, seasonality was replaced by an equitable climate of permanent poleward winter and permanent equatorial summer, although the

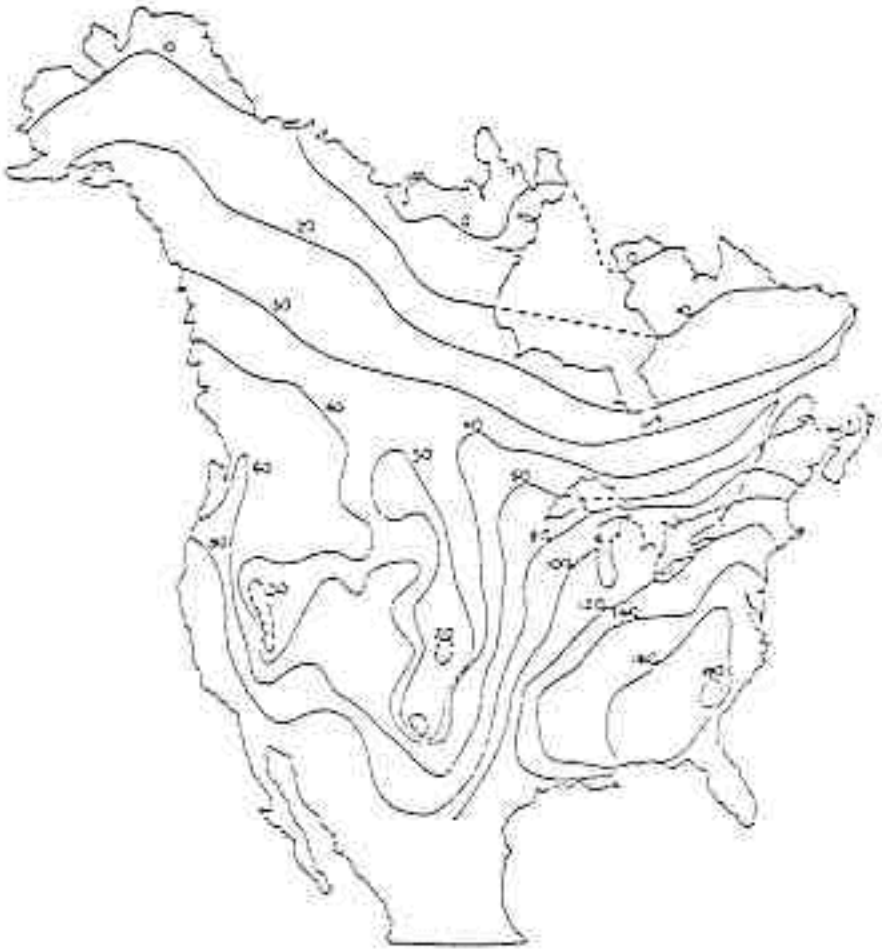


Figure 2.15. Evapotranspiration Rates in North America (as illustrated in Currie and Paquin 1987).

summers were cool like spring. During the Holocene interglacial, the tilt of the earth's axis shifted toward the sun in summer and away in winter (Bryson 1994; Davis and Sellers 1994). This would have resulted in bright, hot summers and dark, extremely cold, dry winters.

Of primary concern for this project is how these global conditions were reflected in local living conditions. Carbone's (1976) extensive environmental research on the Thunderbird site in Virginia revealed equitable seasons during the Pleistocene that produced a mosaic vegetation, a species-diverse, patchy arrangement of plant and animal communities. Overlapping the Middle Holocene (6200–3000 B.C. radiocarbon; corrected=7247–7100 B.C. to 3782 B.C. [Stuiver and Reimer 1993]), a mesic period characterized by hemlock and oak appeared in the mountains (Carbone 1976). At the same time, Watts (1979, 1980) suggests xeric conditions on the coastal plain. The coexistence of mesic conditions in the mountains and xeric conditions on the coastal plain and Piedmont is not inconsistent with the weather system processes of hot world conditions (Gunn and Foss 1992; Gunn and Wilson 1993; Millis et al. 1998). Moisture-laden summer winds cross hot, flat dry surfaces near the coast to inundate mountain uplifts.

Table 2.3. Global Climate Periods (Calendar) Driven by Rotational Wobble (Bryson 1994; Kutzbach and Guetter 1986).

Period	Seasonal Distribution of Energy	Dates
Pleistocene	Equitable	>11,000 B.C.
Latest Pleistocene	Somewhat Equitable	11,000–8000 B.C.
Early Holocene	Cold Winter, Hot Summer	8000–5500 B.C.
Middle Holocene	Cold Winter, Hot Summer	5500–2500 B.C.
Late Holocene	Somewhat Equitable	2500 B.C.–Present

Further information on moisture can be obtained by observing changes in coastal occupations and sea levels. Native American use of oysters on the shores of upper Chesapeake Bay did not appear until 4000 B.C. (Wesler 1985:214). Global sea level determinations (Tanner 1993) indicate that there was a high stand of sea level between 4800 and 3000 B.C. 2 m above that of the present. This may account for the sudden appearance of shell middens in the Chesapeake Bay at that time, because it would have moved the estuarine exploitation zone back from the present coast. It also suggests broad estuaries that could have supplied moisture to surrounding areas via on-shore winds.

There is also evidence of old low sea level stands. Blanton (1996) reports sites offshore in Chesapeake Bay discovered by watermen. Diagnostic artifacts date to the Late Archaic between 3500 and 1500 B.C. The sites are 5–8 m below current sea level. Local geologists argue that there has been about 2 m of land surface subsidence since the Late Archaic. Tanner's (1993) investigations of sea level revealed a –4 m low stand between 3000 and 2000 B.C., which overlaps the Late Archaic. This estimate corresponds with Blanton's dates and, when the subsidence is accounted for, it corresponds in depth as well. This finding suggests reduced estuaries and dry times in nearby uplands.

Tanner (1993) has found a method of documenting sea level changes over long periods of time by studying isostatically rebounding beaches on the eastern shores of Denmark. Since the beaches are lifted away from wave action, the recorded sea levels are not erased by subsequent changes. An 8,000-year sea level curve has resulted from these studies. Although the curve in Figure 2.16 is tentative relative to magnitude of changes, it provides an interesting background for discussions of areas heavily influenced by coastal shallows, of which North Carolina is the premier example on the Atlantic seaboard because of a broad, gently sloping Coastal Plain and continental shelf. Among other interesting characteristics, there is a distinct change in the mean and amplitude of variations at 3000 B.C., a date that figures prominently in regional cultural and environmental changes. Mathis (1998), for example, has found that shell-tempered ceramics are confined to the northern coastline, where shallows support greater numbers of shellfish.

Changing sea level influences seasonality of precipitation. The seasonality of precipitation is one of the key factors in human adaptation to a region and is also reflected in land surface stability (Gunn, Folan et al. 1995; Gunn and Foss 1992). Land surface stability is of first importance in searching for archaeological sites and reconstructing landscapes. This is particularly so in areas where changes in the water table induced by base level can have widespread effects far beyond the coastline. The lower Savannah River valley has recently been suggested as a location where minor sea level changes influenced conditions far inland (Brooks et al. 1986; Brooks et al. 1989; Gunn, Lilly et al. 1995).

It should not be assumed that climate changes were confined to the prehistoric era. For example, changes in climate since the eighteenth century have had significant impact on local productivity and world commerce. They are the subject of much investigation (Gunn 1994a; Williams and Wigley 1983). North's (1966) study of grain prices in Europe during the 1700s shows them to be low early in the eighteenth century and high late. This trend is attributable to a favorable grain-growing climate in Europe early in the century and poor later (Bryson and Murray 1977). More local information can be obtained from Stahle et al.'s (1988) studies of tree rings from the last 1000 years on the Atlantic Slope.

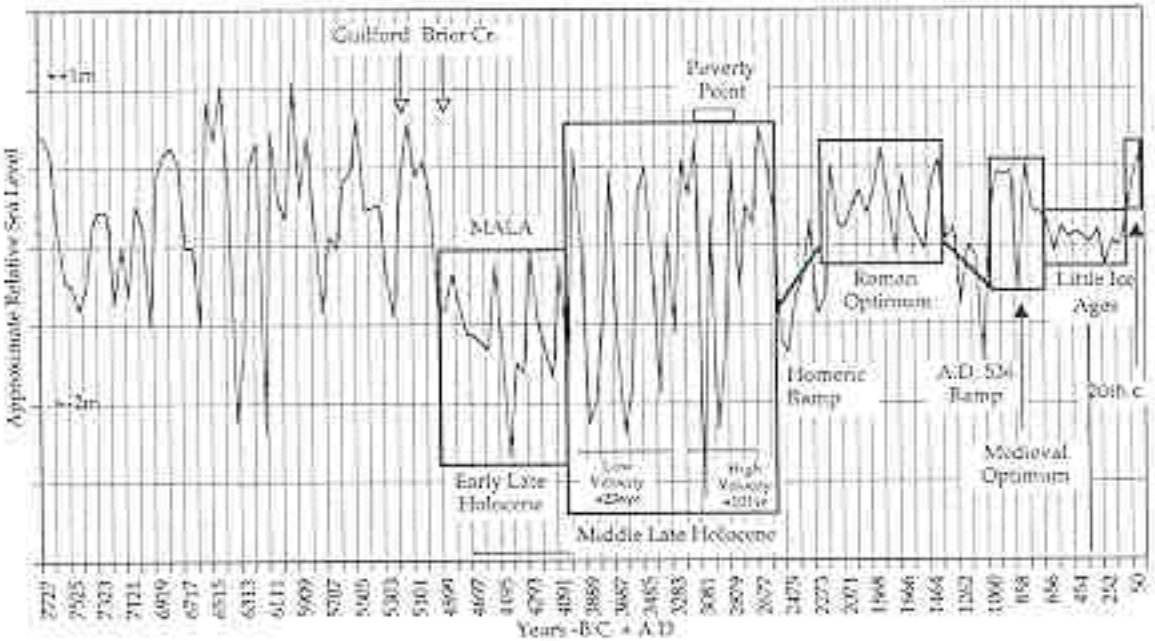


Figure 2.16. Tanner Sea Level Curve for the Middle and Late Holocene (Tanner 1993).

In the last decade, Stahle and his co-workers (Stahle et al. 1988) have established tree ring chronologies for Atlantic Coast states. This allows investigators to set the entire historic period and part of the prehistoric period in year-by-year climatic context. A Virginia tree ring chronology has been created and used along with the Black River chronology to study the conditions early settlement on the North Carolina and Virginia coasts (Stahle et al. 1998). The chronology from the Black River in North Carolina shows that the decades following colonization at Jamestown provided relatively reliable late spring moisture (Figure 2.17). This period extended into the time when antebellum planters lived in the project area. The early decades of the nineteenth century, however, were characterized by increasingly unreliable late spring moisture.

Anderson et al. (1995) have applied a similar methodology to the climatic backdrop of the Mississippian period along the Savannah River in South Carolina and Georgia. They studied the influence of variable moisture on the late prehistoric and early historic populations of the Savannah River valley. Unless accounted for by social changes, population and complexity of social organization increased during long episodes of adequate moisture. During intervals of variable and inadequate moisture, and perhaps during periods of excessive moisture, population and complexity tended to decrease. During the historic period, Spanish colonial efforts on Saint Helena Island failed during a lengthy episode of drought.

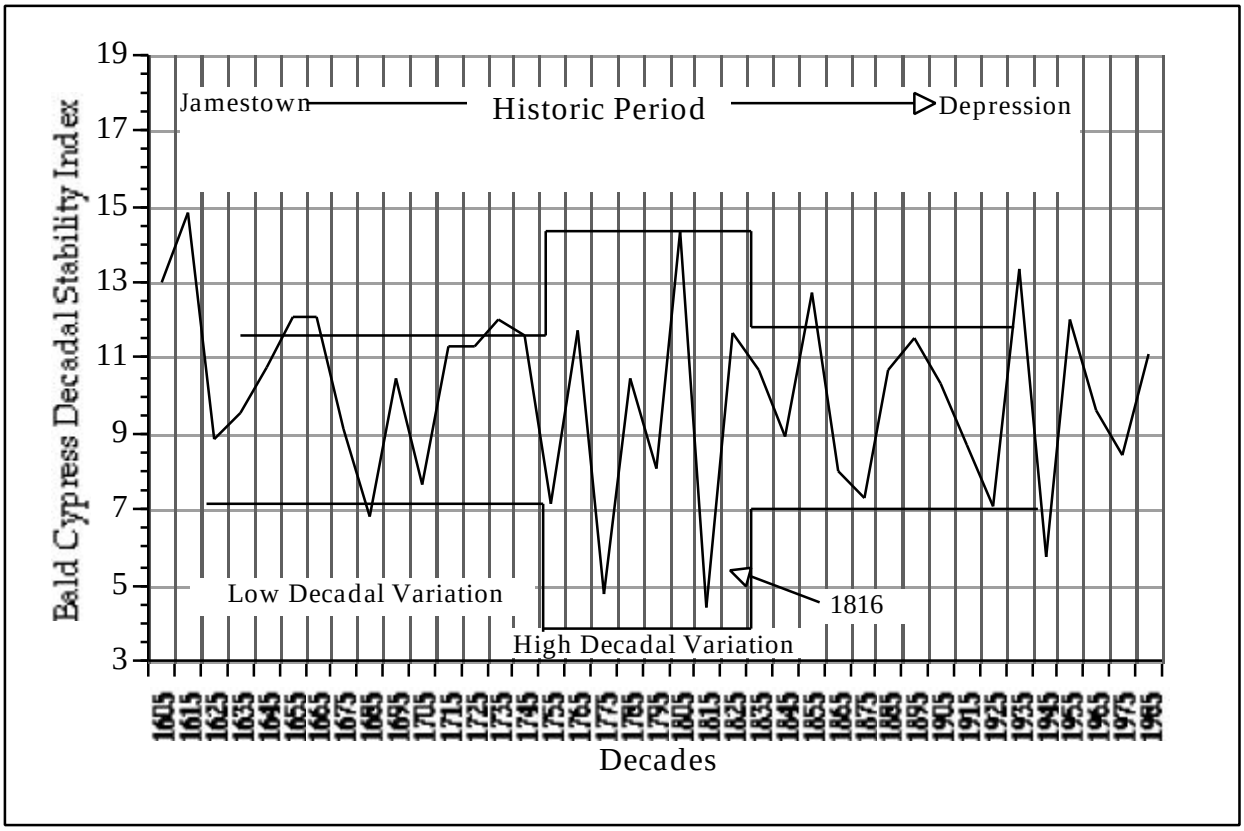


Figure 2.17. Late Spring Moisture during the Historic Period, by Decades (Stahle et al.1998).

FLORA

Prior to the initial European settlement, the project area supported diverse hardwood forests. The uplands and higher stream terraces supported such species as red, white, black, chestnut, southern red, scarlet, and post oaks, pignut and mockernut hickories, tulip poplar, American chestnut, sweet gum, and black gum. Shortleaf, Virginia, and white pine were present in some areas, along with red cedar. Dogwood, holly, sourwood, and other species were common in the understory. The floodplains along the river and its major tributaries supported stands of oaks, shagbark and bitternut hickories, American beech, tulip poplar, black walnut, American and slippery elms, white and green ashes, red, silver, and southern sugar maples, sweet gum, black gum, sycamore, and other species. Black willow, red maple, sycamore, green ash, sweetgum river birch, and water oak were present on the more poorly drained soils. It is thought that human activities played a significant role in shaping this habitat, perhaps changing the species composition to one more favorable to their subsistence practices (Hammett 1992a, b; Tippitt and Moss 1996). This is particularly so in the case of the floodplain, which could have been subjected to hundreds if not thousands of years of low-level species management that could have approached, if not achieved, horticulture.

FAUNA

Numerous species of migratory and native fauna inhabited the project vicinity prior to and during its early settlement and were available for exploitation by both prehistoric and early historic populations. Major mammalian game species present in the area included white-tailed deer, elk, black bear, squirrels,

and rabbits. Avian species of likely importance to the early inhabitants of the area included turkey and quail, and the river and streams would have provided a variety of fish and other freshwater animal resources. Of special interest to this study are the habits of migratory or anadromous fish, which before the damming of North Carolina rivers arrived in great numbers to spawn in the spring.

Riverine Subsistence Resources

Many species of fish inhabited the Neuse River in prehistoric and early historic times. Some freshwater species dwelt in the river near the location of their birth the year around. Others, the anadromous species, hatched in upstream spawning grounds and swam to sea, returning to fresh water only to breed (Millis 1998). Peak migrations of anadromous fish in the Neuse River occur from March through May, when water temperatures are approximately 11–26°C (Hawkins 1980:94–95). Most anadromous fish return to their home streams to spawn, possibly guided by light intensity and/or olfactory ability to taste/smell familiar chemical signatures of individual rivers. Although there is some variation among species, in general anadromous fish have very distinct migration periods and routes.

A diverse collection of fish remains has been identified from sites throughout North Carolina. According to Scarry and Scarry (1997), 63 taxa of fish have been identified from North Carolina archaeological sites. Most of the fish remains represent freshwater species, although marine fish are also significantly represented. Only four species of anadromous fish have been recovered from archaeological sites in North Carolina: white shad (*Alosa sapidissima*), Atlantic sturgeon (*Acipenser oxyrhynchus*), gizzard shad (*Dorosoma* sp.), and stripped bass (*Morone saxatilis*). One species of catadromous fish (migrates downstream to breed in salt water), American eel (*Anguilla rostrata*), has also been recovered from Native American sites in North Carolina (Scarry and Scarry 1997).

Fish remains recovered from archaeological sites in North Carolina are primarily associated with the Late Woodland period. A few remains have been recovered from Middle Woodland and, to a lesser extent, Early Woodland contexts. A few sites dating to the Mississippian, Protohistoric, Contact, and Historic periods have also yielded fish remains (Scarry and Scarry 1997). Although fish remains have been recovered from numerous sites in the Coastal Plain, Piedmont, and Mountainous regions, anadromous fish remains are relatively rare at these sites. In the Piedmont region, white shad (*Alosa sapidissima*) has been recovered from a Contact-period context at Lower Saratown (31RK1) on the Dan River (Holm 1993). Shad (*Alosa* sp.) and gizzard shad (*Dorosoma* sp.) were identified at the Donnaha site (31YD9) on the Yadkin River from Late Woodland contexts (Mikell 1987a). At Coastal Plain sites Atlantic sturgeon (*Acipenser oxyrhynchus*) and shad/herring (Clupeidae) were identified in Late Woodland contexts at the Flynt site (31ON305) (Mikell 1987b; Waselkov 1987). Sturgeon (*Acipenser* sp.) and striped bass (*Morone saxatilis*) have also been recovered from Late Woodland contexts at Jordan's Landing (31BR7) (Byrd 1997).

Although no boney fish remains were recovered at Red Hawk Run (31WA1376) at Wakefield Plantation 7.2 km upstream from Neuse Levee, exceptionally elevated levels of phosphorus were detected in the site along with a deposit of burned rock detritus (Gunn et al. 1998). This is presumed to have been a fish processing area. Elevated phosphorus levels were also found in the Late Woodland levels at Neuse Levee and could represent fish processing (see geomorphology section above).

Upland Subsistence Resources

Like most parts of the world, the pre-European and pre-African plant community on the Atlantic Slope was not that of a landscape unmodified by humans. Humans have been aggressively interacting with plant species by fire for at least a million years. When John Smith (Kupperman 1988) explored the Potomac River drainage in 1608, he reported that the vegetation of the Coastal Plain and Piedmont were open woodlands characteristically maintained by local peoples through annual burning of underbrush. A

captured warrior reported to Smith that areas to the west were referred to as the "unburned" lands. This unburned land was mountainous and inhabited by people who lived by hunting and collecting wild plants. The area referred to was undoubtedly the Appalachian Mountains, but the account is unclear as to whether it included the Blue Ridge front. Later evidence suggests that the burned lands might have extended west as far as the Shenandoah Valley. Even in the 1800s, Kercheval (1925) observed the presence of old fields, abandoned Native American villages, and farms in the lower Shenandoah Valley. Like the Chesapeake Bay area, North Carolina, and the greater part of arable lands in the East during the last few hundred or thousand years, was probably an anthropogenically modified landscape. Hammett (1992a:1; 1992b), reporting on the observations of explorers before 1750, found that "the well-organized use of burning, clearing, and planting . . . created and maintained a mosaic of managed patches that yielded high subsistence returns and ensured the short term stability of their anthropogenic ecosystem." Most likely before the decline of Native American population at Contact, the landscape contained large nut-bearing trees in the midst of relatively open grasslands, a landscape mistaken by some to be "natural" (Tippitt and Moss 1996; Woodall 1996).

The intervention of humans to prevent total forestation benefited them in numerous ways (see above). White-tailed deer and turkey are typically forest-edge dwellers (Larson 1980). Their populations, therefore, would have been much larger than in closed forests. Though less evident, it is clear that larger game were also more populous. Wayland (1976:9) reports that Bull Skin Creek, in present Jefferson County, West Virginia, in the lower Shenandoah Valley, was so named because early explorers or prospectors found a buffalo bull skin staked out on the bank to dry. Although the absence of bison bones in archaeological sites east of the Appalachians (Ward 1990) remains a puzzle, elk bone is clearly present, especially in the Late Woodland and is therefore for the present more accessible for investigation. The proximity of elk and perhaps bison, as will be discussed below, raised interesting questions about upland resources in the upland surrounding the Neuse Fall Line region during periods when the uplands were maintained either by climate or human intervention as open vegetation. In his summary of Late Woodland cultures, Potter (1993:147) notes that early Europeans observed agricultural villages located on floodplains. Beyond 2 km (1.24 miles) from the floodplain were small hunting and gathering sites used only briefly by small groups of people.

In addition to the historical observations, it is known that bones of large animals such as elk and bear have been identified in pit features in Late Woodland sites in the North Carolina Piedmont (Scarry and Scarry 1997) and in the Potomac Creek Complex sites of Accokeek Creek (Stephenson et al. 1963:58). Such large animals would have required considerable range to feed. If the interior flats were an appropriate mix of forest and open forage, they could have provided the large-game part of the Late Woodland diet. As noted above, Smith (Kupperman 1988) recorded that the Native Americans maintained an open habitat in the Coastal Plain by burning, and thus might have systematically contributed to the well-being of large animals. Beverley (1947:124) observed of Virginia that "In some Places lie great Plats of low and very rich Ground, well Timber'd; in others, large Spots of Meadows and Savanna's, wherein are Hundreds of Acres without any Tree at all; but Reeds and Grass of incredible Height. . . ." This suggests a prairie forest mix frequently was found at contact in the eastern woodlands (Jordan 1973).

Geographically there might have been discrete ranges of elk and bison. In his observations of elk while surveying the North Carolina–Virginia border, Byrd (1967:236) noted that elk tend to live north of 37° latitude, while bison were to the south. This is the latitude of Newport News, Virginia, about 100 km (60 miles) north of the Neuse Levee site.

Understanding what the early historic authors meant when discussing elk requires an understanding of the terms used now and then, especially in the cases of Smith, Lawson and Byrd who appear to have been conversant with both North American and European species. The term "elk" is applied in Eurasia to the largest species of the deer family (*Alces alces*), known in North America as *moose (Alces americana*). American moose is larger than the European species (7.5 ft. and up to 1800 lbs). Moose are browsers in the northern coniferous forests. In North America "elk" is limited to the "wapiti" (*Cervis canadensis*). The wapiti, which is about 5 ft tall with 5-ft antlers and weighs 1000 lbs, is related to the European red

deer (*Cervis elaphus*). Red deer are about a foot smaller than the wapiti. The wapiti once inhabited all of temperate North America, but in the East was hunted to extinction for furs, meat, and canine teeth, which were regarded as a charm. Though reduced in numbers, wapiti subspecies remain in the west.

Early historians regularly recorded observations and comments on elk and bison (Table 2.4). These animals appear to have been numerous in 1600 and all gone except for elk in the Appalachian Mountains by the American Revolution.

It is unlikely that there are modern studies of elk behavior in the East, although there may be family records with pertinent observations in the Appalachians (W. Roberts, personal communication 1998). Some insight that is possibly applicable to the behavior of eastern elk can be gained by studying the literature on western elk. Various investigations have been made of elk ecology and behavior. A study in Carter Lake National Park in western Oregon (Jenkins et al. 1985) used radio collars to track the movements of elk (*Cervis elaphus roosevelti*) over about two years. The animals migrated through three discrete forages between winter, spring, and summer. The summer range was in the Cascade Crest, the spring range to the east of the Cascade Mountains, and the winter range to the west of the mountains. The distance from the winter to spring range is about 35 km and from spring to summer 16 km.

Table 2.4. Large Game, Especially Elk, Reported by Early Observers.

Observer	Date	Observations
Smith (Kupperman 1988)	1607	? in Virginia. Moose, elk? ("Deare red"), and "Deare fallow" in New England
Byrd (1967)	1728	Elk north of 37° lat., bison south, elk encountered 30 miles from mountains (p. 236)
Lawson (Lefler 1967)	1701	Elk same range as bison (p. 129), bison seldom appear among English, mostly westerly in "Messiasippi," "Buffelo or wild Beef," and elk listed (p. 120), Toteros were tall men having great plenty of "Buffelos, Elks, and Bears," (p. 54)
Beverley (1947)	1704	French aspire to tame Buffaloes by capturing calves (p. 282), Indians fire hunt bison, elk, deer
Bartram (1980)	1776	Bison gone, elk confined to Appalachians (p. 3)

During the summer the elk browsed the Cascade Crest environment, arriving during April or May. Migration times and routes were individualistic, spanning about a month. Mountain hemlock/red fir forests were the preferred cover, and foraging was in dense patches of smooth woodrush. The animals were generally dispersed during the summer. Calving was in the remote headwaters of streams.

Sometime in September or October they were driven by snow from higher elevations into the spring range, and then into the winter range by November. This migration required passage through the Cascade Mountains to the winter range. Fall migration times were highly variable, depending on the first snowfall, and the animals would return to the summer range if snow melt allowed it. On one occasion it is thought that they returned to the summer range because of hunting pressure. Much of the winter was spent in forests classed as "elk thermal cover" with excursions to clearcuts of shrub-sapling less than 20 years old to forage.

For the eastern seaboard Coastal Plain, a pattern of migratory behavior such as that described for the western elk might include summers in the Appalachian Mountains and winters in the Coastal Plains. Perhaps the elk bones at Accokeek Creek and Potomac Creek suggest that at least the Coastal Plain of Virginia and the Western Shore of Maryland were included in such ranges. The short migration distances might confine elk to the Piedmont near the mountains. This would conform with Lawson's discussion of "Toteros" subsisting on bison and elk in the western Piedmont of North Carolina. Also, Byrd was within 30 miles of the mountains when he encountered elk. Since Byrd was surveying the Virginia–North

Carolina line, his and Larson's locations of elk correspond, both pointing to the high Piedmont around Wilkes and Surry counties. If similar patterns held in Virginia, it could imply that elk were brought from a distance to the Potomac Creek Complex sites. However, most hunters take care not to transport bone long distances. Bones in village middens would therefore argue for hunting near by. The relatively abandoned but maintained state of the interior uplands during the Late Woodland could well have encouraged the wintering of large game in the Coastal Plains areas. As such, elk and other species would have been available to small hunting parties originating in floodplain villages, as outlined by Potter.

3. CULTURAL BACKGROUND

Interacting with the physical constituent of landscape are material culture and the cognitive attitudes and habits it implies. This chapter summarizes the prehistory and history of the Wake County area of the Piedmont as well as the archaeological investigations previously conducted in the project vicinity. Most of the cultural sequence for the project vicinity is based on Coe's (1964) investigations of the Hardaway and Doerschuk sites, located on the Yadkin River in Stanly and Montgomery counties to the southwest, and the Gaston site, on the Roanoke River to the north. More recent research has elaborated Coe's original observations, but the general sequence that he described remains valid for the region. Information on the later prehistory of the area is drawn from research by Davis and Ward (1991), Dickens et al. (1987), and Ward and Davis (1993), among others. Data on the Euro-American settlement of the area were obtained from a number of regional and local histories, including Powell (1989).

PREHISTORIC CONTEXT

The Piedmont and Coastal Plain of North Carolina have been inhabited for at least 15,000 years, and have witnessed several major changes in the cultural traditions of its residents. The prehistory of the project area can be divided into three basic time/cultural periods—Paleoindian, Archaic, and Woodland.

Pre-Paleoindian Period (before ca. 10,000 B.C.)

Evidence is accumulating against the once strongly held view that Clovis hunters were the first human occupants of the Western Hemisphere. The topic is of such intense interest that it merited a cover story in *U.S. News and World Report* (Petit 1998). North Carolina rests between two of the reported Pre-Paleoindian finds, the Cactus Hill site (McAvoy and McAvoy 1997) in Virginia and the Topper site in South Carolina (Goodyear, personal communication, 1998). The senior author worked at Meadowcroft Rockshelter in the 1970s and has examined both the Cactus Hill and Topper site collections. The Cactus Hill lithics clearly resemble those in comparable levels at Meadowcroft, especially in the use of local cobbles to make flake-blades. The Topper site collection is different, containing a prismatic blade fragment in its lowest level. The Cactus Hill site is by now a well-established find with dates around 13,000 B.C. Dates are not yet available on Topper site and only a couple of test pits have been excavated. The site appears to contain a rock feature well below the Clovis level.

Paleoindian Period (ca. 10,000–8000 B.C.)

The first clear evidence for human occupation in the southeastern United States is during the Paleoindian period, approximately 10,000 to 8000 B.C. The Paleoindian occupation of the Southeast is known predominantly from surface sites. Paleoindian groups are presumed to have been highly mobile, with a subsistence strategy based on migratory (and now-extinct) large animals such as elephants, but would have relied on other plant and animal food resources as well (Meltzer and Smith 1986). Anderson (1995) believes that the general extinction of the megafauna about 8800 B.C. marks the end of the early Paleoindian period. Settlements are thought to include small temporary camps and less common base camps, which were occupied by loosely organized bands. The base camps are generally located near high-quality lithic resource areas such as the Thunderbird site in northern Virginia (Gardner 1979, 1986). Paleoindians selected high-quality lithic materials for tools. However, McAvoy (1992) investigated Paleoindian settlement patterns in the Nottoway drainage 90 miles to the north of the project area and discovered that Paleoindian hunters also camped in Coastal Plain areas distant from the rich lithic resources of the Piedmont. The Williamson site in southeastern Virginia seems to have been the focus of

a Paleoindian settlement pattern in the region. Hundreds of Clovis points have been recovered (McCary 1954). The Great Dismal Swamp held a particular attraction for Paleoindians (McAvoy 1964; Rappleye and Gardner 1979). It could have been a mastodon hunting area, but no evidence of tools with mastodon remains has come to light yet, as it has in other areas in the Southeast. In Georgia, O'Steen (1992) found that Paleoindian settlement patterns spread during the three generally recognized Paleoindian phases from lowlands early in the period to both highlands and lowlands late in the period. Great numbers of Dalton sites and the occurrence of a Dalton cemetery in Arkansas suggest relatively dense populations in the late Paleoindian period (Morse and Morse 1983), at least in some regions.

Key diagnostics of this period are fluted and unfluted lanceolate projectile points; formal flake tools, such as endscrapers, gravers, retouched blades, and burins, are also associated with the Paleoindian period (Gardner 1979). Over the course of the Paleoindian period, fluted point forms became smaller, and true fluting gave way to basal thinning. Locally, terminal Paleoindian assemblages are identified by Hardaway/Dalton projectile point forms, broad, thin, triangular bifaces with deeply concave bases and shallow side notches (Coe 1964:64), which are thought to date ca. 8500–7800 B.C. (Goodyear 1982). The Hardaway complex, consisting of Dalton-like points and preforms, was first identified at the Hardaway site on the Yadkin River, and also has been found in buried deposits at sites on the lower Haw River in Chatham County (Cable 1992; Claggett and Cable 1982).

The focus of early Paleoindian activity in North Carolina and Virginia appears to have been in southeastern Virginia in the area around the Williamson site (McCary 1954), perhaps with the Great Dismal Swamp as a major concern (McAvoy 1992; McAvoy and McAvoy 1997). During later Paleoindian times, perhaps after the extinction of the megafauna, attention turned more toward the Piedmont, with major concentrations of interest around the Hardaway site (Coe 1964).

Archaic Period (ca. 8000–1000 B.C.)

The Archaic period is characterized by a reliance on large animals and wild plant resources that became increasingly stabilized and broad-based during the Holocene. On the Atlantic Slope, groups are presumed to be fairly mobile, making use of seasonally available resources focused primarily in the uplands (Mouer 1991). Exploitation of broad upland landscapes, especially for mast crops, generated an equally broad net of sites encompassing most of the terrain. Site size increased during the Late Archaic as the focus shifted to the lowlands, probably toward fishing, culminating in a relatively complex and populous society. Settlement patterns shifted to linear arrangements of sites along drainages, perhaps generating enriched communications networks and consequently complex social organization.

The Early Archaic period (ca. 8000–6000 B.C.) seems to reflect a continuation of the Paleoindian period hunting and foraging lifestyle, but with modern game species. Early Archaic point types common in Piedmont North Carolina include the Kirk and Palmer forms found in abundance at the Hardaway site (Coe 1964). These diagnostic artifacts are accompanied by a variety of other bifacial and unifacial chipped stone tools, including scrapers, drills, and adzes. Regional population densities on the Atlantic Slope concentrated along major river systems, especially the Pee Dee, but also the Savannah, Neuse, and Roanoke rivers (Sassaman and Anderson 1994:171–175); the greatest concentrations are generally at or near the Fall Line.

The Middle Archaic (ca. 6000–3500 B.C.) is distinguished from the Early Archaic by the more frequent recovery of groundstone artifacts and a less diverse chipped stone tool kit. Diagnostic bifaces that occur during this period include Stanly, Morrow Mountain, and Guilford types (Blanton and Sassaman 1989; Coe 1964). Along the Atlantic Slope, hunting and gathering bands probably formed the primary social and economic units in most regions. Larger sites occur near major drainages (Coe 1964), but occupations also appear near upland watercourses (Gunn and Foss 1992; Gunn and Wilson 1993). Numerous small dispersed upland scatters are also characteristic of the Middle Archaic.

Recent reinvestigation and reevaluation of numerous sites along the Gulf and southern Atlantic coasts suggest that large burial mounds were present during the Middle and Late Archaic in those regions (Russo 1994). Most of these early mounds date between 3000 and 2000 B.C., or during the Late Archaic, but some mounds date to as early as 5000 B.C., in the Middle Archaic. There appears to be something of a hiatus in mound building between 1000 B.C. and the generally recognized Early Woodland mounds. Whether mounds imply complex social organization during the Middle and Late Archaic in the southern regions of the Southeast is being evaluated. Generally, the development of stable burial places is taken to imply at least semisedentary expanded populations.

In the Piedmont, additional evidence is emerging that suggests a less arboreal and more grassland environment that supported warm-climate panicoid grasses (Webb 1995:140), presumably herds of large game, and a landscape with sand blowouts on exposed hilltops along the Fall Line sandhills (Gunn and Foss 1992). Mounds, in combination with intimations of open Middle Holocene environments noted above, suggest a revised perspective on the Archaic, and imply a rather populous, if mobile, culture according to the principles of optimal foraging (see Butzer 1982). Using Morrow Mountain point frequencies as a population indicator suggests that the greatest Middle Archaic concentration of population was in the North and South Carolina Piedmont (Sassaman and Anderson 1994:176) while the Coastal Plain was virtually abandoned.

The Late Archaic (ca. 3500–1000 B.C.) represents the latest preceramic period, or the earliest ceramic period in some locations after 2500 B.C., with the introduction of fiber-tempered wares. Savannah River (Coe 1964) projectile points and knives are the most common diagnostic biface types, but steatite bowls and a number of other artifact types are also common in this period.

During the Late Archaic some groups lived for long periods of time in single, strategically placed large villages. Existing information suggests that the population during this period was relatively dense, and that the largest settlements occurred along the major river systems and along the coasts (Sassaman and Anderson 1994:176–177). There was a major infilling of numerous habitats, suggesting larger populations exploiting a wide range of resources. As noted above, some of these groups built burial mounds.

Villages, reflected by increasing site size, became more common in the Late Archaic. Structures have not been identified archaeologically in North Carolina or Virginia (McLearen 1991:113) and thus are inferred from Tennessee data to be cabana-like shelters about 20 feet in diameter. Large burned rock platforms 30 feet across with adjoining fire hearths have been described in the James River valley and other areas, probably used for processing anadromous fish (Mouer 1991). In Georgia, 4-x-5-m pit houses have been reported from 1900 B.C. (Ledbetter 1991). Although the beginnings of horticulture appeared during the Late Archaic, the importance of agriculture for subsistence purposes was probably minimal.

Woodland Period (ca. 1000 B.C.–A.D. 900)

The Woodland period sequence in the Carolina Piedmont was first defined by Coe (1964), based on his work at the Doerschuk site. Coe recognized two successive Woodland period occupations at this site, which he termed Badin and Yadkin. Subsequent investigations have provided new data concerning the Woodland period subsistence and settlement patterns (Ward 1983). The Woodland is marked by episodes of sedentariness and improvements in food storage and preparation technologies. Subsistence strategies were a continuation of earlier hunter-forager ways, with an increased reliance on the cultivation of native plants.

Religious life, as suggested by evidence of ceremonialism and the construction of burial mounds, revived and gained emphasis. Earthen and rock mounds were constructed as near to North Carolina as Georgia and Virginia during the Woodland period. Rock mounds appeared in the Potomac watershed in northern Virginia during the Early Woodland (Gardner 1993; Gunn 1994b). In northeast Georgia the Middle

Woodland Swift Creek culture built earthen mounds (Fish and Jefferies 1983) associated with rectangular structures. Rock mounds have also been reported in northern and central Georgia (Garrow 1988; Jefferies and Fish 1978). Both regions were influenced by Hopewell mound builders in the Midwest. For reasons yet to be fathomed, mound building apparently did not occur in the Piedmont and Coastal Plain of North Carolina and southeastern Virginia during all cultural periods. However, some evidence was found of the use of sand mounds, perhaps constructed, by Holmes in eastern Wake County in the nineteenth century (Robinson 1998).

Large triangular projectile points are diagnostic of the Woodland period; this change in point style from the large notched and stemmed dart points of the Archaic may be linked with the introduction of bow and arrow technology into eastern North America. In the Neuse Fall Line region, which contains a concentration of Early Woodland sites just below the Falls of the Neuse, Eared Yadkins with a focus in the southern Piedmont and Wakefields (resembling Piscataways from Virginia) were found in association, or possible in stratigraphic order, with the Eared Yadkins (Gunn et al. 1998). Ceramics became more refined and regional differentiation of wares-particularly with respect to temper, paste, and surface decoration-appeared. Shell tempered, coiled ceramics appeared around Chesapeake Bay and spread down the coast as far as Pender County where the continental shelf becomes steep enough to diminish the shellfish presence (Mathis 1998). However, sand- and crushed-quartz-tempered ceramics persisted in the Piedmont until contact (Woodall 1996).

Late Prehistoric Period (ca. A.D. 1000–1500)

The Mississippian period in most of the Southeast is marked by a rise of ceremonialism expressed in large public constructions, the development of maize agriculture, and a more rigid social organization. Flat-topped temple mounds and a more highly organized village structure developed during this period. Artifacts diagnostic of the Mississippian period include small triangular projectile points and ceramic wares distinct from the Woodland ceramic types. There is increasing evidence that territorial boundaries between chiefdoms were closely maintained during the Mississippian period. Valleys between chiefdoms appear to have been abandoned.

Town Creek is a Mississippian mound site located about 100 miles to the southwest of the project area, and another mound was reported in Caldwell County on the upper Yadkin River 120 miles to the west (Gunn, Roberts et al. 1991; Oliver 1985, 1992). The latter is associated with the extensive mound building of Appalachian Mountain cultures during the Mississippian period.

The temporal equivalent of Mississippian in the Piedmont is the Late Prehistoric Siouan culture, represented by the Haw River (A.D. 1000–1400) and Hillsboro (A.D. 1400–1600) phases. The Haw River phase is marked by net-impressed pottery similar to the Dan River series. During the subsequent Hillsboro phase, ceramics changed substantially and villages were nucleated within stockades (Davis and Ward 1991). European conquest brought an end to the Late Prehistoric/Mississippian lifestyle, although many relics of the material trappings, belief systems, and social structure of classic Mississippian society lingered into the eighteenth century.

HISTORIC CONTEXT

Although no historic remains were recovered during the excavations at Neuse Levee, it is useful to know the historical context of a site to aid interpretation of the prehistoric artifacts and transportation, quarrying, and horticultural activity patterns. For example, historically the crossing at Neuse Levee was an important road between Fayetteville on the Cape Fear River and Louisburg on the Tar River. Such roads normally followed ancient Native American paths. What was the meaning and utility of this path prehistorically and what effect did it have on the Neuse Levee occupations? Was it a loading point for river traffic? Another interesting observation is that the so-called Louisburg Road follows a line of

traverse quite different from that of the modern highway, veering off to the east to pass through the colonial community of Roger's Crossroads, which was apparently the homestead of the owner of Roger's Ferry that crossed the Neuse River at Neuse Levee until the early nineteenth century. The Late Woodland components at Neuse Levee suggest a prehistoric village farming community to which Neuse Levee served a supporting role. Was Roger's Crossroads founded in an old field, a remnant Native American farmland that contains the base camp for Neuse Levee? Understanding modern quarrying practices can also help to identify valuable lithic rock resources in the human landscape.

Early Historic Period Native American Occupation

The historic Native American occupation of the North Carolina Piedmont has been documented both ethnohistorically and through excavations at several sites, including Keyauwee Town in Randolph County (Coe 1937) and the Fredericks site (Occaneechi Town) in Orange County (Davis and Ward 1991). At the time of the earliest contact with Euro-Americans, the Piedmont was occupied by more than 40 separate Siouan-speaking tribes (Davis and Ward 1991:40), while the Iroquoian-speaking Tuscarora occupied the Coastal Plain (Lefler 1967). In 1701, Lawson (Lefler 1967) found the Occaneechi upstream from the project area near Hillsborough, and the Tuscarora downstream at and below the Falls of the Neuse.

As Merrell (1987:20–21) and other researchers (e.g., Hargrove 1986:13) have noted, the early historic period was marked by extensive epidemics among the Native American populations of the area, which, along with the increasing Euro-American intrusions, forced the surviving groups to relocate and regroup in an attempt to survive. Examples of later movements include the Tutelo and Saponi, who were living near Fort Christianna on the Meherrin River in Virginia early in the 1720s (Byrd 1967:310), but in 1728 moved back into the Carolina Piedmont (Byrd 1967:312; Merrell 1987:26). The Tutelo moved into the upper Yadkin watershed, while the Saponi temporarily resided in the area in the process of moving south to near the present location of Salisbury. Their stay in the Piedmont was short-lived, however, and by 1732 they returned to Virginia. From there, most of the surviving groups eventually drifted north to join the Iroquois (Merrell 1987:26).

The movement of recognized groups should not be taken to mean that all Native Americans left North Carolina. Ongoing relations between Native Americans and Euro-Americans are documented through the Colonial and Post-Colonial periods (e.g., Garrow 1975). It is, however, less clear how Native American populations in the Wake County area fared through the historic period. However, there are occasional indications in the historical record of continuance. Lawson reported in 1709 that several groups had "come amongst us" (Claggett et al. 1978:12). A group of "Saponis," by then probably composed of Saponis, Occaneechis, and other groups, were reported to be living on the plantation of William Eaton in present-day Vance County (Hargrove 1986:17). Others on the Roanoke River took English names and lived primarily by hunting (Hargrove 1986:17). All of these avenues of entry to colonial society suggest that at least some of the Native Americans continued as part of the North Carolina population at large. As is being discovered in many states along the Atlantic seaboard, native groups appear to have officially disappeared in the eighteenth century, and in some cases have reappeared in recent decades (Cunningham 1998).

Myer's (1971) map of trading paths records protohistoric routes flowing along the edge of the Piedmont, generally at about the elevation of Hillsborough, and dipping down to the coast in the Wilmington, North Carolina–Charleston, South Carolina, and Chesapeake Bay areas. However, they do not approach the North Carolina coast in the intervening areas, giving the impression of a gap, or at least a weak link, in communications across North Carolina during the protohistoric period. There is discussion as to whether the Trading Path to the Indians (Myer's Path 80, now I-85) predated trade between the Virginia colony and Piedmont Native Americans. This, too, widens the recognized communications links.

Euro-American Settlement

The Historic era in the Atlantic Slope area can be broadly divided into four periods: the Ethnohistoric period (1492–1607), which is known primarily from observations of Native Americans by explorers, the Colonial period (1607–1775), the Antebellum period (1775–1865), and the postbellum period (after 1865). Early European colonial settlement took place along the coastal region of the state after 1650 (Powell 1989); however, after the Tuscarora War, which ended in 1713 (Byrd 1998; Powell 1989), occupation began in the interior. Populations of various origins—Scots-Irish, German, Pennsylvanian, and Chesapeake Tidewater—converged on the Piedmont below the Blue Ridge Mountains after 1750, creating a distinctive regional cultural pattern (Powell 1989).

Historians believe that the first recorded observation of northern Wake County was by John Lawson (Murray 1983:8). In 1701, he embarked on an exploratory tour of interior North and South Carolina for the Lords Proprietors, English noblemen who controlled the region at the time. Lawson departed from Charleston, South Carolina, and after traveling though the Piedmont turned southeastward, visiting Native American towns near Hillsborough and Durham. In February, he came to a place reported to him by his Native American guides to be *Wee quo Whom*, now Falls of the Neuse. Lawson saw huge boulders and reported a strong sound like many mills, generated by the chest-deep river as it flowed around the boulders. The area at that time was apparently part of the Tuscarora hunting grounds; Lawson met two Tuscarora hunters at the Falls of the Neuse 7.2 km up stream from the US 401 bridge. Lawson proceeded down the Neuse River to the coast, where he helped establish what would become New Bern.

New Bern was the first county seat of Craven County, which at that time extended inland to include Wake County. Following the Tuscarora War (1711–1713), settlers began to move up the Neuse River as new arrivals from Europe found only already-settled lands around New Bern (Murray 1983:18), and land upstream was newly available. Both the Neuse and the Tar rivers were navigable in small craft to above US 401 (Robinson 1998:22). The first continuous trading center in Wake County developed around Higdon's trading post below the Falls of the Neuse (Murray 1983:99). In the same area, Charles Sims owned an ordinary that was licensed in the 1750s (Murray 1983:35), and the earliest church was located on New Light Creek in 1755 upstream from the Falls.

Downstream 8 km from the Falls was the Neuse Levee site, and nearby was Wake Crossroads, known as Roger's Crossroads until this century (Figure 3.1). In the late eighteenth century a land route passed the site. It was referred to as the old Stage Road or Louisburg Road from Fayetteville, then Cross Creek on the Cape Fear, to Louisburg on the Tar. The Neuse Levee site is on or adjacent to a convenient crossing of the river, formed by the gentle slope for several miles from the southwest still followed by US 401. In the late 1700s Roger's Ferry served the passing traffic. A bridge was built in 1820 (Robinson 1998:22). The small community of Roger's Crossroads, north of the Neuse River, had a church and tavern. According to the Mouzon map (see Figure 3.1), as late as 1775 the area south of the river was uninhabited except for a court house.

As population spread upriver, new counties were organized. In 1746, Johnston County was formed, which included Wake County. Finally, in 1771, Wake County was incorporated (Corbitt 1950). Because of various geographic influences, Wake County, the administrative center of present-day North Carolina, was the last area in the region to be settled by Europeans. As early as the 1740s, large numbers of settlers moved into the eastern edge of the Piedmont (present-day Orange County) from the west, after following the Great Wagon Road from Pennsylvania (Powell 1989). Since they were often as concerned with water power as land, the valleys were claimed first and the intervening uplands later (Gunn 1994b). Settlers also moved up the Cape Fear River to Fayetteville by 1720, and from there trekked over the Cape Fear-Neuse interfluve into southern Wake County (Murray 1983:18). In the 1730s, others from Virginia began to follow ridgelines down the Piedmont from Virginia searching for appropriate tobacco

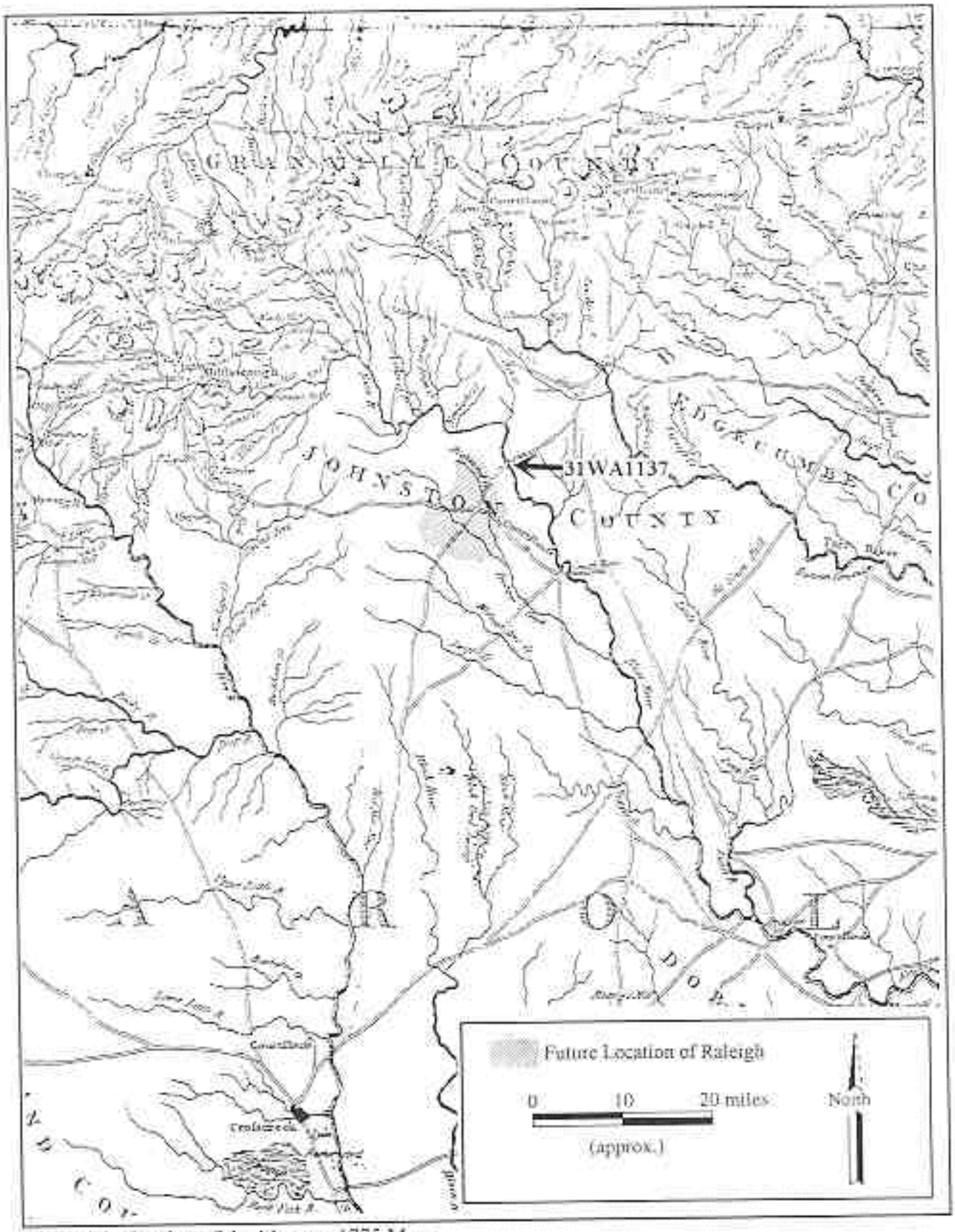


Figure 3.1. Section of the Mouzon 1775 Map.

lands (Trimble 1974). They arrived in Vance County 40 miles to the north in the Nutbush community, and were soon important suppliers of tobacco to trade centers in Petersburg in Virginia (Gunn et al. 1991). The late settlement of Wake County was in spite of the fact that the Neuse River is one of the major rivers of the state (Murray 1983:18).

Before the American Revolution, the area that would become Wake County found itself under a series of administrative bureaucracies because of a complex series of proprietary changes that followed developments in Europe. From 1663 to 1729 North and South Carolina were part of the lands granted to the Lords Proprietors. Colonial governors administered the region between 1729 and 1746. Wake County fell just north of 35° 34' north latitude, which marked the southern boundary of Lord Granville's district below the Virginia line. Because Lord Granville was the only one of the Lords Proprietors not to relinquish his hold on colonial lands to the King in 1746, the Granville district administration continued from 1746 until the American Revolution.

The Granville bureaucracy did not keep careful records of land grants, so it is likely that the names and holdings of the earliest landholders in the county have been lost (Murray 1983:14). It is known that large pieces of land that encompassed present-day Wake County were granted by Colonial Governor Burrington to four absentee landowners in 1729. It is possible that when the new owners involved themselves in a failed coup against Burrington, they hid themselves in the then largely deserted Wake County area (Murray 1983:15). In 1740, under a new Governor Johnston, the rebels were reissued grants along Crabtree and Walnut creeks. Obligations to settle these tracts probably drew the first large numbers of settlers into the Wake County area. These landowners are known to have rented out land, but the names of the renters are lost. At the end of the Colonial period, the tracts of land were seized by the state and acquired by residents such as Joel Lane and Joseph Montfort, prominent figures in early Wake County history.

Wake County remained largely deserted until 1792, when the North Carolina General Assembly resolved to establish a permanent capital in Wake County. Upon meeting the surveyors sent to select a location, Joel Lane sold land to the legislature upon which the capitol was built. The City of Raleigh was planned, laid out, and began to function as the state's capital (Powell 1989). Even so, development and growth of the area remained slow until well into the nineteenth century (Murray 1983).

The professions in early Wake County began with traders and millers. Daniel Higdon owned a trading post near the Falls of the Neuse, and probably a mill as well (Murray 1983:31). The land at the Falls was first legally owned in 1762 by Joseph Montfort, the first Grand Master of the Masons in the colonies. During the 1750s, a mill was built on Smiths Creek 2 km west of Neuse Levee by Joshua Haughton and Thomas Boykin (Murray 1983:29). Before the Revolutionary War, there were two attorneys, two doctors, and no clergymen resident in Wake County. After the capitol was established in Raleigh in 1792, the focus of settlement shifted to the Raleigh area of the county. However, Wake County still retained its basically wild character as suggested by a 1764 bounty paid on panthers, wolves, and wildcats. In 1779, bounties were still being paid on wolves (Murray 1983:27). The northern part of Wake County and southern Granville and Franklin counties retained a reputation for independence and inaccessibility into the nineteenth century, being referred to as the "Rogues Quarter" or "The Hurricane" (Murray 1983:97–98). No other towns were chartered in Wake County until 1837 (Rolesville, northeast of Neuse Levee on the US 401/Louisburg Road). Poor roads were a problem for travelers and the rivers remained important means of transportation until the coming of the railroad in the late 1830s.

The Hurricane phenomenon is of interest on a Neuse River levee because it was generated by a tropical storm, and such storms are known to result in violent flood events and much erosion of uplands and deposition in lowlands (Gunn et al. 1998). A particularly strong hurricane is reported to have struck the North Carolina coast in 1769 (Barnes 1995; Garrow and Joseph 1985), and could have caused a flood. Although it was not studied in detail because there were no included historic artifacts, the lower, or historic, levee appears to have been deposited in historic times and was almost certainly a part of the

general erosional-depositional aftermath that resulted from the convergence of tropical storms and tobacco farming upon the region.

As in other tidewater communities along the east coast, including the colonial capital of North Carolina at New Bern, efforts were made to escape the heat, pestilence, and mosquitoes of coastal areas during the summer (Fischer 1989:250–251). The Fall Line front was a popular place for summer homes, especially in present-day Orange County (Gunn 1994c). An early example is Colonial Governor Tryon establishing a summer capitol in Hillsborough (Murray 1983:39). Wake County would have been on the road to Hillsborough, and it is thought, since the county takes its name from Tryon's wife, they had acquaintances and made overnight stops in the county. During the Regulator Rebellion in 1768, Tryon raised troops for the Battle of Alamance with some difficulty. Wake County was in the borderlands between the rebellious Piedmont (especially Orange County) and the loyalist Coastal Plain.

In 1834, advanced education appeared in northern Wake County. The Baptist State Convention opened Wake Forest College to train young men for the ministry (Murray 1983:301). At the same time northern Wake County began to experience the effects of a growing national economy and an increasingly settled outlook. The coming of the railroad represents a pivotal moment in settlement patterns, as communities reoriented themselves from Colonial period river and coach transport to industrial period rail lines. In northern Wake County this moment came in the late 1830s, when a station of the Raleigh and Gaston Railroad was established at Forestville, northwest of the study area (Murray 1983:416). This station was later moved north two miles to Wake Forest. The 1870 Fendol Bevers map of Wake County (Figure 3.2) reflects the changes in landscape wrought by improved transportation and industrialism.

Until the coming of the railroads in the late 1830s, the economy of the North Carolina Piedmont was primarily based on subsistence farming. This status continued until the development of transportation systems lessened the isolation of inland regions and allowed for development of market-oriented farming. The Neuse River seems to have been a boundary between western and southern Wake County, where land holdings were generally smaller-less than 200 acres-and the much larger plantation lands and slave holdings to the northeast (Robinson 1998:22). These holdings became formidable after the development of the cotton gin at the turn of the nineteenth century. Large and economically independent cotton plantations became the hallmark of the area, as they did generally in the Antebellum Coastal Plain. Railroad transportation further enhanced the economic productivity of cotton lands. In the immediate pre–Civil War decades the area flourished with grist mills, cotton gins, and distilleries. One of the largest paper mills in the state was built below the Falls of the Neuse in 1854. Impressive architectural remains are still present along US 401 to the northeast of Neuse Levee in the form of plantation residences and outbuildings (Robinson 1998:23–28).

Mining, especially of iron and gold, brought important external trade to the western Piedmont in the early decades of the 1800s, but Wake missed this boom. Graphite was known to exist west of Raleigh by 1815, but was not extensively exploited until 1855 (Murray 1983:136, 284). Along US 401 to the northeast of the study area granite quarries were opened in Franklin County near Louisburg in the 1800s (Robinson 1998).

Except for the passage of Federal troops at the end of the Civil war, and a notable encounter between soldiers and kitchen help at Peterson Dunn's Plantation to the west of the research area (Lilly and Gunn 1997; Murray 1983), the Civil War had little direct impact on northern Wake County. Reconstruction, however, was economically difficult and adjustment required time before the grist mills and gins were active again. A concerted effort was made to grow cotton in the Coastal Plain and process it into usable products in the water-powered Piedmont counties to reduce dependence on northern industrial technology. Textile production became the dominant industry in most of the Piedmont, but furniture manufacture was also important. By the end of the nineteenth century, North Carolina was the leading industrial state in the South.

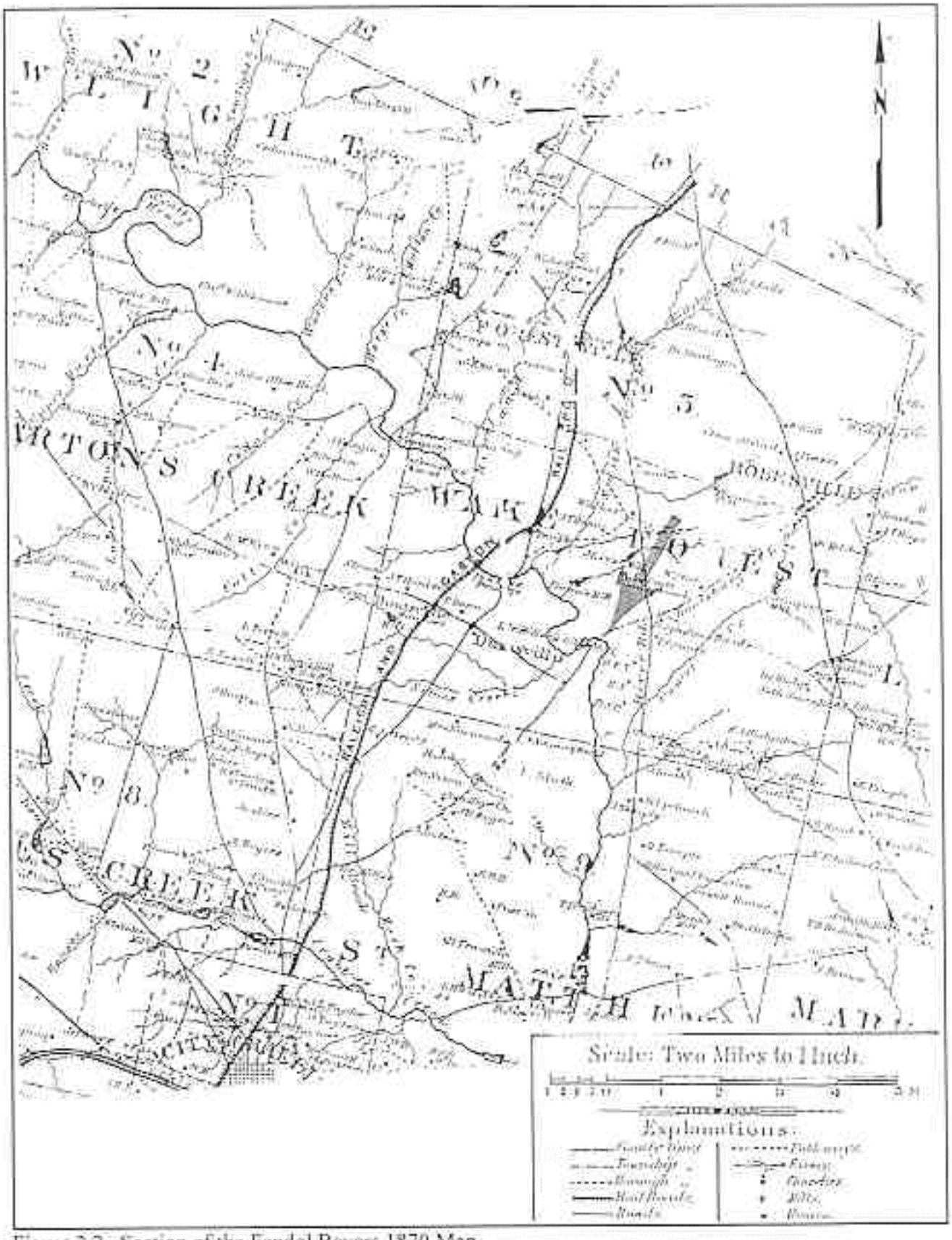


Figure 3.2. Section of the Fendol Bevers 1870 Map.

Cotton farming continued to dominate the economy as late as the late 1870s, but has been in decline since. In the 1880s the brightleaf tobacco industry sparked another period of prosperity in the region. After slavery, the tobacco revival was based on a system of tenancy with widely scattered tenants resident on leased land. The archaeological remains of their humble abodes are the most widespread cultural manifestation on the rural landscape in both the Coastal Plain and Piedmont (Figure 3.3). Tobacco, hogs, cattle, and poultry are the primary cash crops today in the remaining rural portions of the county, but large areas have been taken over by suburban development and the commercial and industrial activities associated with the Research Triangle and state government.

PREVIOUS ARCHAEOLOGICAL RESEARCH

The upper Neuse River basin and Fall Line region has been the focus of considerable archaeological attention since Coe arrived at the University of North Carolina in the 1930s. For the Late Woodland and Ethnohistorical periods, this work was brought to a focus in the 1970s and 1980s by the UNC Siouan Project (Dickens et al. 1987; Ward and Davis 1993). Projects below the Falls of the Neuse are within the Fall Line aspect of the Neuse watershed and reside on the eastern margin of the UNC study areas (Figure 3.4).

Although not in the Neuse watershed, studies by Woodall (1991) and his students in the Yadkin River Valley Project of Early Woodland period sites are also relevant to this and other Neuse Fall Line studies. Before the Wakefield projects, no previous Early Woodland sites had been studied in the Neuse basin.

The Neuse Fall Line region shares with the Yadkin River studies about a third of the Early Woodland components in the state. Because of the construction of Falls Lake Reservoir, most of the work in the immediate area of the Falls has been above the Falls of the Neuse. Several projects were conducted above the Falls of the Neuse in the 1970s because of the construction of Falls Lake (Claggett et al. 1978). In recent years, surveys have been made below the Falls because of housing developments, the Falls River projects and the Wakefield projects.

The Falls River project (Lilly et al. 1995, Lilly 1996) south of the river was followed by survey north of the river in the Wakefield development (Lilly and Gunn 1997), and on the site of the Wakefield School site (Gunn and Lilly 1997; Gunn et al. 1997). Surveys in the Wakefield Plantation development and Wakefield School site were followed by Phase III excavations at three sites: Red Hawk Run (31WA1376), 31WA1390, and 31WA1380, on Wakefield Creek (Gunn et al. 1998).

The surveys and excavations provided substantial new knowledge of prehistoric behavior below the Falls of the Neuse through the study of a river-to-ridge transect of the valley. Studying sites along the transect showed that, as is generally accepted, the settlement pattern shifted from ridge tops to river side in the Archaic to Woodland transition. However, it was found that use of the middle elevation site, 31WA1390, at the riparian-to-valley wall vegetation edge was suspended during the Early Woodland. This suggests that the shift from hunting to fishing associated with the Woodland, at least in certain contexts, was definitive. Phelps (1983) notes that several sites in the Coastal Plain were occupied from the Archaic and abandoned during the Early Woodland.

Numerous other cultural resource studies have been conducted in the northern Wake County area. The following review of available reports focuses on those in the northeastern portion of the county centering on the Falls of the Neuse. The review is divide into two parts: above the falls and below.

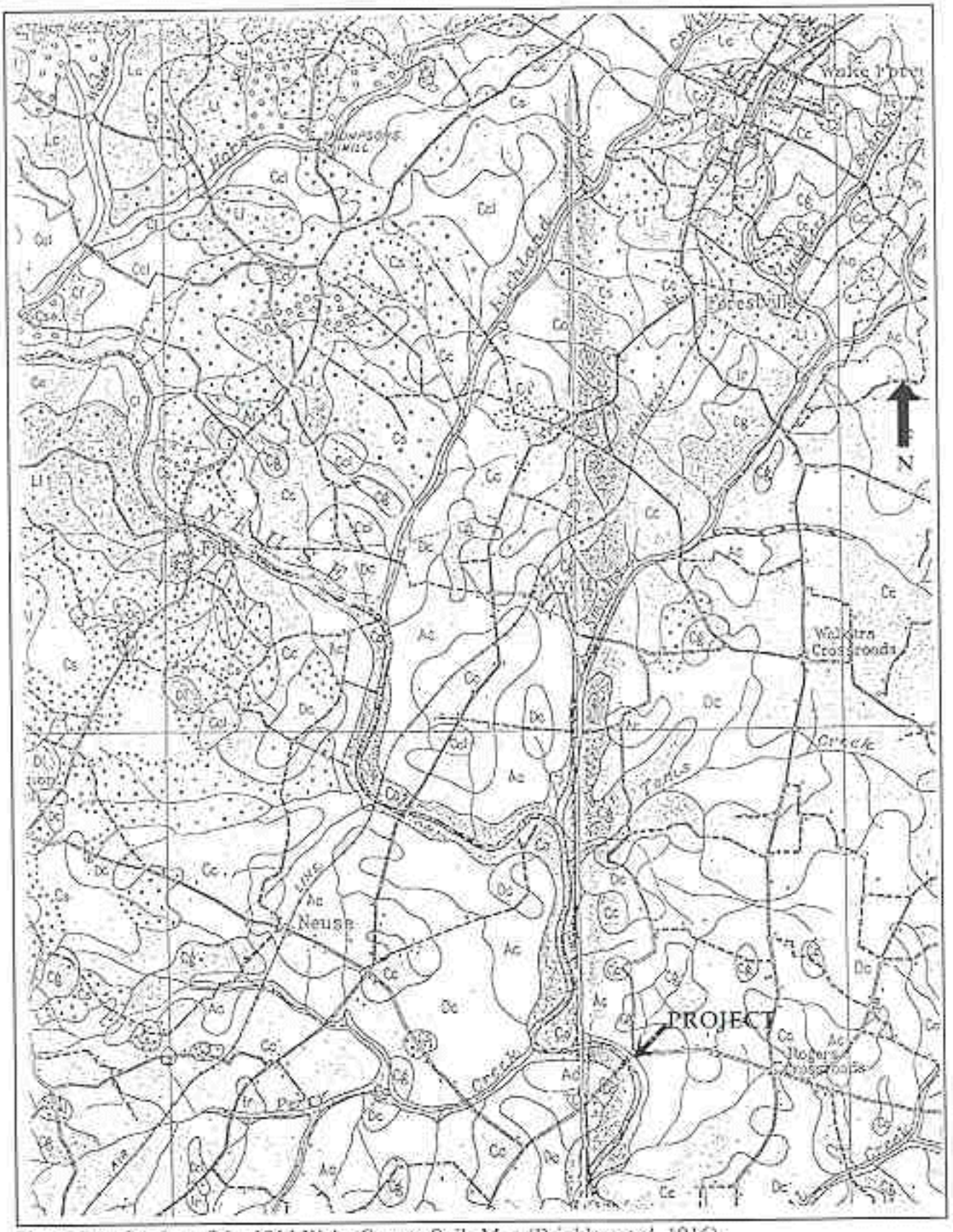


Figure 3.3. Section of the 1914 Wake County Soils Map (Brinkley et al. 1916).

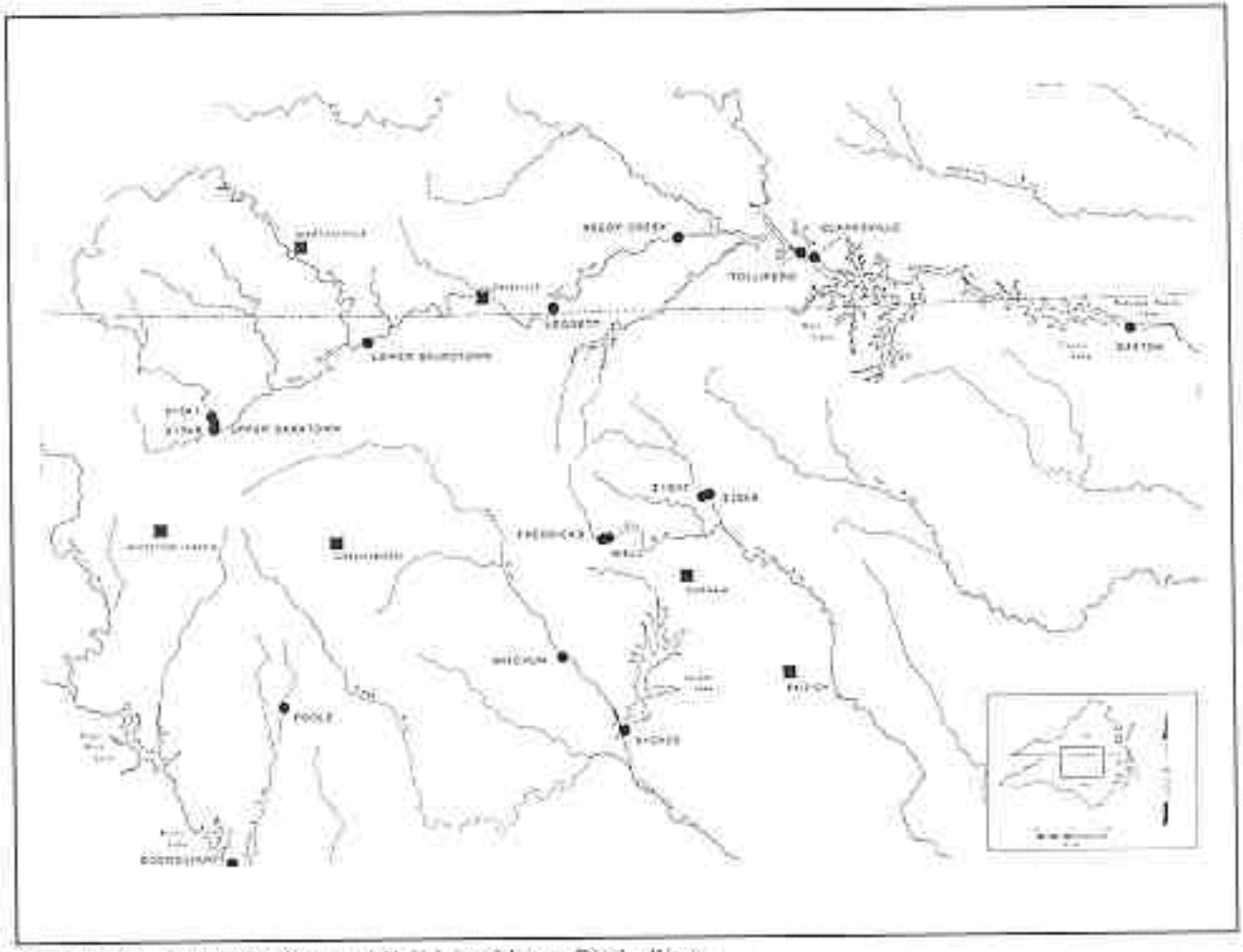


Figure 3.4. Siouan Project and Fall Line Neuse Basin Sites.

Above the Falls of the Neuse

The Fall Line region contains notably high densities of sites. Preparation for the 1970s construction of the Falls Lake Reservoir provided an opportunity to study the character and settlement pattern in the area. Falls Lake reservoir begins about 16 km west of the project area in the Durham Triassic basin. Claggett et al. (1978) identified 235 archaeological sites in 8,100 acres (29 sites per 1,000 acres). Nearly 6% of the sites were on topographic rises in the Neuse River floodplain. Archaic sites were scattered more uniformly over the landscape than Woodland sites, which tended to be concentrated in the floodplains. Archaeological Research Consultants (Baker and Hargrove 1981; Hargrove 1985), working the more elevated areas above the impoundment, found 600 sites in 10,500 acres (57 sites per 1,000 acres). Cable (1991) surveyed 47.8 miles (approximately 1,168 acres) of shoreline along Falls Lake, and found 83 sites (71 sites per 1,000 acres).

Cantley (1993) surveyed 450 acres on Woodpecker Ridge 15 miles northwest of the project area for the U.S. Army Corps of Engineers, Wilmington District. Four previously reported sites were investigated, and an additional 11 sites were discovered. Cantley's (1993:41) summary table indicates that within these 11 sites, two Archaic components and one Woodland component were identified. Six prehistoric components were noted without temporal diagnostics. Three historic components were found. Most of the sites were approximately 30–60 m in longest dimensions.

In late summer of 1995, New South Associates, Inc., surveyed four timber compartments totaling 1,304 acres for the U.S. Army Corps of Engineers, Wilmington District, and identified a number of prehistoric and historic sites within approximately 2 miles of the project area.

New and more localized sources of lithic material have been discovered in recent years. A source of rhyolite and a rhyolite quarry workshop were discovered about 20 miles west of the project area in Durham County (Eastman et al. 1995). Also, Lautzenheizer and Eastman (1996) have reported chert sources in the Triassic basins. The proximity of such resources to the project area could provide information on seasonal rounds and other prehistoric habits. However, the surprising discovery of a rhyolite source at Neuse Levee and a workshop, presumably from river gravels, adds a new dimension to the source material question—not only for the subject of this report, but for the general question of where lithic resources are found. Lithic resources will be further discussed in the lithic analysis chapter.

Below the Falls of the Neuse

Several projects have been conducted in the area below the Falls of the Neuse. Archaeological Research Consultants (Hargrove 1991) conducted a survey of the Little River Reservoir eight miles to the southeast of the study area. The survey included 2,495 acres below the 280-foot contour. Four previously recorded sites and 104 additional sites were investigated (43 sites per 1,000 acres). This survey is of interest to the Neuse Fall Line region study because it covered both lowlands and uplands using currently accepted standards. That site density was lower than on Falls Lake Reservoir might be due to the more Coastal Plain environment of the Little River. Most of the 108 sites were eroded lithic scatters.

Within the proposed reservoir was Mitchell's Mill (31WA892). It was a milling community with a gristmill between about 1800 and 1915. It is listed on the National Register of Historic Places (NRHP) and included in the North Carolina Park system.

Archaeological Research Associates (Hargrove 1986, 1987) conducted a survey of the Neuse River/Perry Creek Sewer Interceptor between Richland and Crabtree Creeks (approximately 13 river miles). Hargrove's survey actually covered the reach of the Neuse River that includes Neuse Levee. However, the pipeline right-of-way cut across the meander loop to the south of the site, so the survey did not actually cross Neuse Levee. A 50% sample of the line was shovel tested at 40-m intervals. Seven sites, similar to Neuse Levee, were discovered, all on Congaree soils, but none on Wehadkee, Bibb, or Chewacla soils, which were also investigated.

Directly relevant to the Neuse Levee project is Maher's (1992) survey 4.5 miles of US 401 for the present project involving highway widening by NCDOT. Four sites were discovered. He summarizes his and other findings as follows: "Sites are located both within the Neuse River floodplain and on elevated areas adjacent to smaller steam course . . . [T]here is a strong potential for buried, significant sites in the Neuse River floodplain on, or adjacent to, levee remnants" (Maher 1992:10).

A year later, Glover (1993) tested 31WA1137. He reported that the site is 28 x 45 m and is on a levee 3–4 m above the Neuse River. Two test units were excavated. One 1-x-1-m unit on the historic levee was sterile. A 1-x-3-m unit on the prehistoric levee contained a Yadkin point, rhyolite chipping debris, and sand-tempered sherds. Deeper levels contained "Guilford" Middle Archaic and Savannah River Late Archaic points. The deepest level was 95 cm below the surface. Glover maintained that the site was of singular importance, as few undisturbed Archaic sites are known in North Carolina.

In the spring of 1995, Garrow and Associates, Inc., conducted a cultural resources survey of 1,000 acres south of the Neuse River just below the Falls Lake dam for the Falls River Development; that survey identified 25 archaeological sites (25 sites per 1,000 acres), including 11 prehistoric components, 12 historic period components, and two multicomponent sites (Lilly et al. 1995). In addition, 20 isolated prehistoric finds were located. Four of those sites were recommended potentially eligible for the NRHP

based on their possible undisturbed and significant deposits. Both 31WA1216 and 31WA1230 were Middle Woodland period occupations that produced assemblages of prehistoric ceramics and lithics. Site 31WA1222 produced a small Savannah River Stemmed point from the Late Archaic period. Site 31WA1223 was dated to the Middle to Late Archaic period based on the presence of two Guilford projectile points and a soapstone bowl fragment.

Garrow and Associates, Inc., tested sites 31WA1216 and 31WA1230 in the fall of 1996 in order to determine if they contained intact and significant prehistoric data that would render them eligible for the NRHP (Lilly 1996). While 31WA1216 was found to contain no significant and intact deposits, 31WA1230 did contain intact subsurface layers with a moderate assemblage of both ceramics and lithic debitage. The ceramics dated to the Yadkin phase of the Middle Woodland period (ca. A.D. 600–1200).

Sites 31WA1376, 31WA1380, and 31WA1390 (see Figure 3.4) were identified during Phase I on Wakefield Creek in 1997 (Gunn, Idol et al. 1997; Gunn and Lilly 1997). Twenty-one road and sewer crossings were investigated within the Wakefield Plantation development property, and four road and sewer crossings and 110 acres were surveyed for the Wakefield School property. The Wakefield School site was surveyed exhaustively, and seven additional sites were discovered.

Site 31WA1376 was preserved mostly intact beneath a layer of alluvium. The site measured 40 x 25 m with deposits extending from approximately 23 to 107 cmbs (Gunn and Lilly 1997). It had the second highest artifact density index (54 artifacts per 1-x-1-m unit) among the three Wakefield Creek sites. Artifacts included rhyolite and quartz flakes, several chipped stone tools, Middle Woodland (ca. 400 B.C.–A.D. 500) sand- and grit-tempered pottery sherds with eroded surface decorations, fabric-impressed grit-tempered sherds, and one Wakefield projectile point. A Hardaway projectile point collected from the surface suggested a terminal Paleoindian occupation. Three features were found. Feature 1 was a midden of dark organic soil with an oxidizable carbon ratio date of A.D. 275. Feature 2 was a concentration of four large rocks. It appeared to be a vessel stand. Feature 3 proved to be a rock discard feature comprised of a dense concentration of burned rocks without charcoal. It was found to have excessively high phosphorus concentrations and was assumed to be a fish processing facility.

Site 31WA1380 was located on a third terrace at the confluence of two streams with Wakefield Creek. This site measures 30 x 30 m and was occupied during the Late Archaic and Early Woodland (Gunn, Idol et al. 1997). This site had the highest artifact density index (71 artifacts per unit) among the three sites. Artifacts included numerous rhyolite, quartzite, and quartz flakes; fabric impressed and cordmarked sherds, and one specimen each of Palmer, Guilford, Yadkin, and Piscataway-like Wakefield points. A probable feature was identified. Phytoliths from the feature seem to indicate an open canopy above a fire place. The feature area contained the highest concentration of ceramics in the site and in the watershed. In Area A a large stone was found with Guilford (fine variety) and Savannah River points.

Site 31WA1390 measures 45 x 25 m (0.1 ha) (Gunn, Idol et al. 1997). The site was located on two stream terraces. It contained the lowest artifact density among the three sites (31 artifacts per 1-x-1-m unit). Artifacts included rhyolite, quartz, and quartzite flakes, triangular projectile points, and ceramic sherds. These artifacts were found both on the floodplain and terrace. Microscopic charcoal in phytolith samples suggested a hearth. A Morrow Mountain and a Savannah River point and crude bifaces were found. An Eared Yadkin point was recovered in the upper stratum, but no Wakefield points.

Since no pre-Woodland components in the floodplain aspects of the Wakefield sites have been discovered, it is likely that pre-Woodland deposits were scoured during earlier, more flood-prone episodes of the Holocene, probably the Middle Holocene. Only 31WA1376 has possible Middle Holocene deposits, but there are no cultural materials. That the Late Holocene sediments in the sites have survived, despite the historic introduction of agriculture to the area suggests a relatively benign Late Holocene flood regime compared to the Middle Holocene.

The last site on the valley transect (see Figure 2.2) is 31WA1387, and its landform equivalents 31WA1065 and 31WA1389. These sites are completely upland and solidly Archaic in age of occupation. Only one sherd was found at 31WA1389 out of the hundreds of artifacts from the sites. Site 31WA1389 is clearly the most densely covered with artifacts and, by inference, the most frequently and densely occupied. It is also closest of the three sites to the Neuse River, both in elevation and distance. Was 31WA1389 the most habitable upland site in the region during the Middle Holocene, or were there other, more richly endowed sites lower and closer to the Falls of the Neuse? Further intensive survey such as that done on the School Site would be necessary to determine this.

In a project designed to further test for sites in small floodplains, Hargrove (1998) explored valley bottoms on the eastern slope of Richland Creek in the Wakefield development. Three sites were found: two were on ridge noses to the west of Richland Creek, and one (31WA1398) was located on the floodplain of a small unnamed tributary of Richland Creek. The location is about 600 m up Richland Creek from its confluence with the Neuse River and 100 m east of the tributary confluence where it erodes into the Richland Creek valley wall. The location is analogous to that of Red Hawk Run (31WA1376), the site on Wakefield Creek with the elevated phosphorus signatures. Its location could signal a similar site function of fish exploitation. Late Archaic, Middle Woodland, and Late Woodland artifacts were found. These included six net-impressed sherds, implying a Late Woodland occupation, which differs from any of the Wakefield Creek sites but parallels the assemblage at Neuse Levee. Although more sites should be examined, it is possible that net-impressed sherds at Richland Creek and Neuse Levee reflect a realignment of settlement away from the high-relief terrain at the Fall Line, such as that at Wakefield Creek near the Falls of the Neuse in the Early Woodland, toward open, perhaps arable, floodplain lands in the Neuse Levee sediment basin in the Late Woodland. A similar pattern has been noted at the Great Falls of the Potomac in northern Virginia (Potter 1993).

Neuse Fall Line Settlement Patterns

Other surveys and other Woodland sites comparable in size, topographic and geographic setting, and structure to those discovered in the Wakefield Plantation project provide a context in which to evaluate the regional settlement pattern. The comparable sites were found during intensive survey and testing studies conducted for the Falls Lake and Little River reservoirs, within 10 miles of the project area. The Falls Lake study is west of the Wakefield project area and toward the Piedmont. It presumably represents a more characteristic Piedmont settlement pattern. The Little River study is toward the Coastal Plain. The Wakefield Creek projects are at the transitional zone between the Piedmont and Coastal Plain, and in the transition between the Falls Lake and Little River studies.

Looking first to the west, of the 280 sites identified above the Falls of the Neuse by Claggett et al. (1978), 66 sites exhibited evidence of Woodland period occupation. Of those, two (3%) were from the uplands (Figure 3.5), 25 (38%) were from the transition zone, and 39 (59%) were from floodplain or from low stream-side terraces. Only 16 of the sites were single-component Woodland period occupations; over 80% of these were in floodplains or on low streamside terraces. To the east, in Hargrove's (1991) study of the Little River drainage, 40 Woodland sites were investigated. Three sites (7.5%) were identified on stream terraces (31WA17 is a multicomponent site). Thirty-five sites (88%) were located in upland settings. This reversal of upland/lowland frequencies of sites between the Falls Lake and Little River areas indicates very different land use patterns.

An overview of the landform and soils setting of the seven prehistoric sites found during the Wakefield project (Table 4.1) reveals some variability in their distribution in the landscape. Four sites (57%) are in floodplain/terrace situations, one site (14%) in the transition zone, and two sites (29%) in upland ridge crests. Thus, as might be anticipated, the Wakefield pattern, like its physiographic zone, is transitional between Piedmont and Coastal Plain (see Figure 3.5). Soils origins of the sites were obtained as well. The upland Wakefield sites are located wholly or in part on the Appling soil (Table 3.1). Lowland sites are on Mantachie soil, or in the case of 31WA1378, the Wehadkee-Bibb soil.

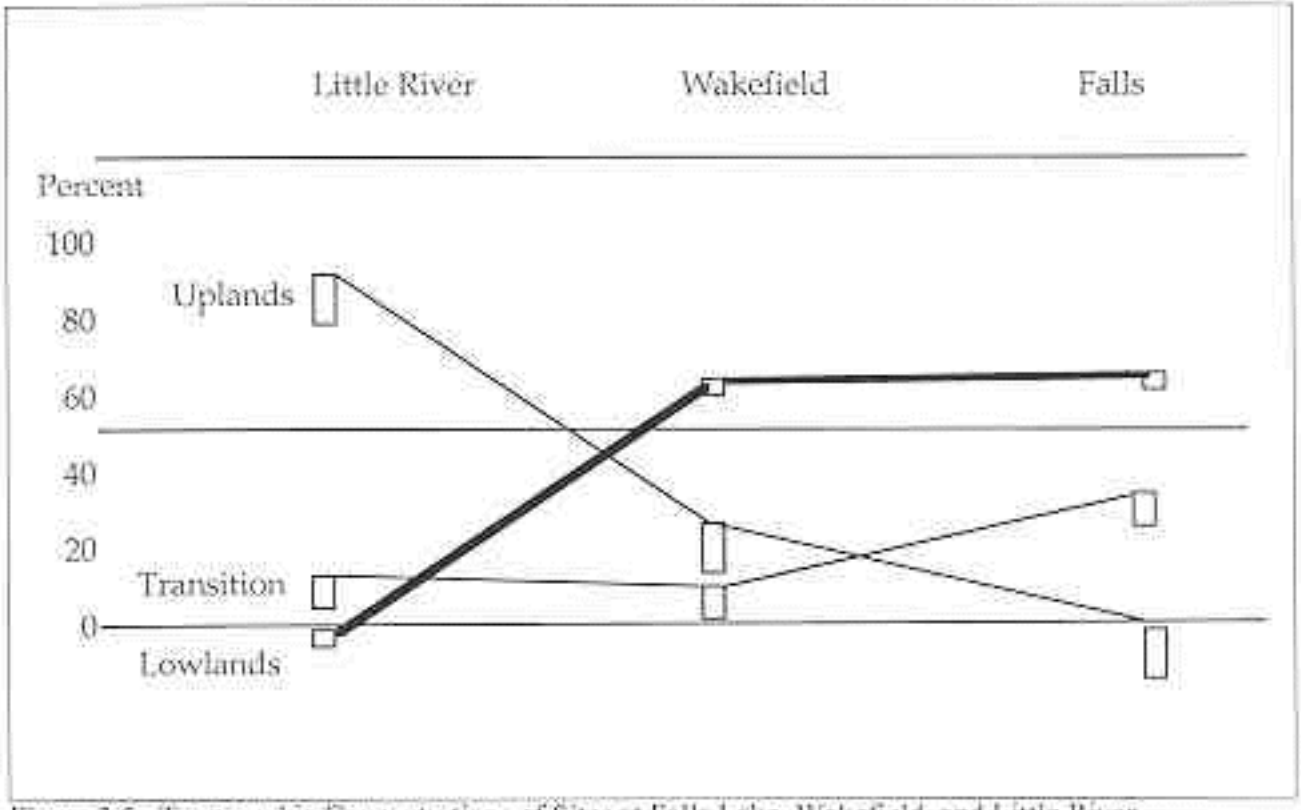
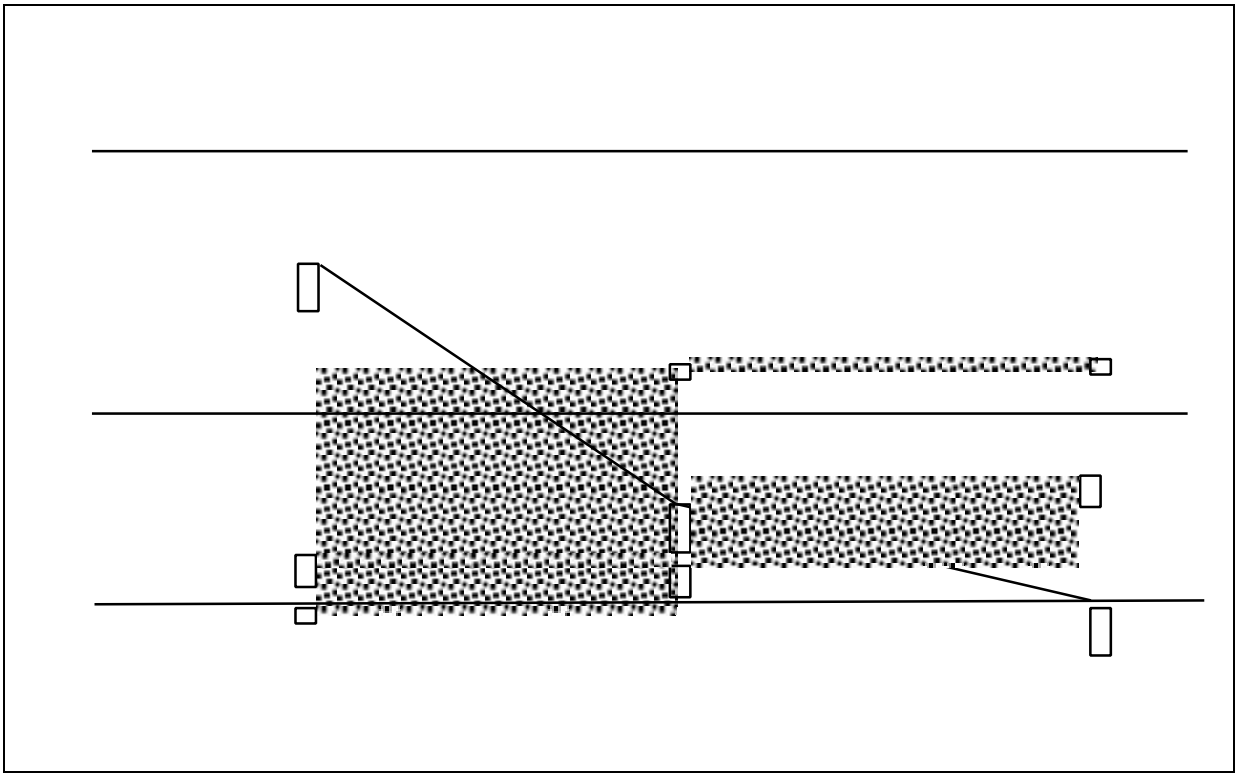


Figure 3.5. Topographic Concentrations of Sites at Falls Lake, Wakefield, and Little River.



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In Hargrove's (1991) Little River study, 19 (51%) of the 35 Woodland sites found in upland settings were on Appling sandy loam similar to that of the Wakefield School site project. As in the Wakefield School site, none of these upland sites possessed intact deposits. One site was a Middle Woodland component in upland Louisburg loamy sand.

Site 31WA1230, south of the Neuse River at the Falls (Lilly 1996), lies in a streamside terraces setting rather than in uplands. It therefore resembles in location the Wakefield sites, and also those of the Falls Lake surveys. However, since 31WA1230 also lies in Appling sandy loam, there is a correlation with the Woodland sites on the Little River.

In a previous study (Gunn and Lilly 1997), site 31WA1376 was suggested to represent some sort of activity, probably fishing, at the highest locations on tributary streams with substantial pools of water. The organically rich soils with elevated levels of phosphorus (see Leigh in Gunn et al. 1998) and the accumulation of burned rocks in the site support a hypothesis of processing fatty fish, perhaps shad (see Millis in Gunn et al. 1998). Although no archaeological evidence supports migrations of anadromous fish into the Piedmont, when Euro-American settlers started to dam the Deep River near High Point to build mills, protests were lodged against these construction projects because they blocked the shad runs (Gunn et al. 1993). Prehistoric people on the Neuse could have relied on similar foods.

Table 3.1. Summary of Prehistoric Sites on Wakefield Creek and Neuse Levee.

Site	Elevation	Components	Landform	Soil
31WA1387	364	Archaic, Woodland	Ridge crest	Appling/Cecil
31WA1065	343	Prehistoric	Ridge slope	Cecil
31WA1389	325	Early Archaic, Woodland	Ridge crest	Appling/Cecil
31WA1380	280	Early/Middle Archaic, Woodland	3rd Terrace	Appling
31WA1390	265	Middle Archaic/Woodland	2nd Terrace Floodplain/3rd Terrace	Mantachie
31WA1376	220	Paleoindian, Woodland	1st Terrace Floodplain	Mantachie
31WA1378	215	Prehistoric	1st Terrace Floodplain	Wehadkee Bibb
31WA1137	183	Late Archaic, Woodland	Floodplain Levee	Congaree

4. RESEARCH DESIGN

INTRODUCTION

The Secretary of Interior's Standards and Guidelines (1983), the scope of work (NCDOT 1998b:3), and Data Recovery Plan (NCDOT 1998b) for the Neuse Levee site Phase III request a regional geological and cultural framework for the Neuse Levee project. The foregoing chapters have explored the environment, cultural history, and research ideas and methods commonly held in the Piedmont and adjacent regions. This chapter briefly reviews the background findings in an overview perspective, and attempts to formulate middle range concepts (Raab and Goodyear 1984) that link activities at the Neuse Levee site to the regional and Southeastern area concerns of the archaeological community. This design has been developed over several years of research in the Neuse Fall Line region, and is tailored in the following pages to support the guidelines in the NCDOT Data Recovery Plain.

The general research goals forwarded in the Data Recovery Plan are to:

- Determine the role of the site in the regional Archaic subsistence pattern. This was to be done with special reference to using the unusual Archaic floodplain deposits of the site to correct misinterpretations inherent in the archaeological literature because of the rarity of Archaic floodplain sites.

- Measure environmental changes as evidenced by the stratigraphic record of alluviation.

The first objective is set by NCDOT in the context of four key questions relating to Archaic site function, lithic-related activities, questions of mobility as it relates to lithic reduction techniques, and subsistence activities, especially with respect to seasonality.

These questions complement an ongoing research program for the Neuse Fall Line region developed during the Falls River (Lilly et al. 1995) and Wakefield Creek projects (Gunn et al. 1998) and Richland Creek (Hargrove 1998) sites. The methods and concepts of the Neuse Fall Line region research design were evolved from synthetic intersite studies in the North Carolina Piedmont by Davis (1987) and further elaborated by Gunn et al. (1998). The Wakefield Creek implementation of the design focused on the transition between the Archaic and the Woodland time periods, while the Richland Creek study sought to discover the relationships between small floodplains and Woodland sites.

These foci are also broadly appropriate for the Neuse Levee site, as its cultural deposits span the Late Archaic and Early Woodland periods as at Wakefield Creek. However, the presence of Late Woodland artifacts at Neuse Levee requires additional consideration of issues relating to that period, as on Richland Creek. The most appropriate concern for the Late Woodland would seem to be the transition to a more agriculturally based economy and the landscape ramifications of that era. This extended Neuse Fall Line region perspective is overlaid on the physiographic transition between the Neuse River floodplain sediment basin (see physiography in Chapter 2), within which the Neuse Levee site occurs, and the surrounding upland ridges (see review of archaeological sites in the Neuse Fall Line region in Chapter 3). Linking these conditions are various data classes, including lithics, ceramics, fire-cracked rock, carbon dates, botanical remains, and site sediment characteristics. From these relationships we attempt to reconstruct the land uses and site occupation customs of the past.

NEUSE FALL LINE REGION GEO-BIOPHYSICAL RESEARCH DESIGN

Most of the studies of archaeological sites in the North Carolina Piedmont and Inner Coastal Plain have focused on issues of chronology, lithic and ceramic technology, and geomorphology (Claggett and Cable 1982; Coe 1964; Davis 1987). Coe's work at the Doerschuk site established a tradition of sophisticated geomorphic study of sites to define a context for site formation processes.

More recently, interests have turned to seasonality of occupation (Byrd 1997; Gremillion 1993; Rogers 1993; Woodall 1991, 1996). Successes have been realized on the studies of more recent Late Woodland sites (Byrd 1997; Gremillion 1993). They have generally examined paleobontanical and faunal remains through carbonized plants and bone (Scarry and Scarry 1997). Other insights into past seasonality and mobility have been offered, including the idea that decreases in storage pits are linked to a more settled way of life (Gremillion 1993; Rogers 1993; Woodall 1991, 1996). This correlation is presumably because permanent residents of a site can store food in durable containers such as ceramics and are less in need of hiding their produce while attending as a group to other parts of their seasonal round.

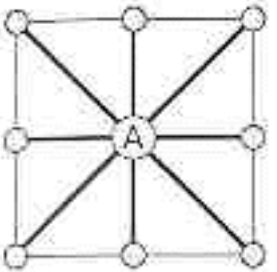
As outlined below, we attempt to use alternative methods to explore more remote time periods before the Late Woodland. No direct historical sources exist and the cultural and environmental terrain was potentially quite different from that of early history. An attempt was made in the Wakefield projects to consider chronology and seasonality, both theoretically and empirically. Landscape models engage the whole environmental context in the effort to interpret site use, frequently adding such insight to interpretation simply by infusing traditional analyses of fauna, flora, and techno-functional attributes of artifacts with topographic context. Site catchment analysis was an early example of such models, but landscapes are not limited to catchments. For the purposes of this study, the landscape is composed of the geology, hydrology, soils, and climate of the region. In such a landscape, topography assumes an important role because the Neuse Fall Line region involves several sites with diverse topographic characteristics, and the entire watershed is set in the topographically diverse fall line region. We have also explored fish behavior as riverine resources and large-game behavior as upland resources. We borrowed a model of Archaic to Woodland settlement pattern change from Mouer (1991), and observe the sources of external cultural influences that appear at the sites.

From States to Continua

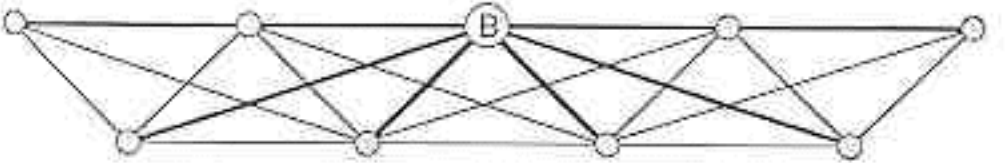
It is generally accepted that there were important changes in subsistence regimes between the Archaic and Woodland periods. The concept of shifts from upland to lowland orientation probably derives from Caldwell's (1958) subsistence intensification hypothesis. To our knowledge, this issue has been treated largely in terms of a switch between two states; basically people were either upland- or riverine-oriented.

Mouer (1991) developed an information theory-based model of the Archaic–Woodland change (Figure 4.1). It is expressed in terms of an Archaic communications net and a Woodland communications line. Archaic-period communications are conceived of as an open net extending more or less uniformly over upland and riverine environments. Within this net, archaeological sites form nodes near resources such as lithics, water, and food sources. Trails and watercourses are the communications channels between the nodes. Along these trails and watercourses, people moved to habitats according to the seasonal availability of resources at a node. Visits between groups were probably infrequent and calendrical. During those occasions, information was exchanged on the availability of resources, whereabouts of mates for young people, news of events in other parts of the net, and some trading of luxury goods with symbolic import.

During the Late Archaic this information scheme was refocused, with more emphasis placed along riverine habitats. The change was probably influenced in part by substantial environment dislocations between the Middle and Late Holocene, about 2500 B.C. (Gunn 1997). Crucial to our outlook on the



a: "Field" interaction model applicable to sylvan hunters and gatherers. The bold lines represent direct connections between "A" and eight nearest neighbors. Note that the interaction pattern forms a "cell" of neighbors, with no crossing lines.



b: "Chain" interaction model applicable to riverine hunters and gatherers. The bold lines represent connections between "B" and eight nearest neighbors. Note that lines of communication cross frequently, and that some of "B's" connections go through the territories of nearer neighbors.

Figure 4.1. Mouer's (1991) Archaic-Woodland Transition Information Model.

Coastal Plain/Piedmont transition zone, is the stabilization of sea level at about this time (Brooks et al. 1986; Brooks et al.1989; Tanner 1993). This stabilization not only opened the huge estuaries of the Atlantic coast to reproduction and movement of anadromous fish, which depend on spacious estuaries to move from fresh to salt water, but also influenced floodplain depositional environments up to the Fall Line. Lower-level precipitation is also modulated by onshore winds blowing across warm shallows in the Coastal Zone; upon coming to uplifts, such as the Fall Line, orographic processes release the moisture gathered from coastal environments. Whatever other influences were involved, these enriched riverine habitats would have invited the attention of people who already spent some of their time in floodplain camp sites such as Neuse Levee, where Late Archaic Savannah River occupations are found. With the development of river fishing technology, and perhaps the co-utilization of floodplain sediments for horticulture of indigenous cultigens (Potter 1993; Smith 1989), much of the needs of substantial populations could be met.

In some regions researchers have observed that floodplain site location is constrained by the arable land to support a village (Potter 1993). This new, more constrained occupation pattern would have required a new set of communications rules. According to Mouer's model, it would have resembled a multiple-channel line following the floodplain's waterborne traffic. Under these circumstances, communications would have been more frequent, non-calendrical, and potentially volatile as disputes arose over resources, exchange networks were arranged and maintained, and resources of different regions shared. The transition from Early to Late Woodland would not have changed the overall design of the communications line system, but rather intensified it. An important question for this project, which is closely related to the Archaic-Woodland transition question, is: What were the ramifications of more

intensive utilization of floodplains for food production? This question applies to both the site role and environmental change objectives in the Data Recovery Plan (NCDOT 1998b:3) at a second temporal locus, the Early-(Middle)-Late Woodland transition. Exactly when the critical transitional issues engage is remains unclear.

In the Wakefield Creek study, thanks to the opportunity offered by a series of sites spanning floodplain to upland, we attempted to discover the links between upland mast-oriented activities and lowland riverine activities. It can be said with some assurance that the two aspects of subsistence are not mutually exclusive. Evidence is plentiful that the gathering of nuts and the extraction of nut oil continued into the early historic period. It is also clear from archaeology that riverine occupations played a significant role in Archaic settlement patterns at places such as the Doerschuk (Coe 1964) and Warren Wilson (Keel 1976) sites. In the five intensely studied sites in the Wakefield Creek study area, a pattern of Woodland ridgetop abandonment was evident. Similar patterns have been found in the Wadesboro/Pageland area further down the Fall Line (e.g., Gunn and Foss 1992; Gunn and Wilson 1993). Especially detailed are the Savannah River Site studies disseminated in several publications and summaries (e.g., Blanton and Sassaman 1989).

Stated succinctly, the Neuse Fall Line region perspective is concerned with not only upland and lowland occupations, but also what lies between. What are the processes and activities that were carried out in the interim areas between upland and lowland? What are the times of the shift from upland to lowland? What was the proportion of the shift relative to elevation? In short, the concerns are to change focus from two states, upland and floodplain, to continua, scales of activity between the floodplain-to-ridgetop topographic extremes. The riverside location of the Neuse Levee site affords an opportunity to evaluate riverside activities in the Archaic and Woodland periods.

The study of continua is implemented through usual analyses of lithic and ceramic technology and features, supplemented by analysis of extensive sediment samples by a multidisciplinary team. From these specialists come the residues of content and activity of humans stratum-by-stratum. By combining the cultural and environmental lines of evidence, we hope to extend understanding of the relationships between resource nodes in the Woodland communications regime. Presumably Neuse Levee was one of the communications net nodes in the Archaic and a line node in the Woodland. How did these changes of function affect the activities at the site?

Nut and Fish Oil + Plant Domestication

To gather information toward answering the questions posed below, and link the answers to Southeastern archaeologist's research topics, an extensive network of sediment samples was taken from Neuse Levee following methods developed at the three Wakefield Creek sites. It was hoped that new geochemical methods would provide information unavailable from more traditional analyses. Perhaps the most compelling reason for doing so was that some of the most important areas were not identifiable or were only marginally identifiable through traditional artifact analysis methods. The topographic location of the site suggests that it could have been associated with fishing. However, without some sort of definitive identification of fish residues, this could only remain an unsubstantiated inference.

The first effort to identify fish or other animal remains was the well-tested approach of analyzing sediments for phosphorus. Fish are particularly rich in phosphorus (Goffer 1980; Walker 1992). Samples were taken in vertical columns and a transect across the site to determine if there were enriched phosphorus areas near features such as rock discards or point concentrations (see geology discussion in Chapter 2).

A second line of effort examined sediment samples macro- and microscopically for biotic remains. Special samples were drawn from features; column samples were also taken to establish a linear sequence of site habitat changes.

During the Woodland period, Native Americans supplemented nut oil with fishing as an important means of food gathering. As is noted by Mouer (1991), the shift of food orientation probably had vast ramifications throughout society. Social organization could no longer revolve around a social net comfortably draped over the uplands and lowlands, but rather complex relationships had to evolve between villagers along river courses. This required a greatly enriched social network that telegraphed the intentions and desires of individuals and groups along the water courses and regularized their exchanges of goods and passages from place to place.

Also contemporary with the time span of the early Woodland Neuse Fall Line region sites is the development of indigenous domestic plants in the eastern woodlands (Smith 1989). The domestication process probably began with gourds at the time Morrow Mountain point users were occupying the Wakefield sites. During the Late Archaic several additional plants such as sunflower were domesticated. As the Early Woodland Eared Yadkin and Wakefield point users were along Wakefield Creek, a period of experimentation and secondary use of domesticated plants gave way to dominant reliance in some regions of the Midwest and Midsouth (Smith 1989). Smith believes, based on information available in 1989, that groups along the Gulf and Atlantic coasts continued to rely primarily on non-domesticated plants until much later. This could have been because anadromous fish and other indigenous resources were so rich that there was little incentive to change to a more labor-intensive scheme.Perhaps fishing and hunting were rich enough resources to preclude interest in domestication. At the same time that an important switch to indigenous domestic plants is documented in the Midwest between 250 B.C. and A.D. 200, at least one investigator believes Native Americans in North Carolina were the first in North America to use extensively the bow and arrow (Woodall 1996). However, residues of pipe tobacco have been recovered along the Fall Line in the first millennium A.D. (Oliver 1985). Does this suggest a selective use of domesticated plants? Other evidence of domestic plants has been found in the state, but, only chenopodium has been identified from before the Middle Woodland (Scarry and Scarry 1997:9). The specimens appeared in a Late Archaic context, but a species securely identified as domesticated does not appear until the Middle Woodland. The data generally seem to support Smith's hypothesis of no domesticates on the Atlantic Slope, but they are not conclusive; thus, it is important to observe rare Early Woodland sites closely for evidence of domestic plants, especially in highly occupied locations such as along the Fall Line, where supplementing wild food could have been important.

In our transect of sites from the Neuse River to the Neuse ridges, we suppose that the ridge would have always been a source of nut oil and the river always a source of fish oil and other fish products, possibly supplemented by horticulture of domesticated indigenous plants. The question in the cases of Wakefield Creek sites is how the transition was made from nut oil to fish oil. Was it abrupt, with only Red Hawk Run (31WA1376) providing fish products, or was there a gradual replacement from site to site up from the river to the ridge? The evidence seems to suggest that both nuts and fish were consumed in the Early Woodland. Surprisingly, hunting at the riparian edge might have been abandoned, or reduced in scope, or done in another way because of habitat change. The study of large game presented in the fauna section, taken with the reduced activity at 31WA1390, might suggest that the extensive burning of uplands observed by John Smith began in the middle of the first millennium B.C. and that somehow shifted the pattern of hunting. These are of course questions for studies broader and deeper in scope than this one. At the same time, because of its floodplain location on prime agricultural lands, the Congaree soil, what does Neuse Levee tell us about plant domestication along the North Carolina Fall Line?

Lithic Analysis Regime: Biface and Core Reduction Stages

The nut–fish oil hypothesis suggests that Woodland people not only exploited the lowlands, but also utilized the upland. Archaeologists ordinarily use sherds as signatures of domestic activity, but of all of the artifacts recovered in five upland sites at Wakefield Plantation, there was only one sherd. This raises the question of how to detect Woodland activity in the dominantly Archaic upland habitat. Points can also signal the presence of Woodland activity, but small triangular points are not related the collection of nut oil. If Potter's (1993) citations of ethnohistorical observations apply, expeditions to the uplands were

equipped and launched from riverside sites. Several researchers have made an effort to use the contrast between flake cores and biface cores to detect activity reaches. It is generally accepted (Glover 1998; Goodyear 1982) that biface cores are sometimes associated with more mobile societies and flake cores with more sedentary social organizations. The design suggested for this site sequence was to test the ratio of core flakes to biface flakes to determine if there were changes over time (see below for methods). For heuristic purposes his model assumes that Archaic people are habitually or preferentially biface flakers (mobile), and the Woodland people, core flakers (sedentary). Obviously, the bifacing technology was not lost to Woodland artisans, as they also made points and used bifaces. Thus, it must be recognized that bifacing could also reflect Woodland activities. Were collecting sorties to the uplands preferentially equipped with bifacing technology because of the mobility it affords? Would the core-biface flakes ratios in Neuse Levee reflect the dominance of either upland or lowland gathering? The multicomponent levels at Neuse Levee provide an excellent opportunity to examine this question.

With its vast store of lithic debris one might jump to the conclusion that the Neuse Levee site is an exceptional place to study the mobility–technology problem. However, a great proportion of the flakes are core flakes by virtue of the quarry character of the site. Most flakes should be core flakes because splitting and initial working of a stone require the production of characteristic core flakes. Thus, the question is not entirely straightforward. Perhaps the proportions of core to biface flakes could be compared from component to component, except that evidence has emerged that something, perhaps silting of the river bottom at about the beginning of Late Woodland, reduced availability of local cores and lithic material was imported to the area from upstream (see geology discussion in Chapter 2 and lithics analysis Chapter 10).

How does one account for the unusual string of sites along the narrow floodplain of Wakefield Creek, and what bearing does this have on Neuse Levee? Would the richer resources at the Fall Line and Falls of the Neuse be pertinent? More generally, why do populations at resource-rich locations tend to occupy a wider range of habitats? This allows a view of both Fall Lines and coastal zone through the same lens. At locations with dense population aggregates, such as falls, along the Piedmont fall line, or at heads of estuaries in the Coastal Zone (which is well documented in the tidewater area of Chesapeake Bay), people are more likely to organize field parties to exploit uplands even though their primary settlements and focused on lowlands (Potter 1993; Steponaitus 1986). The reason for this might be that resource-rich zones are better able to afford expeditions to nearby uplands in both material and people, or that population overshoot is more likely to require exploitation of extended vertical ranges. A third possibility is an issue of taste vs. calories; that is, if one is in a habitat of plenty, one can afford to resort to select food items from the environment, and even sample a wider range of resources in nearby habitats; but if one is in a less bountiful environment, issues drift more toward obtaining sufficient calories to survive. This idea suggests that groups far from resource-rich aggregates are more likely to focus on the dominant subsistence mode of their time, floodplain farming and fishing in the Woodland and mast and hunting in the Archaic, because it provides the most reliable produce and uses and maintains the greatest amount of cultural skill. Thus, away from the opportune places such as fall lines and estuaries, Archaic culture would have been concentrated in the uplands, and Woodland in the lowlands. In the ecotonal transition zones, each expanded to the alternative habitat, thus explaining an Archaic deposit at Neuse Levee.

Lithics and Activities

At the Wakefield Creek sites point breakage and flake reduction stages were studied to determine the type of activity being undertaken. Point tips, for example, are of no apparent value when broken from the rest of the point and haft (see Figure 5.3, and below for methods of observation). Possibly they were broken in difficult work circumstances, such as butchering large animals or woodwork. Medial fragments imply extended difficult work with no time taken to resharpen the broken tip. Bases represent an entirely different setting in which the time and materials for rehafting are present. The refurbishing activity is most likely to be undertaken in the comfort of a base camp, probably while other time-consuming tasks are transpiring.

Similarly, the stage of lithic reduction also reflects the temporal circumstance. Large, secondary flakes of exotic material imply leisurely preparation of tools from raw materials brought in from a distance. Primary flakes should appear in quarry circumstances, where time is being taken to remove unusable parts of a core before transporting it. Tertiary flakes indicate the final stage of reduction, in which tools are being finely shaped, resharpened, or reshaped after damage. Such activities will probably follow decisions about intended activities and tool use.

In yet another perspective, Brown (1998) has suggested that the larger a flake is the more likely it is to be redeposited by cleaning or other processes that are likely to change the original location of debitage. Smaller flakes are more likely to remain in place because they will be missed in the cleaning or moving process. Some of the flakes in the Archaic levels at Neuse Levee are very large and very concentrated. Whether there are reconcentrations of lithics in different squares, suggesting movement of large flakes, can be tested using a fractal equation that describes the usual size distribution of flakes.

FCR Analysis Regime: Functional Area Identification

Concentrations of rock are key indicators of prehistoric human occupation, especially in depositional environments where rocks of certain sizes (usually larger), would not be anticipated (White 1980). Fire-cracked rock (FCR) was analyzed on a piece-by-piece basis to determine minimum usable size, preferred material and configuration, and density parameters (see below for methods). Pieces of FCR that have been recycled and recracked until they are below some threshold must be unduly troublesome to heat and handle for food preparation. A previous study found that threshold to be about 5 cm or less (Gunn and Wilson 1993). Like point tips, we assume that FCR fragments that fall below the threshold were abandoned in place and therefore serve as a better marker of FCR-related activity than large pieces, which could have been removed from their location and recycled to more or other uses.

Ceramic Analysis Regime

Apart from their presence as domestic containers, it was assumed that ceramics contain other hints as to their function and disposition. Only sherds were found. Analysis of sherds requires assumptions that render the sherd a tractable analytical unit (Lilly and Gunn 1996). How, for example, can the attributes of a plug (a sherd) randomly selected from anywhere on a vessel be made to stand for the vessel as a whole? Are there other aspects of community life that a plug might represent, either as an individual specimen or in a statistical population? For example, it has been suggested that temper size was preselected in anticipation of the size of the pot (Braun 1982:184; Bronitsky and Hamer 1986:97, 98; Steponaitus 1983:43–45). A correlation between temper size and site coordinates could indicate that different-sized pots were used in different parts of the site. A correlation between temper size and level depth could indicate that site function was changed over time requiring adjustments in the size of vessels.

In addition to temper size, other attributes were collected following Davis (1987). Davis' model was followed in the hope that the ceramic data set from the Neuse Fall Line region could be analyzed in conjunction with Davis' efforts to identify ethnic boundaries and sociological features of pottery distributions in the Piedmont.

Perhaps the most curious aspect of ceramics in the Piedmont is their great continuity of design despite inherent drawbacks. Yadkin ceramics are generally tempered with quartz sand or crushed quartz, which expands during firing and would seem to threaten the integrity of a vessel during firing. Yadkin ceramics appear in the first millennium B.C. and essentially continue until European contact. The Porter Site (Idol 1997; Rogers 1993; Woodall 1998) is a Late Woodland single-component site at the confluence of the Yadkin and Roaring rivers. It is at the boundary between the Mississippian Lamar people of the mountains and the Late Woodland of the lower Yadkin River. The site dates to around A.D. 1500. Mixing of the two cultures is apparent in ceramics. Steatite-tempered ceramics comprise the greater part

of the assemblage (70%) reflecting the presence of the Lamar-influenced elite in the village. Even so, sherds with crushed quartz, comprise the remaining 30%. They reflect the tastes of their downstream relatives where villages remain wholly dedicated to the old Yadkin ceramics. To quote Woodall (1998:5), they "remained doggedly committed to an old and conservative mode of ceramic manufacture, and burials and households show scant evidence of even incipient social ranking."

The question posed by this continuity is not so much why there is continuity of ceramic production lasting over 2000 years, but why this continuity would exist when many other groups in the Southeast had experimented with alternative tempers at least since the Middle Woodland. Virtually all of them were favorable to higher firing temperatures because of their lower thermal coefficients (grog, shell, and steatite). Some had experimented with moss and marl since the beginning of ceramics 4000 years earlier. Even in the shadow of Mississippian sedentism, and while farming more productive, imported tropical domesticates such as maize, the people of the Yadkin maintained at least part of their tradition of semisedentary seasonal movements to resources (Rogers 1993). This custom involved burying the produce of gardens and forest in pits, often in pots; large numbers of so-called pot busts have been found.

Building on this model, the manufacture of ceramics at low firing temperatures might have taken place at food collecting stations. Low firing would have been less time-consuming and labor-intensive, affording pots that could have been employed for limited use at reasonable labor cost. As such they could either have become part of the site furniture, perhaps for on-site storage, or firing in place would have saved one-way transportation of empty vessels. This site furniture hypothesis is appealing because it would account for the presence of sherds at sites that otherwise seem inappropriate for long-term occupation, especially those on the narrow Wakefield Creek floodplain, but is perhaps less satisfactory for Neuse Levee. Neuse Levee might be considered a reasonable location for a village under some circumstances, such as during fishing season. Before the construction of the US 401 bridge, the confluence of the Neuse River with its unnamed tributary might have had a rather extensive slackwater deposit; would it have been large enough to provide arable land and thus attract horticulturists? Breakage during firing in place could also be an important factor in sherd generation. All of the sherds observed in the Wakefield Creek sites were fired under virtually identical conditions, perhaps again arguing for nearby manufacture rather than importation from varied external manufacturing environments. The Neuse Levee ceramic assemblage was very different from the Wakefield sites in many respects. Even so, it reflects the persistence of the sand- and grit-tempered ceramics of the area.

The Question of External Influences and Internal Continuity

The cultural histories of both ceramics and lithics raise questions about the origins of their technologies at different times in the past. Various authors have seen both external influences on (Coe 1964) and internal continuity (Keel 1976) in North Carolina's indigenous, prehistoric populations. There are several possibilities: population continuity from the beginning, outside influences on indigenous populations without population replacement, or total population replacement. There is evidence of outside influences such as Mississippian moving northward from Georgia to visit Town Creek, Lamar spreading down from the Appalachian Summit to the upper Yadkin and Catawba watersheds, and Algonkian skeletal features appearing along the coast. Outside influences cannot be dismissed, but this is the normal state of cultures: every culture is the center of some kind of transition.

In an era when alternatives are the watchword of science, internal continuity and external influences probably both have to be assumed; only the proportions remain to be determined. However, despite interest in problem, the literature does not provide definitive information about the internal continuity of regional technology. Some cultural items appear to have originated in the state. For example, the earliest dates on the Late Archaic Savannah River points come from the North Carolina Blue Ridge front, at the Warren Wilson site near Asheville. Although the bow and arrow could have been known since at least 4,000 years ago, arguments have been forwarded that it found its earliest widespread application in the North Carolina Piedmont. These findings, either accepted or under debate, leave the question open.

What local technology did North Carolina Native Americans keep during the last 2,000 years? During this time the Native American landscape of North America was awash with changes in domestication of plants, ceramic technology, ritual behavior, and many other domains of human endeavor. Before examining this question directly, some contextual observations are in order.

Clearly North Carolina was a exceptionally rich environment in the early historic period; as discussed in the environment Chapter 2, the area has the highest biodiversity in North America. Birds, mammals, plants, and fish all provided unusually plentiful resources (Tippitt and Moss 1996). In the fall and spring pigeons passed through the area in great numbers. In the early spring, a time of hardship for most hunters and gatherers, anadromous fish swarmed up the rivers. Fish weirs reportedly dotted the river channels and produced prolific catches. They could well have been a key feature of the regional Native American economy. The areas around the state known for large early historic populations were the most elevated reaches of rivers that could support the passage of large numbers of anadromous fish. The Catawbas moved from their first known homeland in the Charlotte area across the state to the fishing reaches of the Dan River in southern Virginia (Wetmore 1975). After encountering unfriendly Iroquois from New York there, they returned to the Catawba River, and then moved over the middle of the state again to joint the Tuscarora on the northeast Coastal Plain.

In the center of this triangle of Catawba passage, Native American groups were observed in the early eighteenth century. Lawson found villages at Hillsborough and nearby on the Eno River, a tributary of the Neuse River (Lefler 1967). At least one of these villages, Occaneechi Town at Hillsborough, seem to have been related to a path crossing the state along present-day I-85 from Fort Henry (present-day Petersburg), Virginia, a British colonial trading center. There is some question as to whether this path existed before European trade goods (Briceland 1987; Myer 1971). In Myer's map of paths across the state, the Fall Line and Coastal Plain are otherwise remarkable for their lack of known traveled paths. According to Lawson, the area around the Fall Line and east was used as Tuscarora hunting grounds (Lefler 1967).

All of this suggests the possibility of substantial fluctuations in prehistoric populations, which would imply accompanying profound changes in ceramic and lithic technology. Perhaps one of the most important functions a review of the evidence of cultural change from the Neuse Fall Line region can bring is a better understand the apparent juxtaposition of continuity and change.

Dimensions of Neuse Fall Line Prehistoric Past

The quantities described above, taken as a multivariate whole, describe a number of potential dimensions of variability in time in the lifeways of people who visited the sites of the Neuse Fall Line watershed. The next chapter describes the content of the Neuse Levee site relative to these dimensions. Subsequent chapters undertake fine-grained investigations of the dimensions: soil residues (including botanical remains), lithics, ceramics, and FCR. When synthesized with the ecological implications of the Neuse watershed topography, they provide the fabric of an argument of considerable resolution on human activities between about 5500 B.C. and A.D. 1500.

RESEARCH DOMAINS AND QUESTIONS

As directed by the Secretary of Interior's (1983) Standards and Guidelines, archaeological excavations are guided by research designs that pertain to the regional history. The research design for the 31WA1137 data recovery investigations was developed by NCDOT staff, and was briefly reviewed at the beginning of the chapter.

Further background research of regional literature was conducted, including Claggett and Cable's (1982) study at Falls Lake, Hargrove's (1991) research at Little River Reservoir, and other recent studies (Cantley and Raymer 1990; Glover 1993; Gunn and Lilly 1997; Gunn et al. 1997; Hargrove 1986, 1987; Lilly and Gunn 1995; Maher 1992a, 1992b). These sources were examined in the previous chapter. Numerous other sources were also consulted, and are referenced in the following discussion. In addition, a number of individuals familiar with the archaeology and environment of the Piedmont and Inner Coastal Plain regions of North Carolina and surrounding regions were interviewed

Several research questions were suggested in the foregoing middle-level modeling efforts, literature reviews, and research design exercises. In the following discussion the questions derived from these issues are discussed and grouped according to research domains.

The Neuse Levee site seems to be a small occupation confined to the crest of a levee. It could represent short-term, task-specific occupations. It is generally thought that such sites were satellite occupations to larger, more permanent sites. In most areas of the Atlantic Slope, larger semipermanent sites were probably located on the floodplains in the Woodland periods and on ridgetops overlooking the valleys during the Archaic periods. Understanding the distribution and use patterns of such satellite sites and their relationships to larger permanent or semipermanent occupations, such as seasonal camps or base camps, is necessary for the complete evaluation of prehistoric settlement systems. The substantial survey work in the area seems not to have revealed such large sites as are fairly common in the Piedmont, such as the Frederick site (Dickens et al. 1987) or the Wilson site (H. Millis 1998) a few miles to the east in the Coastal Plain. It has been observed in Virginia that the narrow floodplains common to the Fall Line region do not provide sufficient areas of arable land, which might explain the lack of semipermanent sites (Potter 1993).

The Neuse Levee site has been demonstrated by dating and diagnostics to contain features, artifacts, and subsistence remains relating to at least four periods:

- Late Archaic
- Early Woodland
- Middle Woodland
- Late Woodland

Consequently, the site was thought to have the potential to provide data relevant to a wide array of research issues, ranging from narrowly focused questions concerning the material culture and technology of specific components, to synthetic questions about changing settlement and subsistence patterns. In order to structure this almost infinite variety of research topics, six major research domains were defined:

- Chronology
- Environmental Reconstruction and Resource Availability
- Material Culture
- Subsistence
- Component Seasonality, Function, and Settlement Plan
- Social Organization and Inter-Regional Relationships

Below, numerous research questions are presented in sets according to these six general research domains. Each set of questions begins with a statement formulating the boundaries and significance of the domain. This is followed first by the general or synthetic questions relating to that topic, and then by more specific questions. Although these questions are numerous, they are not exhaustive. As was suspected before the project began, the data did not allow all of these research questions to be addressed with equal focus, but each was addressed as far as possible. As is summarized in the conclusions chapter, the research at Neuse Levee substantially augmented our understanding of the nature of the site, its relationship to the immediate surroundings in the upper Neuse River region, and relationship to sites elsewhere in Wake County and adjacent regions.

Chronology

Establishing a fine-grained chronology for the human occupation of 31WA1137 was essential to understanding the cultural history of the site and was a prerequisite to addressing subsequent research domains and questions. "Fine-grained" here means sub-period (i.e., of lesser duration than Late Archaic, Early Woodland) time resolution. Developing a chronology begins by determining the time span of the occupations represented at each site, which was accomplished through a combination of absolute and relative dating of feature contents, occupation floors, and temporally diagnostic artifacts. These techniques provided a fine-grained analysis of environmental and cultural changes during each occupation, through which the following questions could be addressed.

What is the chronology of the human occupation of 31WA1137? To what degree can radiocarbon and OCR dates, coupled with artifact analyses, provide more refined intervals for the various prehistoric occupations? Using these techniques, can features and artifacts be placed in fine-grained chronological sequence within components? What time spans are represented by stratigraphic gaps, either sterile levels or truncated strata, in the sites?

Is there evidence for occupations prior to the Late Archaic period? Are there lapses of occupation between the Late Archaic and Early Woodland period occupations, as have been suggested at other sites in the region?

What processes appear to be responsible for abandonment and reoccupation of the site? What is the timing of abandonment? Are archaeological signatures of this abandonment and resettlement identifiable elsewhere in the region?

What are the chronological relationships among the Woodland period ceramic types at 31WA1137 and the sites on Richland and Wakefield Creeks? Do these materials represent a single occupation at the site, or are two or more Woodland occupations represented?

Do the so-called crude Guilford projectile points represent a distinct but undefined point type or another type of tool? How does this tool or type relate to existing typologies for the Mid-Atlantic and Southeastern regions? How does this compare chronologically with other point types generally assigned to the Early Woodland period in the Piedmont region (e.g., Yadkin and Gypsy point types)?

Environmental Reconstruction and Resource Availability

A reconstruction of the site's environment throughout the various periods of occupation provided essential information concerning inhabitants' relationships to the landscape. This reconstruction considered of the regional paleoenvironmental data, as well as human impacts on the immediate site environment (see below for relevant methods). The following research questions have been developed concerning the environmental history of 31WA1137.

What are the depositional history and fluvial chronology at the site? How does the fluvial sequence relate to the broader chronology of Wakefield and Richland creeks? How do these alluvial chronologies relate to other floodplain sequences in the Southeast, especially with reference to the contrasting sets of rivers originating in the mountains and the Piedmont (see Gunn and Foss 1992)?

What do flood recurrence data suggest about prehistoric occupation of the area? Are flood recurrence intervals frequent or infrequent? Can associations be made between highest and lowest annual stream discharge rates and seasonality of occupation? Was the site most likely to be occupied during late summer and early fall, when it was less likely to be inundated by flooding because of increased evapotranspiration and decreased precipitation? How does tropical storm frequency in summer and fall affect flood frequency? Can these tendencies be projected into the past using tree rings, fluvial chronology, and other paleoenvironmental indicators?

What are the sedimentation rates at 31WA1137 and how do they relate to extant paleoecological data? Are there periods of fluctuation or are the rates constant through the different temporal periods? Do these data suggest stream aggradation, or do they indicate periods of stream incising and channel entrenchment, particularly during the Late Archaic (see Stevens 1991:196), which would have resulted in a lower water table and exposure of new floodplain and terrace surfaces?

What forest and grassland types were present in the immediate vicinity of 31WA1137 prior to and during the various occupations? Is there evidence for change in vegetation communities in relation to documented changes in global climate (e.g., Gunn 1994c:16–18) over these periods? What effects did climatic conditions at the three sites have on resource availability? Is there evidence of intentional landscape modification at these sites?

Do phytoliths or sediment data provide evidence for deforestation during periods of intense occupation? Is it possible to document progressive changes in the local environment during and between individual episodes of site occupation, and, if so, how do those changes appear to be related to episodes of site abandonment and reoccupation?

What natural resources (clay, stone, etc.) are present in the immediate vicinity of the site?

Material Culture

A number of general and specific research questions relate to the material culture (ceramics, stone tools, etc.) associated with each of the site components. Due to the interrelationships between material culture and other aspects of human adaptations, many of these questions also relate to questions of chronology, subsistence, and site organization. Others are more focused on the biological environment, but are important in gathering a broad picture of prehistoric Native American lifeways at the site.

What ceramic vessel forms are present in the Woodland period components? What information do vessel forms and direct evidence of use (sooting, pitting, erosion, etc.) provide concerning subsistence and cooking practices (Hally 1986; Rice 1987)? How do changing vessel forms over time appear to relate to changing settlement or subsistence practices? How do these vessels compare with contemporary vessel assemblages documented elsewhere in the Piedmont and Coastal Plain and adjacent regions (e.g., Blanton et al. 1986:96–99; Coe 1964; Herbert and Mathis 1996; Sassaman et al. 1993:127–151)?

Is vessel form diversity reduced in comparison with other assemblages? Do the ceramic types present relate to a single series/tradition, successive series, or contemporaneous series? Is there evidence for a trend toward decreased vessel wall thickness from Early through Late Woodland period, as suggested by studies elsewhere (e.g., Sassaman et al. 1993:141), or is there an increase in wall thickness as documented in the North Carolina Piedmont (Woodall 1996)? If present, how does this trend relate to changes in

subsistence practices? Do vessel forms change in relative frequency from bowls to jars, as previously suggested for the Piedmont (Woodall 1996)?

How do the frequencies of various ceramic decorative motifs compare with those documented elsewhere (Cantley and Raymer 1990; Claggett et al. 1978; Davis 1987; Gunn et al. 1998; Hargrove 1991)?

What lithic tool forms are present in the assemblages? What patterns of raw material procurement and reduction are evident for each of the components, and how are these similar to, or different from, other documented lithic assemblages in the region?

Is there variety in the activities represented at the site? Does the site represent long-term occupations or short-term, recurrent occupations? Are early through late stages of tool manufacture represented in the artifact assemblage?

Is a pattern of lithic raw material preference indicated by functional or stylistic categories of artifacts? Do raw material preferences vary by component or activity event? What raw materials are represented in the lithic assemblage and what information do they provide about participation in trade and exchange networks, seasonal movements, raw material preference, etc.? Does the preference of raw material relate to duration and intensity of occupation? Was the granite/rhyolite from the site from the river or from other areas? What relationship does this have with bipolar versus bifacial reduction techniques?

What is the function of the FCR at 31WA1137? Is it related to intensive processing of food resources, specifically fish?

Subsistence

Investigation of subsistence practices in the transitional zone between the Coastal Plain and Piedmont is one of the goals of the data recovery investigations. This goal includes an attempt to recognize specific foods and determine their importance, as well as to examine the overall pattern of changing foodways and their effects on the prehistoric populations and the local environment. Previous excavations during Phase II found no intact features within the strata. Cultural features can contribute both quantitative and qualitative data on subsistence practices and exploitation of other seasonally available resources.

What is the nature of subsistence-related activities at 31WA1137? What evidence is there for changing subsistence practices? How do those practices relate to changes in material culture?

Is there evidence of gathering and/or domestication of plant foods? Is there indication of intentional landscape modification, such as that involved with pioneering grain and edible seed plants like goosefoot and knotweed or domesticated plants?

Were starchy seed plants cultivated? How do the subsistence practices evident at the site compare with those from the surrounding region (Cantley and Raymer 1990; Gremillion 1987; Holm 1987; Ward and Davis 1993)?

What role did hunting play in subsistence? Can a focused adaptation be discerned from the subsistence remains, the preferred adaptive strategy observed elsewhere during the Late Archaic and Woodland periods (Mouer 1990, 1991; Stevens 1991; Yarnell and Black 1985), or is a diffuse adaptation implied?

Phelps (1983) notes that small streamside sites in the Early Woodland and Wakefield Creek site 31WA1390 seem to have been abandoned or refocused in function during the Early Woodland. Does this trend reflect a general realignment or abandonment of hunting locations, perhaps associated with the riparian-to-valley wall edge, during this period? The topographic locations of Phelp's sites needs to be investigated. Can the Neuse Levee Phase III excavations shed further light on this line of research?

What is the role of fish, specifically anadromous fish, in the diet of the inhabitants? Is there evidence of exploitation of anadromous species, such as shad, herring, alewife, and striped bass? Can fishing be related to climatic variation through the physical hydrology of the Falls of the Neuse? Does 31WA1137 provide an optimal location for harvesting anadromous fish? How does 31WA1137 compare with the settings of sites associated with anadromous fish exploitation (heads of tributary streams, shallow river channels, and at the Fall Line), as noted elsewhere in the Mid-Atlantic region (Mouer 1990)? How do these sites compare with Early Woodland assemblages above the Fall Line, which may have focused exclusively on forest resources?

Component Seasonality, Function, and Settlement Pattern

A fifth group of research questions combines data on chronology, material culture, and subsistence to examine the nature of the components represented at 31WA1137 and at other sites in the Neuse Fall Line region. In this regard, it is essential to note that sites represent overlapping components of varying type and duration. Therefore, each site represents a composite of site types. Each component with its different human and environmental circumstances can be expected to represent a different set of activities. The delineation of components needs to be established before functional interpretations of a site can be made, because an accurate assessment of factors influencing archaeological formation processes is important in evaluating the archaeological record of a site (Schiffer 1987). Determination of settlement function is usually based on artifact variety. Disturbance of stratigraphy can lead to vertical or horizontal mixing of artifacts; consequently, reuse of the site for different functions, in combination with overlapping of potentially unrelated artifacts and activities, can lead to incorrect interpretations of site function (Binford 1982). Evidence of the changing component-to-component use of 31WA1137 through time could provide considerable insight into changing patterns of human adaptation in North Carolina. Insight will be substantially extended when 31WA1137 component functions are cross-correlated with other site components in the Neuse Fall Line region.

Are different types of features associated with different areas, artifact types, etc.? Is there functional variation of feature types and artifacts at any of these sites? What are the form and function of Archaic and Woodland features?

Are the Archaic and Woodland deposits at 31WA1137 horizontally distinct? Is this horizontal stratigraphy correlated with a concomitant build-up of the landform?

Does spatial patterning within the site provide information regarding the site's structure and function? What distribution characteristics are present for activity and possibly habitation areas and features? Is the site organized spatially into discrete patterns of features and artifacts ?

What inferences can be made concerning technomic functions and spatial distribution of artifacts and artifact classes to identify activities? What information can the inferred range of activities provide about the possible functions of the site?

What activities were carried out during the occupation episodes? What was the seasonality and duration of these episodes? How do these sites fit into regional settlement patterns at different times in their history?

If terminal Paleoindian or Archaic period occupations can be distinguished at 31WA1137, are they short- or long-term occupations? Do the artifacts and features from those occupations provide insight into the ranges of activities? Do the occupations appear to represent groups organized into patterns of logistical or residential mobility (Binford 1980)?

Are the Late Archaic/Early Woodland occupations base camps or short-term, task-specific occupations indicative of extractive camps? Are there temporary or permanent structures associated with these occupations? Is there variability among structure types?

Social Organization and Inter-Regional Relationships

The final research domain and research questions relate to broader concerns of social organization and inter-regional interaction. In most cases, these questions use information from more specific research questions outlined above.

How does 31WA1137 relate to 31WA1398 on Richland Creek, 31WA1376, 31WA1380, and 31WA1390 on Wakefield Creek, and the sites in Davis' (1987) Piedmont data set? How does it relate to other sites in similar settings in the Neuse and Little River valleys? Do the sites clarify our understanding of local and regional settlement patterns in the region?

What information do material culture patterns (e.g., the relative frequency of ceramic motifs, diachronic changes in lithic raw material use) and evidence of settlement structure provide concerning patterns of group affiliation, mobility, and exchange?

How are lithic acquisition and usage tied to patterns of social interaction and environmental adaptation?

How do patterns of material culture use, subsistence, feature form, and settlement organization compare to other occupations in the area?

5. RESEARCH METHODS

This chapter presents the design of field and laboratory methods developed to address Phase III data recovery excavations at Neuse Levee. Geological methods are discussed in Chapter 2.

BACKGROUND RESEARCH METHODS

Background research included accumulation of comparative data on the paleoenvironment and archaeology of the Piedmont and Coastal Plain transition zone. This was accomplished through literature review as well as consultations with other researchers in the region.

This background research utilized information available in regional, state, and national repositories, such as the Office of State Archaeology (OSA) library, the University of North Carolina library, and TRC's reference library. Published sources consulted for background information included works by Baker and Hargrove (1981), Cable (1991, 1992, 1996), Claggett and Cable (1982), Claggett et al. (1978), Coe (1964), Davis (1987), Gunn, Idol et al (1997), Gunn and Lilly (1997), Gunn et al. (1998), Hargrove (1985, 1986, 1987, 1991), Hawkins (1980), Lilly et al. (1995), Parker (1990), Phelps (1983), Rogers (1989, 1993), Ward (1983), and Winslow (1990).

FIELD METHODS

The field methods used at 31WA1137 were specifically designed to gather data relevant to the six research domains noted in the last chapter. Hand excavation of the site was undertaken to gather data on artifact and feature distributions and was a major focus of the data recovery investigations. Details concerning the selection and extent of those excavated areas are provided below.

Site Preparation

Fieldwork commenced with re-establishment of the site grid and location of the site data that were used during Glover's (1993) excavations. Additional nails were then placed on a 10-m grid across the site.

Following completion of this initial survey work, a map was made showing the location of the site grid in relation to nearby cultural and natural features such as roads, culverts, Neuse River bank, and trees. The levee trends northwest to southeast; to accommodate the orientation of the levee northwest was designated grid north. Glover's test unit was relocated with reference to a large tree. A topographic map was then made of the ground surface prior to excavation. This base map was used to record all cultural and natural features in three-dimensional space. This map was updated daily and showed the dimensions of all excavation units and major cultural and natural features at a uniform scale. More detailed maps of individual feature and excavation units were keyed to this map and the site grid.

Backhoe Trench

A backhoe trench was excavated through the site perpendicular to the axis of the levee (magnetic northeast-southwest). In terms of grid orientation, this is east-west. The excavation and description of the backhoe trench are in Chapter 2, geology. The backhoe trench revealed the stratigraphy of the site, both before and during human occupation. A report on this work is presented in Chapter 2.

Excavation of Units

Hand-excavated 1-x-1-m units were placed across the site to gather additional data on artifact distributions and to investigate the intact deposits. Excavation units were assigned test unit numbers sequentially from the beginning of the excavation (i.e., TU 1, TU 2, etc.); they were also addressed by grid coordinates (E110 N95). Strata were designated by Arabic numbers, and arbitrary excavation levels within strata or substrata with decimal numbers added to the stratum; for example the second arbitrary level within stratum 2 was designated stratum 2.2. Thus, the full address of a level is E110 N95 S2.2. In general, the unit excavations began with individual units, which were expanded into two larger block excavations as opportunity provided, depending on the density of cultural material and the presence of features. Eventually it became clear that the site should be excavated in two blocks on either site of the backhoe trench.

Block A

A block excavation of 31 1-x-1-m units was placed across the northern portion of the site, grid north of the backhoe trench. Two outlying units were also excavated. Block A is characterized by approximately 1.1 m of culture bearing sediments on the crest of the levee, and contained concentrations of large primary flakes and FCR features.

Block B

A block excavation of 22 1-x-1-m units was placed across the southern portion of the site south of the backhoe trench and three outlying 1-x-1-m units. The block circumscribed Glover's Phase II excavation unit, and is characterized by approximately 1.1 m of culture-bearing sediments on the crest of the levee to the east and 2.0 m of culture-bearing sediment to the west on the riverward side of the levee. Block B contained concentrations of large primary flakes.

Unit Excavation Methods

All of the units were excavated in arbitrary levels within natural strata. Initial exploratory units were excavated in 10-cm levels within natural strata until evidence of living surfaces was discerned. When living surfaces were found in the block excavations, subsequent units were excavated in 5-cm levels within natural strata. A 5-cm increment was selected because of the observation that when roots follow occupation floors, they appear to average about 3 cm in diameter. Such a root penetration would bump artifacts lying on a theoretical occupation floor up or down about 2 cm. Thus, a 5-cm cut vertically adjusted to center on an occupation floor should capture most of the debris originally left on the floor after root penetration, a standard form of bioturbation (Gunn and Brown 1982). Of course, other forms of bioturbation exist, such as vertical borrowing, but they are less amenable to modeling. Provided a coherent occupation floor, preferably from one camping event, was present, addition of relatively small amounts of extraneous material from other camp events from other levels by bioturbation should not obscure artifact relationship based on correlated attributes of artifacts (Gunn and Mahula 1977). Excavations were terminated after a culturally sterile level (one 10-cm level or two 5-cm levels) below the lowest culture bearing level.

All sediment removed from the units was screened through ¼-inch wire mesh for uniform artifact recovery. Stratigraphic profiles of two adjoining walls of all excavated units were recorded, including their predominant Munsell color, and photographed in black and white print and color slide formats. Sediment samples for phytolith, geochemical, and sediment grain size analyses and OCR dating were taken from a 1-cm slit every 5 cm in a standard column from at least two units at each site.

A unit level form was completed for every level of each stratum excavated in each unit, and a unit summary form was completed following the termination of each unit. These forms included a plan map

showing all features and other soil anomalies, explanation of any changes in the basic excavation strategy, soil descriptions (including Munsell color identifications), a list of photographs taken, and a list of all artifact bags, flotation samples, and other samples removed from the unit. The top of each level within each stratum was scraped and examined for the presence of features or other buried soil horizons, including those of cultural and natural origin. If no features were present, the excavation of the next level proceeded. Any features encountered were excavated using procedures described below. Profile drawings were made as necessary to facilitate interpretation.

All artifact and flotation samples were placed into bags labeled with the site name, site number, provenience, date and method of collection, initials of collector, and bag inventory number. All bags were numbered sequentially and recorded on field inventories that were checked in the field lab.

Feature Recordation and Excavation

Standardized, accepted methods were used to record and excavate features to ensure that a variety of data was recovered from each one. All possible cultural features were flagged when first exposed and given a unique number on a site-by-site basis for subsequent tracking purposes. When features were identified, they were carefully defined by trawling, mapped in plan view, and plotted on the site map. A detailed plan map was drawn and color slide and black-and-white photographs were taken. All features were cross-sectioned, and one half was excavated and mapped in profile. The remainder of the fill was then removed, and the completely excavated feature was photographed and drawn. If a feature was determined to be noncultural in origin (e.g., a rodent burrow or tree root), excavation was terminated.

A maximum 10-liter flotation sample from each feature or subfeature, or discrete level within a feature, was extracted and subjected to flotation analysis in an attempt to recover minute floral and faunal materials. Minimally, one flotation sample was collected for each excavated cultural feature. If less than 10 liters of feature fill was recovered from a cultural feature or natural stratum, the entire feature or stratum was collected and subjected to flotation analysis.

Information generated from feature excavation was recorded on standardized forms. Standard soil descriptions were completed for each fill zone, including Munsell color identifications. Notes were taken concerning feature form, dimensions, contents, stratigraphic relationships, and likely function. The plan and profile maps for each feature were appended to the form. Radiocarbon samples were taken as appropriate from each feature.

Sediment samples (250 g) for geochemical analysis (phosphorus and pH) were taken from each feature matrix as well as from outside of the feature for comparative purposes. Research has demonstrated the utility of geochemical analysis in feature interpretation (Millis et al. 1995). In some instances, hearths do not contain seeds or other food remains, especially if used repeatedly over time. General cleaning activities by site inhabitants can move macroremains from primary to secondary contexts (e.g., from around the hearth to outside the feature). Moreover, elevated or reduced levels of phosphate and pH can help distinguish whether a hearth was utilized for food processing or simple heating fires.

Standard sediment samples (250 g) were taken from feature fill contexts and buried organic horizons for phytoliths, sediment grain size, and/or OCR analysis. Minimally, two samples were taken within each organic zone and one sample was taken from directly above and below the buried A horizons. Selected samples from features were also retained for amino acid analyses.

Photography

Various types of photography were used to document the ongoing process of excavating the sites. In addition to the normal black-and-white prints and color slides required by the state, color prints and Polaroid photos were taken for public relations purposes and for immediate analysis purposes.

LABORATORY METHODS

General Processing

All cultural materials recovered during the field investigations were handled, transported, processed, and prepared for curation in TRC's laboratory in Chapel Hill according to appropriate standards developed for federally recognized and approved curation repositories. The specific procedures that were used to complete the laboratory processing and artifact analysis follow.

The laboratory processing included the preparation of a detailed inventory of all recovered data to ensure that all materials were present and organized, and to facilitate subsequent analyses. Artifacts were cleaned using techniques appropriate to the nature and condition of the materials. Any artifacts that required specialized handling, treatment, and conservation (such as perishable materials, most generally charcoal) were separated from other artifacts and set aside for conservation.

Following their stabilization, all artifacts were cataloged. The laboratory analyses emphasized description of the overall artifact assemblage, with the artifact catalogs organized so that the data base can be manipulated by future researchers. The goal of the analysis was not only to provide the artifact data needed to address the current research design, but also to provide an archaeological archive useful to future researchers.

Ceramic Artifacts

The analysis of ceramic attributes from the site at Neuse Levee, and from the Wakefield Creek sites, was designed to detect variation within morphological, technological, and stylistic parameters and to suggest sources of synchronous and diachronic variation within the assemblages. The following is a discussion of the attributes examined. An elaboration of their importance is in the discussion portion of this report. The list of codes and the Neuse Fall Line Ceramic Data Base are in Appendix 3. The data base was designed to be broadly compatible with Davis's (1987) analysis of Piedmont ceramic sites.

Vessel Portion

This attribute refers to the vessel portion or portions represented by a sherd. In the absence of whole vessels, this attribute helps index morphological variation within and between ceramic assemblages. Four categories were present in the three assemblages analyzed: unspecified body, rim/lip, rim/lip/shoulder, and base. Unfortunately, only four base sherds occurred in the Neuse Levee assemblage. This fact, combined with small sizes of rim sherds in most cases, hampered attempts to reliably describe vessel morphology. It may also indicate a transient nature to the ceramic assemblage. An unusually high proportion of rims was found, probably the most likely part of a vessel to be broken in a temporary location and left behind.

Sherd Size

Sherd size categories can be used to make inferences concerning modes of vessel discard as well as contemporaneity of two or more sherd types found in possibly mixed contexts (Davis 1987:189; Schiffer

1976:30–34). Sizes were measured using a template of concentric circles of the following ranges of measurement: <2 cm, 2–4 cm, 4–6 cm, 6–8 cm, 8–10 cm, and >10 cm.

Sherd Thickness

Ceramic wall thickness has important technological implications for vessel performance and use. The maximum width of each sherd was recorded and a mean thickness was computed. Sherds were assigned to a general size range: <4 mm, 4–6 mm, 6–8 mm, 8–10 mm, or >10 mm. Lip thicknesses for rimsherds were recorded. Mean thickness for each sherd was translated into a mean for the site assemblage as a whole.

Exterior Surface Treatment

This category refers to the type of treatment applied to the exterior surface of a ceramic vessel prior to firing. In addition to decorative purposes, the application of a surface treatment serves to further weld the coils together, provides a "non-slip" surface, and improves the absorption of heat by increasing the surface area (Rice 1987:232). It also prevents wet clay from adhering to the paddle. The following categories and subcategories of surface treatments occurred in the Neuse Fall Line region assemblages.

Fabric-Impressed. This category is produced by the application of a fabric swatch–wrapped paddle to the damp clay surface of a vessel so that the negative impressions of the fabric remain in the clay. The category was subdivided into five subcategories based on examination of sherds from the three Wakefield Creek sites, to account for variation in the fabric-impressed category. Although fabric impressions of similar scale were observed in the Neuse Levee assemblage, the Neuse Levee fabric impressions were not as distinct.

- The *Fabric I* subcategory is a fabric of interlaced, heavy- to medium-sized weft with a visible warp element (Figure 5.1, Table 5.1). The warp elements are 1.5–4.0 mm in diameter and are roughly parallel. Weft elements are 1.0–1.5 mm in diameter. Weft count is 3–4 per cm (Figure 5.1).

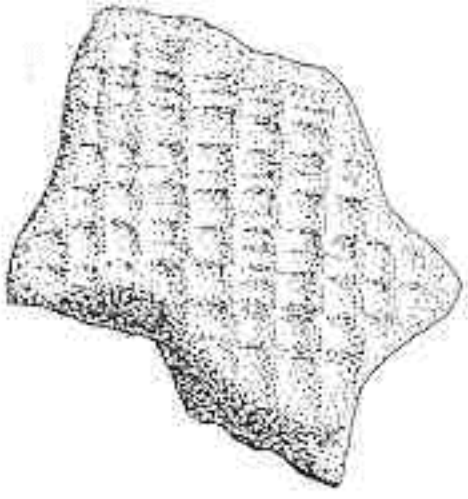
- The *Fabric II* subcategory consists of a fabric of interlaced medium- to heavy sized, closely spaced wefts with no visible warp element. Wefts are spaced 3–4 per cm.

- The *Fabric III* subcategory is identical to the Fabric I (visible warp) except for its smaller (0.5–1.0 mm), more closely spaced (6–8 per cm) weft sizes.

- The *Fabric IV* is identical to the Fabric II (no visible warp) except that the weft diameter is larger (1.0–1.5 mm).

- The fifth subcategory, fabric-smoothed, refers to those sherds that have been roughly hand- or tool-smoothed after the application of a fabric-wrapped paddle. Weft impressions in this subcategory have not been completely eradicated by smoothing. In some instances fabric impressed sherds exhibit patches of plainly smoothed surfaces missed by paddling.

Fabric impressions with visible warps always appear oriented perpendicular to the rim.



FABRIC I

FABRIC II

FABRIC III

FABRIC IV

RELATIVE TO THE PAGE
WARP IS ON THE VERTICAL
AND WEFT IS ON THE HORIZONTAL

DRAWINGS TO SCALE

Figure 5.1. Fabric Impressions from Neuse Fall Line Ceramics.

Table 5.1. Fabric-, Cord-, and Net-Impressed Surface Treatments.

Subcategory	**Warp Size/mm, Count/cm**	**Warp Spacing mm**	**Weft Size/mm, Count/cm**	**Figure**
Fabric I	1.5–4.0		1.0–1.5 3–4	5.1
Fabric II	Not Visible	N/A.	1.0–1.5 3–4	5.1
Fabric III	1.5–4.0		.5–1.0 6–8	5.1
Fabric IV	Not Visible	N/A.	1.0–1.5 3–4	5.1
Fabric Smoothed	Perpendicular to the rim		Partly Visible	
Cord I	.5–1.5 tightly woven	5–7	Not Visible	5.2
Cord II	1.5–2.5	2–3		5.2
Net Impressed	.1	5–6	1.0 2	5.3

Cord-Marked. This category is produced by the application of a cord-wrapped paddle to the wet clay surface of an unfired vessel. Variation occurs in widths of lines, type of cordage twist used, and depth of impression. Cord-marked sherds were divided into those that exhibited weft (Figure 5.2), and those that were more tightly woven with no visible weft element (see Figure 5.2). No cord marking was observed in the Neuse Levee assemblage. However, the style has been found in the Neuse Fall Line region.

- In cord-marked sherds with no visible weft (*Cord I*, Figure 5.2, see Table 5.1), the warp element was between 0.5 and 1.5 mm in diameter. Warp elements were generally spaced 5–7 per cm.

- Cord-marked sherds without visible weft elements (*Cord II*) have warps ranging between 1.5 and 2.5 mm in diameter, and were typically spaced 2–3 mm apart.

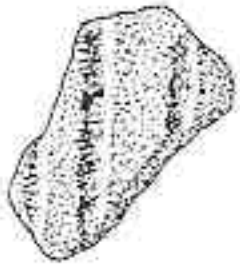
- A third subcategory, cord-smoothing, refers to those sherds with visible cord impressions that have been partially eradicated by smoothing.

It is impossible to determine from small sherds whether such a treatment was typical for an entire vessel. Cord marking is always perpendicular to the rim.

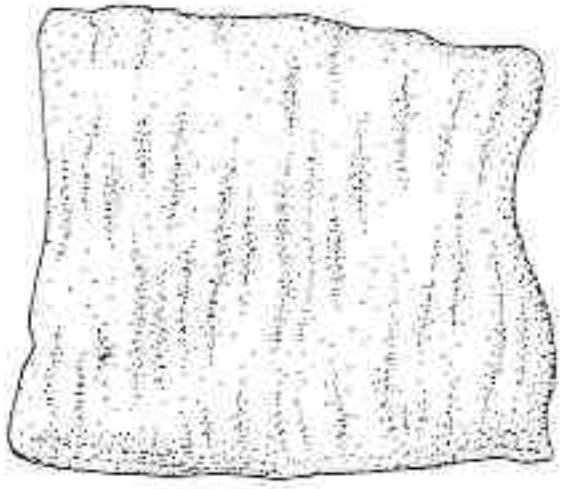
Net-Impressed. Sherds from one vessel at Neuse Levee exhibited net impressions. The net was knotted about 5 cm (Figure 5.3). One occurrence of what appears to be a net-impressed pot bust was found at Neuse Levee. Apart from net-impressed sherds found by Hargrove (1998) at 31WA1398, this was the only incidence of net-impressed surface decoration from in the sites under consideration in this study.

Unidentifiable (Roughly Smoothed). This attribute occurred on the upper neck portions of rimsherds, although other indeterminate vessel portions could have been characterized by this surface finish type.

Unidentifiable. This category refers to sherds that lack distinguishing surface finish characteristics due to flawed firing or post-depositional processes.



CORD MARKED I



CORD MARKED II

RELATIVE TO THE PAGE
WARP IS ON THE VERTICAL

DRAWINGS TO SCALE

Figure 5.2. Cord Marks on Neuse Fall Line Ceramics.

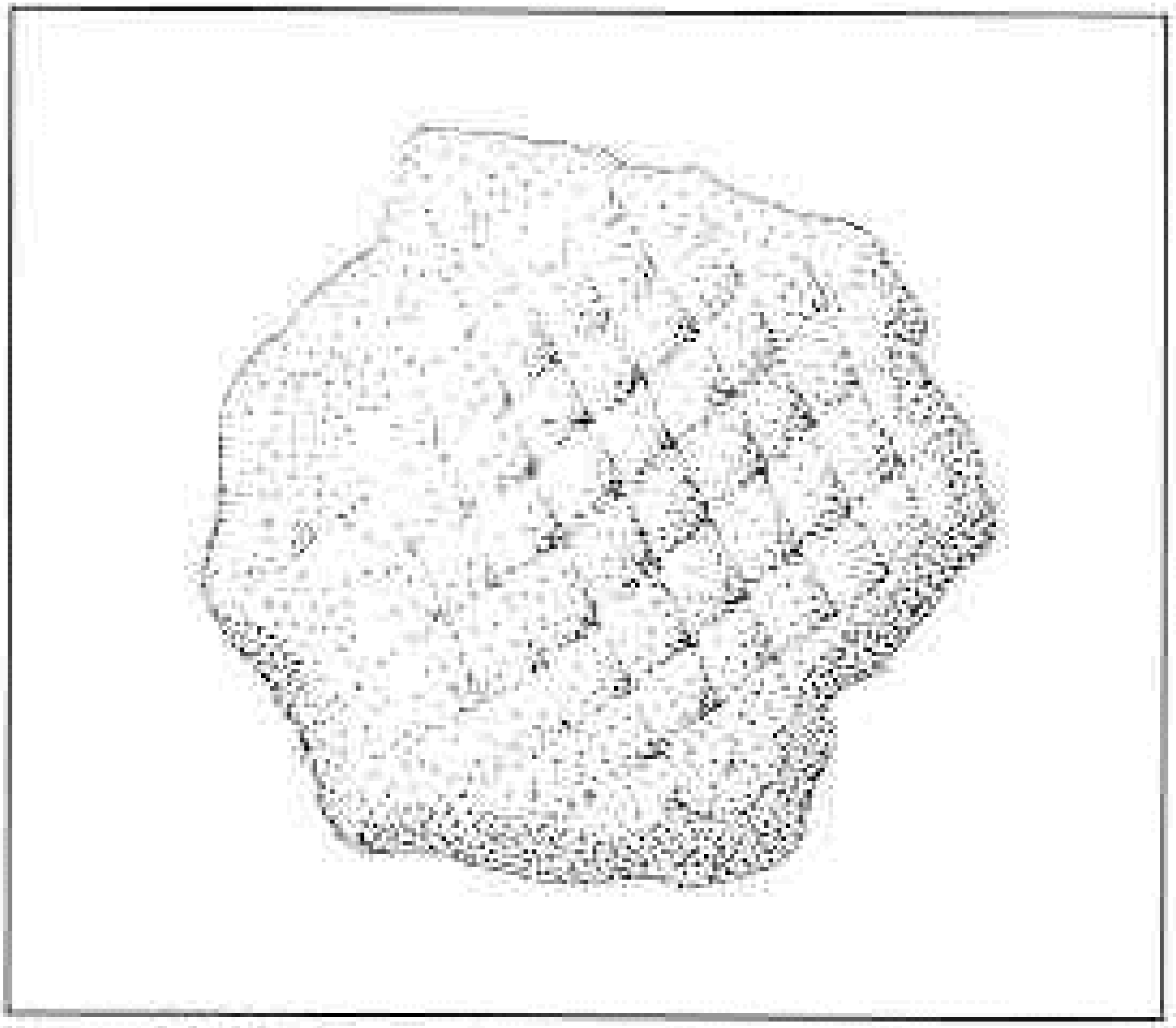


Figure 5.3. Net Impressions on Neuse Fall Line Ceramics

Interior Surface Treatment

This attribute refers to the type of finish applied to the interior surface of a vessel prior to firing. Serving to weld further the clay coils of the vessel walls, interior surface treatments have important technological implications for the functioning of a ceramic vessel. Changes in the frequency of certain interior surface treatments could reflect changes in subsistence systems. Interior surface treatments identified from ceramics include the following.

Scraped. The vessel interior exhibits pronounced striations as a consequence of scraping by a serrated tool to thin the vessel wall. It is possible that most or all interior surfaces of vessels were scraped prior to subsequent smoothing.

Scraped-Smoothed. This category refers to interiors that have been scraped and subsequently smoothed, leaving visible striations on portions of the interior surface.

Plain (Roughly Smoothed). The interior was smoothed to eradicate any evidence of tooling, but the rough surface has not been eradicated. Sherd interiors possess protruding temper particles and finer particles within the clay itself have not been brought to the surface (floated) by careful smoothing.

Plain (Uniformly Smoothed). The interior surface has been carefully smoothed, eradicating compactions and floating finer clay particles to the surface. A highly smoothed interior retards the loss of liquids and so prevents the contents from cooking dry (Marshall 1988:105).

Unsmoothed. No visible signs of smoothing are apparent above that needed to weld the vessel coils together.

Indeterminate. The interior surface is unrecognizable due to spalling during the firing process or during use.

Temper

Temper is any nonplastic material added to the clay matrix. Variation in temper type, size, and amount has functional significance relative to vessel performance, and has proven to be a valuable chronological and typological aid to archaeologists. Temper in the Neuse basin sites ceramics consists entirely of crushed quartz or quartz sand. In some specimens it is difficult to separate intentional additives from naturally occurring particles. Variation occurs in size and shape of temper and relative amounts added to the paste. Temper size categories were adapted from the Wentworth scale: pebble (>4 mm), granule (2–4 mm), very coarse/coarse (0.5–2.0 mm), fine/medium (0.25–0.5 mm), and very fine (<0.25 mm). Quartz temper <0.5 mm is referred to as sand. Temper shape was recorded as angular, subangular, or rounded based on a standardized template (prepared by Gamma Zeta Chapter, Sigma Gamma Epsilon, Kent State University). Temper amount was somewhat subjectively divided into heavy, medium, and light based on relative amounts of visible inclusions within the paste.

The addition of temper serves primarily to reduce shrinkage in unfired vessels, which could lead to severe cracks in the vessel's wall. This flaw is more problematic in larger vessels than smaller ones (Palmour, cited in Marshall 1988:103). Crack initiation prior to vessel firing is reduced by the addition of temper particles, which adhere to clay particles (Braun 1983:123). In fired vessels temper plays a role in the mechanical properties of the vessel during its use life, especially in regard to thermal shock resistance for vessels intended to be used over direct heat for cooking, and in regard to mechanical strength. Vessels intended for use directly over fire must endure the stresses associated with the cycles of heating and cooling.

Cracks that lead to vessel failure are caused by uneven rates of expansion and contraction within the vessel walls. Ideally, a temper will possess a thermal expansion coefficient similar to that of the clay

matrix. Smaller temper particles will also tend to increase a vessel's resistance to crack initiation. However, by increasing the size of temper particles, a potter reduces the tendency of initiated cracks to propagate further (Bronitsky and Hamer 1986:97, 98), and larger temper size offers better resistance to repeated thermal shock or mechanical stress (Braun 1982:184; Steponaitus 1983:43–45).

In general, increased amounts of temper and vessel strength are negatively correlated (Shepard 1956:131–132), so untempered vessels offer better resistance to impact. Yet the addition of temper allows larger vessels to be constructed. Because of its high thermal expansion coefficient, quartz is a poor choice of tempering material relative to other tempers available during prehistory, such as crushed mussel shell. Increased thermal shock resistance is equally desirable during vessel firing (Rye 1981), so vessels with smaller temper particles are not necessarily cooking vessels. Much variability is the result of a reconciliation between the relative advantages and disadvantages of any particular choice in attribute combinations.

Thinner vessel walls reduce the possibility of uneven expansion and contraction during heating/cooling. Because of the inferior expansion properties of quartz, it would be important for the manufacturer a cooking vessel to use smaller particles (Braun 1982:185).

Exterior Sherd Color

This category measures the color of sherd exteriors by Munsell values. Sherd color could be the consequence of natural impurities in the clay or the time, temperature, or atmosphere of the firing (Rice 1987:333). Chemical analysis of sherd composition would make definitive determinations of the source of color. However, it should be noted that any sherd will be black if it is fired in a reducing atmosphere. Only the non-black sherds are therefore indicative of sherd chemistry apart from firing atmosphere. Colors also included dark red (2.5YR 4/6), strong brown (7.5YR 5/6), and very pale brown (10YR 8/4).

Interior Sherd Color

Sherd interior colors included the four exterior color categories as well as light grayish brown (10YR 6/2), dark yellowish brown (10YR 4/4), and very dark grayish brown (10YR 3/2).

Rim Form

This attribute refers to the shape of a vessel as viewed in profile and terminated by the lip. Three attribute states were coded: straight, everted, and inverted.

Lip Form and Thickness

This attribute could be both functional (relating to properties of vessel use) (Hally 1986:280–281) and stylistic. Recorded lip forms include flat straight, flat thickened, rounded straight, rounded thickened, folded, and pointed (following Davis 1987) (Figure 5.4). All lips described as flat were never carefully and evenly flattened, but rather were roughly smudged with fingers or a finishing tool. One specimen from Neuse Levee was folded and impressed with a dowel. Lip thickness was recorded in millimeters for each sherd.

Other Attributes

Sherds also were examined for the presence/absence of coil breaks and exterior and interior sooting. Soot deposits, consisting of distilled resins and solid carbon, form on portions of a vessel's exterior when exposed above the cooking fire (Hally 1983:7–10). Exceptions to this are when a vessel surface has been eroded, when soot is intentionally burned away by the vessel user, when small vessels are used over large, hot fires, or when vessels are placed within embers (because flaming combustion is required for

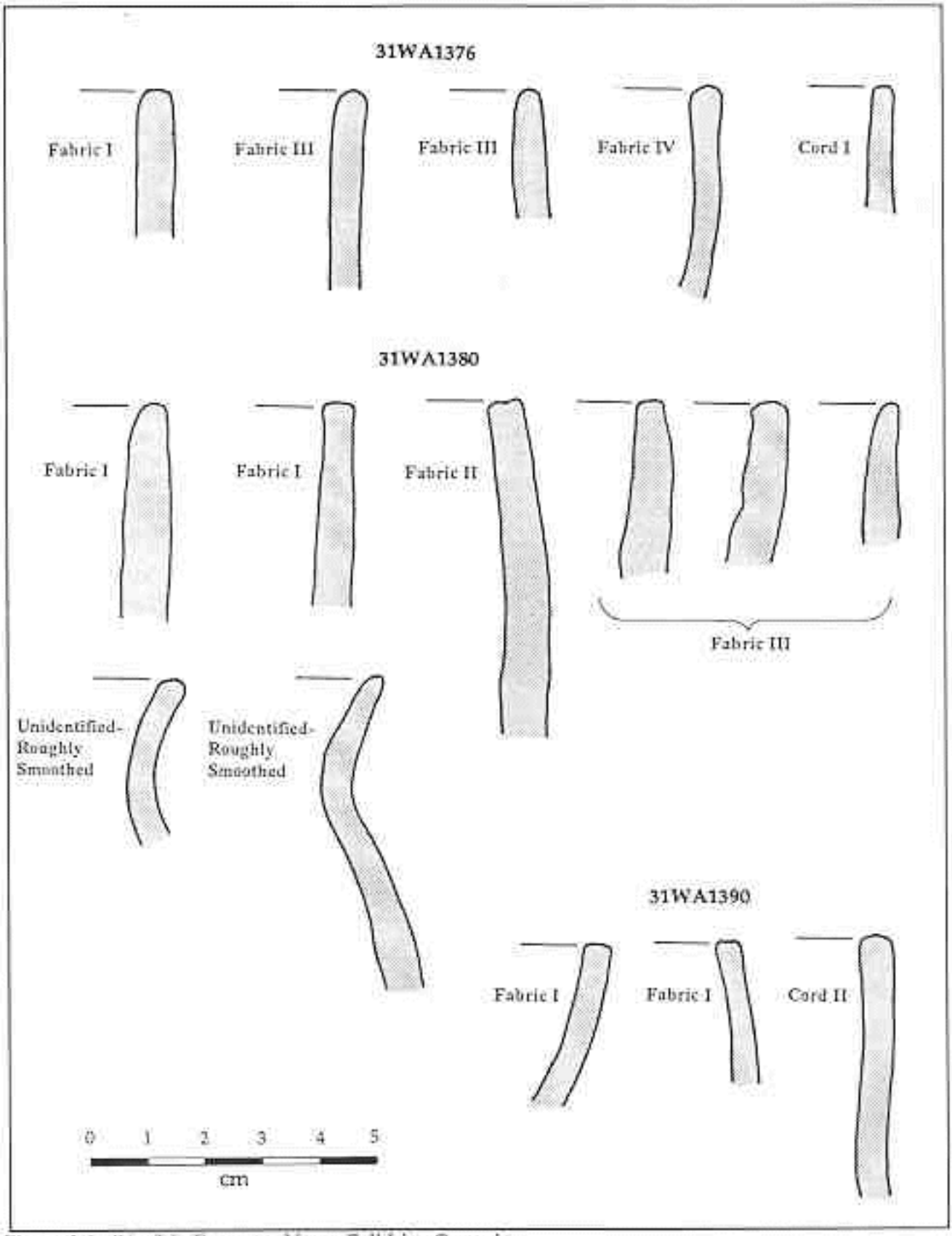


Figure 5.4. Rim/Lip Forms on Neuse Fall Line Ceramics.

soot formation) (Hally 1983:10). It is also important to remember that soot formation does not occur evenly over a vessel surface, so small sherds of a large sooted vessel could exhibit no soot deposits. No sooted sherds were recovered from the Wakefield sites, but they appeared frequently at Neuse Levee. A large number of sherds at all sites exhibited coil breaks.

The final step in the analysis consisted of assigning type names to as many of the ceramic sherds as possible. The classification was aided by a number of detailed studies of ceramics in the region, including those by Coe (1964), Crawford (1966), Eastman (1991), McCormick (1970), Oliver (1985), and Phelps (1984). A number of survey and site reports from surrounding areas also provided valuable data, including those by Claggett et al. (1978), Hargrove (1987, 1991), Phelps (1983), and Ward (1983). Detailed information on recognized ceramic types and their temporal significance is provided later in Chapter 11.

Lithic Artifacts

Chipped Stone

The chipped stone assemblage was sorted into formal tool, expedient tool (retouched and/or utilized flakes), and debitage (manufacturing waste) categories. Chipped stone tools were sorted into primarily functional categories, including hafted bifaces, other bifaces, retouched flake tools, and other categories as needed. Information on raw material type (e.g., rhyolite quartz, quartzite, etc.) was recorded for all chipped stone tools (see Appendix 1).

Projectile points and other items potentially provide significant chronological data, due to the demonstrated association of particular artifact styles with certain temporal periods. Typologies used in the Southeast and Middle Atlantic were employed for the analysis of these artifact classes to estimate temporal placement and function, and to identify relationships with other artifact traditions, wherever possible. The artifact typologies used included Coe (1964), Justice (1987), Oliver (1985), and other regional schemes as appropriate.

Beyond typology and chronology, we attempted to understand breakage of points in terms of the most likely circumstance under which points would be discarded and the life history of points (Figure 5.5).

- *Tips or terminal fragments.* Terminal fragments represent the action or application phase of point life history. Tips would be broken during use when a bone was struck during butchering or the point used for prying. Tips would presumably have been discarded on location and so, like FCR that has fallen below the threshold of utility, mark the spot of their last use.

- *Medial fragments.* Medial fragments imply extended action. Medial fragments must represent use after the tip was broken. They represent extended use of a point, probably in circumstances in which refurbishing the tool was delayed by the need to proceed with the task. They should be found in use areas and mark the location of their last use.

- *Basal fragments.* Basal fragments represent the refurbishing stage of point life, in which an implement is refurbished by removing the broken point and replacing it with a new one. They would probably be found in a lithic reduction area of a site, and imply the presence of appropriate materials such as resin, sinew, haft, and manufacturing materials or the presence of a pre-manufactured point imported from another location.

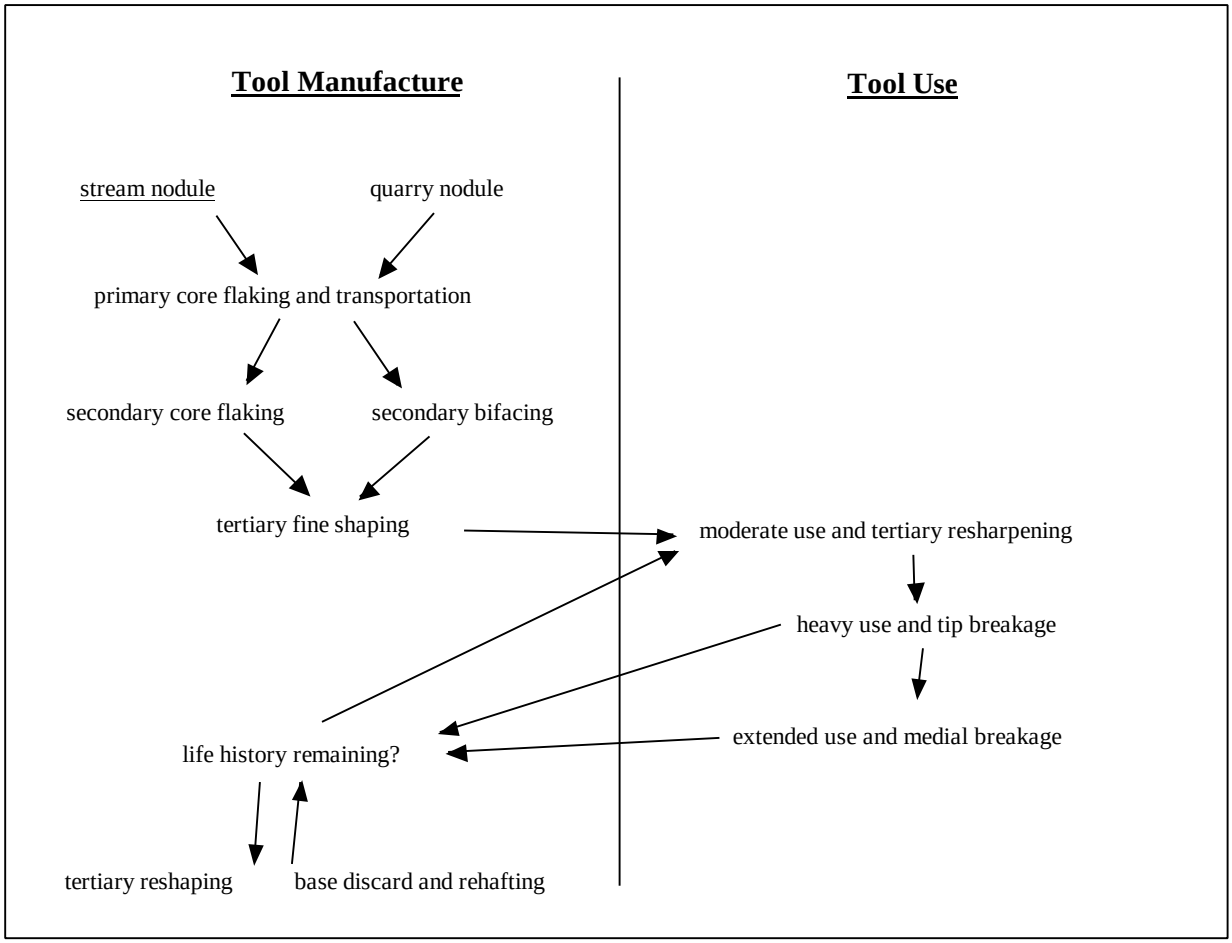


Figure 5.5. Flake-Point Reduction Sequence and Activity Implications.

- *Whole points*. Whole points represent the loss and/or storage phase of point life. While whole points are the most useful for chronology and display, finding them in sites raises the question of why they would have been abandoned. Since they possess their utility life, the implication is that they were lost, or perhaps they remained with the site as site furniture. Some points are known to have been stored across generations, as in the well-established Early Woodland practice of recycling Archaic points.

The debitage analysis followed categories used during Wakefield projects (Gunn, Idol et al. 1997; Gunn and Lilly 1997; data base is in Appendix 1). Debitage was divided into categories that reflect technology and reduction stage. Technology categories were core flaking and biface flaking. The reduction stages were core, primary, secondary, and tertiary flakes. Reduction stages were further distinguished as flake platform, medial and terminal fragments, and shatter/chunk fragments. Information on raw material type was recorded.

Since all chipping technology involves core flaking the raw material, a pure bifacing technology is unlikely except in special circumstances such as hunting stations, where only bifaces are present as preforms, bifaces, or points. Bifacing flakes were categorized based on platform profile [i.e., the platform has a "V" shape rather than "L" shape (Gunn and Brown 1982)] platform grinding, and other characteristics that tend to signal bifacing technology. If there was any doubt as to whether a flake was a bifacing flake, it was not categorized as such. Thus the biface flake category is conservative, while the

core flake category is liberal. This approach allows for an estimate of the proportion of the assemblage that is securely bifacing. The core flake category contains all other flakes and flake fragments.

The data resulting from these analyses (Appendix 1) were used to address various questions concerning the chipped stone assemblage, including the chronological associations of various tool forms and patterns of raw material preference, production and use. The Neuse Levee flake data base was constructed by the same analyst who made observations on the Wakefield Creek sites, and thus the data bases should be consistent across projects.

Groundstone

Groundstone artifacts include tools such as hammerstones and celts, and ornamental objects such as pendants and gorgets. These artifacts were analyzed individually and categorized according to their morphology, the nature and extent of modification, and their apparent function.

Other Rock

Site 31WA1137 produced a small quantity of FCR and apparently unmodified rock. All rock recovered from feature contexts were returned to the laboratory and classified as either FCR or apparently unmodified rock. Samples of these materials were analyzed according to raw material type, but virtually all of it was granite/rhyolite.

FCR

FCR was grouped by size into six categories (Table 5.2). The sixth size group (<5 mm) was weighed rather than counted. FCR in this size range was suggested to be below the threshold of utility (Gunn and Wilson 1993), which means that the cracking process has proceeded through a number of recyclings of a rock until it no longer serves efficiently as a boiling stone. We suggest that rocks below the threshold of utility would have been left in place rather than moved around as larger stones of continuing utility were. They are therefore a better indicator of boiling activity location at a given point in time than larger FCR.

The types and frequencies of all artifact categories were recorded on spreadsheets and are listed in the Appendix 1 artifact catalog.

Table 5.2. FCR Size Group Descriptions.

Group	Minimum	Maximum	Units
VI	0	5	weight g
I	5	7	mm
II	7	9	mm
III	9	11	mm
IV	11	13	mm
V	13+	–	mm

Special Analyses

The previous investigations suggested that Neuse Levee would provide a variety of specialized data relating to each of the research domains. The specialized analyses conducted to recover this information included archaeobotanical, faunal, phytolith (Appendix 6, geochemical and sediment grain size; see Chapter 2), and OCR and radiocarbon dating (see Chapter 11). A multidisciplinary team was assembled to pursue the various special analyses. Each of these specialized analyses is discussed and described in some detail below.

Flotation Processing

Flotation samples were processed at the TRC laboratory in Atlanta, using a Flote-Tech system built by Dausman Technical Services. This unit consists of a self-contained 100-gallon, aluminum flotation tank powered by an electric pump, and uses both water and air to remove soil and separate artifacts into light and heavy fractions. The light fractions were air-dried and analyzed by Andrea Shea. All carbonized wood, bark, and nutshell at least 2 mm in size were counted and weighed. Cultigens, nuts, seeds, and other food remains were identified to the most specific taxon possible, and randomly selected charcoal fragments were identified by species to reconstruct the exploitation of botanical resources by the inhabitants of each site.

The heavy fractions from the flotation samples were separated into two fractions, one larger than 1/4 inch and one smaller than 1/4 inch. The larger fraction was analyzed following standard procedures. The smaller fraction was scanned for small diagnostic artifacts and faunal elements, and then discarded.

Faunal Analysis

No faunal remains were recovered.

Radiocarbon Dating

Radiocarbon samples were drawn from carbonized remains recovered from stratigraphic contexts during excavation; no carbon was found in the FCR features. The samples were first sent to Andrea Shea for species identification and then to Beta Analytic for dating. Every attempt was made to derive a range of dates that bracket the various episodes of habitation and utilization of the site. All dates were processed by Beta Analytic, Inc., of Coral Gables, Florida.

Oxidizable Carbon Ratio (OCR) Dating

A systematic column of soil and selected sediment samples from each site was analyzed using the OCR dating technique developed by Frink (1992, 1994) and others. The analysis was carried out by the Archaeological Consulting Team of Essex Junction, Vermont.

Phytolith Analysis

Recent studies (Rovner 1998; Webb 1995) have demonstrated the utility of phytolith analysis in providing paleo-environmental data in the southeastern Piedmont, and phytolith analysis was employed in the present project. Phytolith samples were processed and analyzed by Dr. Irwin Rovner of Binary Analytical Consultants, Inc., of Raleigh, North Carolina.

Ceramic Analysis

The ceramic analysis was conducted by Joel Gunn of TRC in consultation with Bruce Idol, who performed the Wakefield ceramic analysis. Steve Davis and Joe Herbert were also consulted.

Lithic Analysis

The lithic analysis observations were made by Steve Hatch and the analyses were performed by Joel Gunn. Bill Stanyard analyzed the stone tools.

Synthesis of Special Analyses

The synthesis of special analyses was performed by Joel Gunn.

SUPPORTING ACTIVITIES

Visits from OSA and Regional Specialists

Representatives from the OSA and regional specialists were invited to visit the site. Steve Claggett, State Archaeologist, and Dolores Hall of the OSA visited the sites two times. Tom Padgett, Gary Glover and Ken Robinson of NCDOT visited the site, as did Daniel Cassedy.

Permanent Curation

All artifacts, written records, photographs, and other project materials were curated temporarily at the TRC Garrow facilities in Atlanta and Chapel Hill. The permanent curation repository of all project materials and collections will be determined in consultation with NCDOT.

Management Summary

A detailed Management Summary documenting the successful completion of the fieldwork phase of the project was submitted to the NCDOT within one week of the end of fieldwork. Upon review and acceptance of this document, NCDOT was cleared to proceeded with construction in the area of the site.

Public Education Program

Public relations during the project included an interview by Ron Kemp of NCSU Creative Services for an NCSU/UNCW public television hour-long special on the history of the Neuse River basin that aired in May of 1999.

6. EXCAVATION RESULTS (William F. Stanyard)

Archaeological investigations at Neuse Levee began with its discovery in 1992 during a cultural resources survey conducted by the NCDOT (Maher 1992a, b). In 1993, NCDOT archaeologists returned to the site, and initiated a limited testing program to determine the nature and extent of the archaeological deposits (Glover 1993). Research at Neuse Levee culminated in the summer of 1998, when TRC conducted data recovery investigations under contract with the NCDOT. The results of the field investigations are the subject of this chapter. It includes summary data and artifacts recovered. More detailed data on specific artifact types are provided in subsequent chapters, which present the result of the various analytical studies.

According to the archaeological and radiocarbon evidence, Neuse Levee was initially occupied during the Late Archaic period at approximately 2200 B.C. The site was subsequently visited at least once during each of the Early, Middle, and Late Woodland periods.

PHYSICAL SETTING

The Neuse Levee site is situated on a paleo-levee along the northeast bank of the Neuse River (Figure 6.1; see Figure 2.1). Currently, the overstory vegetation consists of mature hardwoods; secondary vegetation includes poison ivy, nettles, and greenbrier (Figure 6.2).

A detailed description of the site's geomorphology and sediment regime is provided in Chapter 2. The levee consists of four lithologic units produced by alluvial and pedogenic processes that have been operating throughout the Holocene (see Figure 2.2). The units are numbered from the bottom up, and are distinguished from the archaeological strata, which are numbered from the top down. Lithologic Unit 1 (LU 1) consists of overbank sediments that began to accumulate on top of basal alluvial gravels at about 10,160 radiocarbon years ago; sediments continued to accumulate until at least 7,270 radiocarbon years B.P. (see Figure 2.2). A hiatus or reduction in sedimentation rates occurred between that date and 3,800 radiocarbon years ago, when the site was apparently occupied for the first time. Since LU 1 weathered into a very thick, well-developed Bt horizon prior to the initial prehistoric occupation, it is very likely that sedimentation rates slowed or ceased closer to the 7,270 date. The geomorphological evidence suggests that the surface of LU 1 may have been scoured immediately prior to the deposition of Lithologic Unit 2 (LU 2).

Lithologic Unit 2 (LU 2) is a Bw horizon that was deposited when sedimentation rates once again outpaced erosional processes. According to the radiometric evidence, LU 2 was created between approximately 3,800 and 1,960 radiocarbon years ago. The terminal date, which was obtained from wood charcoal taken from the downslope edge of LU 2 at its interface with LU 3 (see Figure 2.2), is generally supported by the archaeological evidence. The majority of Woodland diagnostics (post-2500 B.P.) were encountered in Lithologic Units 3 and 4.

Lithologic Unit 3 is slackwater alluvium deposited between ca. 1,960 and 170 radiocarbon years ago, and LU 4 is comprised of historical sediments that have accrued over the last two centuries (see Figure 2.2). Although very thick alluvial deposits occur between the edge of the levee crest and the Neuse River, these sediments are relatively shallow on the levee crest itself, and they have been weathered into an A/Ab horizon that is a maximum of 30 cm thick in that area. The confinement of the Woodland materials within a single soil horizon (A/Ab) attests to the decrease in sedimentation on the crest of the levee that, according to the geomorphological evidence, occurred sometime after 1,960 radiocarbon years ago.

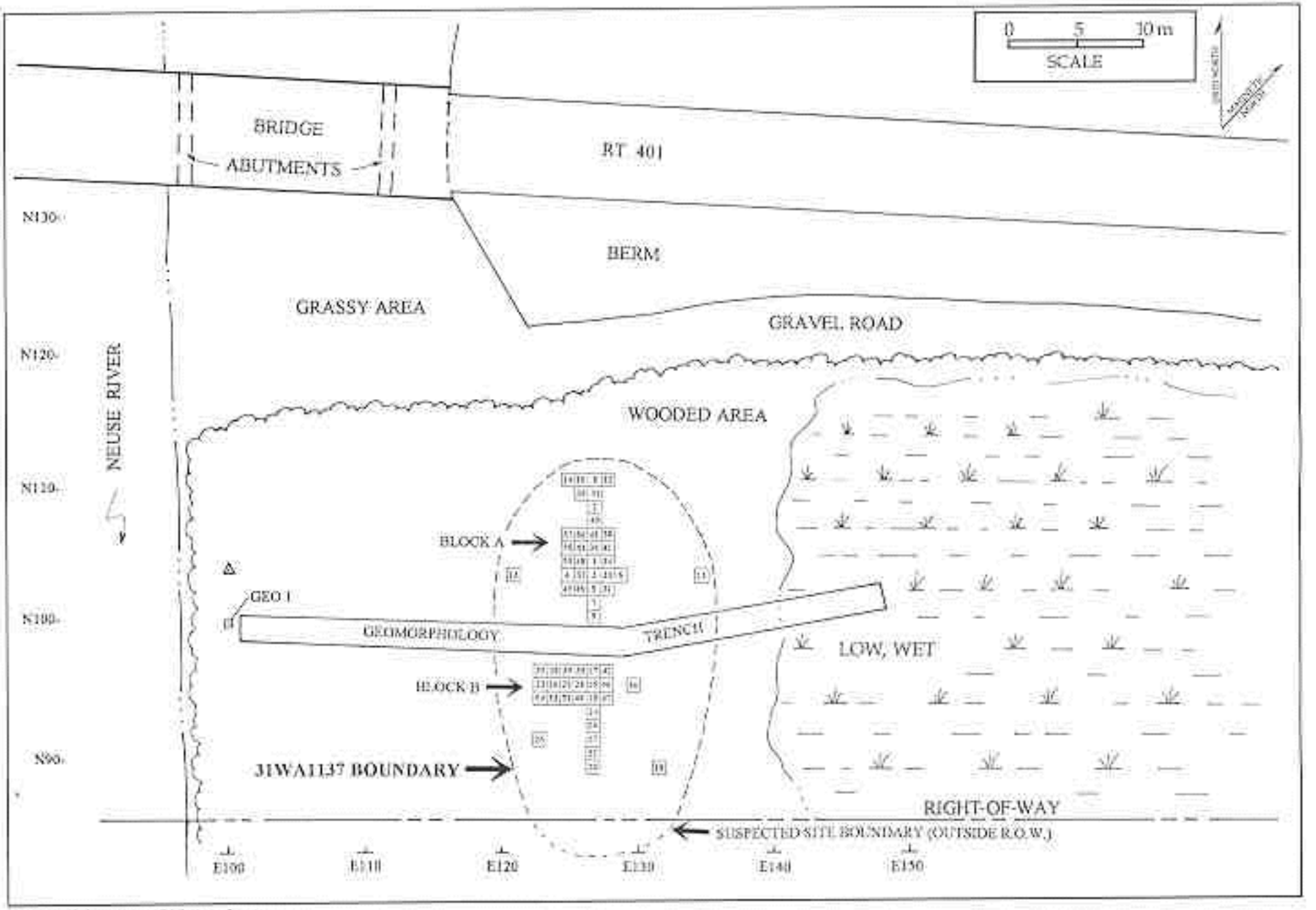


Figure 6.1. Map of Neuse Levee.

Figure 6.2. View of Neuse Levee, Facing East.

The prehistoric occupation zone is limited to the crest of the levee within an area that is approximately 30 x 20 m (see Figure 6.1). Its western terminus occurs at the western edge of the Bt horizon, which was the river bank at the time of the Late Archaic occupation (see Figures 2.2 and 2.10). The northern edge of the site occurs just south of a dirt road that paralleled Route 401 at the time of Phase III investigations. A low, wet area that is frequently flooded defines the eastern border. The southern perimeter has not been precisely defined because it extends outside of the project right-of-way. It is suspected that the occupation area ends just outside the project corridor, however, as artifact densities drop off dramatically near the right-of-way boundary, which coincides with the southeastern terminus of the levee (Maher 1992a).

PREVIOUS INVESTIGATIONS AT NEUSE LEVEE

Phase I

Neuse Levee was discovered in 1992 during a Phase I archaeological survey conducted by the NCDOT (Maher 1992a). That survey was initiated in response to the planned widening of US 401 between US 1 and SR 2224 northwest of Raleigh in Wake County, North Carolina.

Seven shovel tests containing prehistoric cultural material were excavated at Neuse Levee during the Phase I study (Maher 1992a). Six were placed along the levee crest, which is oriented northwest-southeast. The seventh positive test was located west of Shovel Test 2, which was the most prolific in terms of prehistoric artifact yield. Additional shovel tests conducted to the north, east, and west of the levee did not contain prehistoric cultural material. The southern extent of the site was not precisely determined because it extends out of the project right-of-way. As mentioned above, however, artifact

frequencies dramatically declined in shovel tests near the right-of-way border. That area coincides with the southern terminus of the levee, and it is suspected that the occupation zone does not extend very far beyond that point (see Figure 6.1).

The Phase I artifact inventory is summarized in Table 6.1. The FCR and two pieces of debitage are quartzite; the rest of the lithics are rhyolite. One of the hafted biface fragments is identified as a possible Savannah River point (Maher 1992a:25); the other specimen is too fragmentary to be classified. One diagnostic sherd is present in the ceramic assemblage. It exhibits a fabric-impressed design that is categorized as Badin Fabric Marked (Maher 1992a:25). Savannah River hafted bifaces are associated with Late Archaic technology, while Badin ceramics are found in Early Woodland contexts.

Prehistoric artifacts were encountered to a maximum depth of 90 cm below the surface. In addition, an area of high artifact density was discovered in the vicinity of Shovel Test 2, which yielded 65% (n=76) of the artifacts encountered during the Phase I survey. Since diagnostic artifacts were present at Neuse Levee, and it was likely that one or more of the components was buried and intact, Maher (1992a:25–26) recommended the site potentially eligible for the NRHP. Phase II testing was suggested if the Neuse Levee site could not be avoided during road expansion and bridge replacement.

Phase II

Limited Phase II investigations were conducted at Neuse Levee by the NCDOT in 1993 (Glover 1993). The goal of that study was to evaluate the nature and extent of the archaeological deposits, and assess that information in terms of NRHP criteria.

Table 6.1. Lithic and Ceramic Artifacts Recovered during Phase I Investigations at Neuse Levee (derived from Maher 1992a).

Lithics	n	Ceramics	n
Hafted Biface Fragments	2	Plain	2
Utilized Flakes	4	Fabric-Impressed	1
Debitage	92	Unidentified	13
FCR	1		
Total	99		16

Two test units were excavated during Phase II. Test Unit 1 (TU 1) was a 1-x-1-m pit placed on the modern levee 3 m east of the Neuse River bank. Although it was excavated to a maximum depth of 1.80 m, no cultural material was encountered. The results of subsequent geomorphological investigations conducted during the current study indicate that this area contains very thick deposits of recent alluvial sediments (see Chapter 2).

Test Unit 2 (TU 2) was a 1-x-3-m excavation trench located near the crest of the levee; the artifact inventory is summarized in Table 6.2. One biface is quartz; the rest of the lithic tools are rhyolite. The majority of debitage is rhyolite (58%; n=94), 38% (n=61) is quartzite, and the remaining six specimens (4%) are quartz.

Diagnostic lithics recovered from TU 2 include one Caraway point and one Yadkin hafted biface; both specimens are manufactured from rhyolite. The former type is attributable to a Late Woodland occupation, while the latter is associated with Early and Middle Woodland technology. The two rhyolite bifaces were initially identified as possible Guilfords (Glover 1993:14, 16). Data recovery results, however, indicate they likely belong to the bihafted scraper assemblage that is associated with the Late Archaic component (see below).

Table 6.2. Lithic and Ceramic Artifacts Recovered from Phase II Test Unit Excavations.

Lithics	n	Ceramics	n
Hafted Bifaces	2	Eroded	4
Bifaces	3		
Debitage	161		
Quartz Crystal	1		
Manuport	5		
Total	172		4

Artifacts were discovered to a maximum depth of 1.00 m below the surface; the densest deposits were encountered between 0.75 and 1.00 m. Based on this evidence, and the apparent lack of a plowzone, Glover (1993:12) concluded that intact archaeological deposits existed at the Neuse Levee site. The presence of diagnostic artifacts attributable to the Late Woodland, Early/Middle Woodland, Late Archaic, and possibly Middle Archaic periods suggested that the site was likely to yield important information concerning these eras of prehistory. Therefore, Neuse Levee was recommended eligible for the NRHP under Criterion D.

Data recovery was recommended if the site could not be avoided by construction within the proposed right-of-way. Glover (1993:12) suggested that, if Neuse Levee could not be avoided, Phase III investigations include the excavation of 4-x-4-m blocks on the levee summit after the upper 40–50 cm of topsoil was removed by mechanical means. It was also recommended that geomorphological studies be used to augment the archaeological results by providing data on paleoenvironmental conditions and natural site formation processes.

Construction plans for widening S.R. 401 at the Neuse River crossing included activities that could negatively impact the archaeological deposits at the Neuse Levee site. Therefore, data recovery investigations were implemented in 1998 as part of a Memorandum of Agreement (MOA) to mitigate the adverse effect that construction would have on this important cultural resource.

OVERVIEW OF DATA RECOVERY INVESTIGATIONS

Fifty-nine 1-x-1-m test units were excavated during data recovery, exposing a large portion of the levee crest (see Figure 6.1). A series (n=54) of contiguous test units—collectively designated Block A, Block B, and Archaeological Trench 4—was placed along the spine of the levee in the main occupation zone (Figure 6.3). Five isolated test units were also excavated; they were intended to provide comparative data from the levee's periphery.

The first three test units were hand-excavated in 10-cm arbitrary levels within strata, beginning at the surface. The results indicated that prehistoric cultural material was not present in the upper 10 cm of soil, which is recent alluvium. Therefore, the first excavation level of all additional test units was removed without screening. All test units were excavated into the Bt horizon (LU 1), which developed prior to the first human occupation.

The artifact inventory includes 11,679 lithic and ceramic artifacts (Table 6.3). Fourteen pieces of wood charcoal and five carbonized nut fragments were also recovered during test unit excavations. Flotation samples processed in the laboratory yielded organic material as well. That assemblage is discussed in the section devoted to cultural features and their contents.

Twenty-one (62%) of the 34 hafted bifaces identified in the lithic assemblage can be attributed to a particular culture period or phase (Table 6.4; Figure 6.4). The Late Archaic and Late Woodland periods are well represented in the diagnostic hafted biface inventory, while only a few specimens are attributable to the Early and Middle Woodland periods.

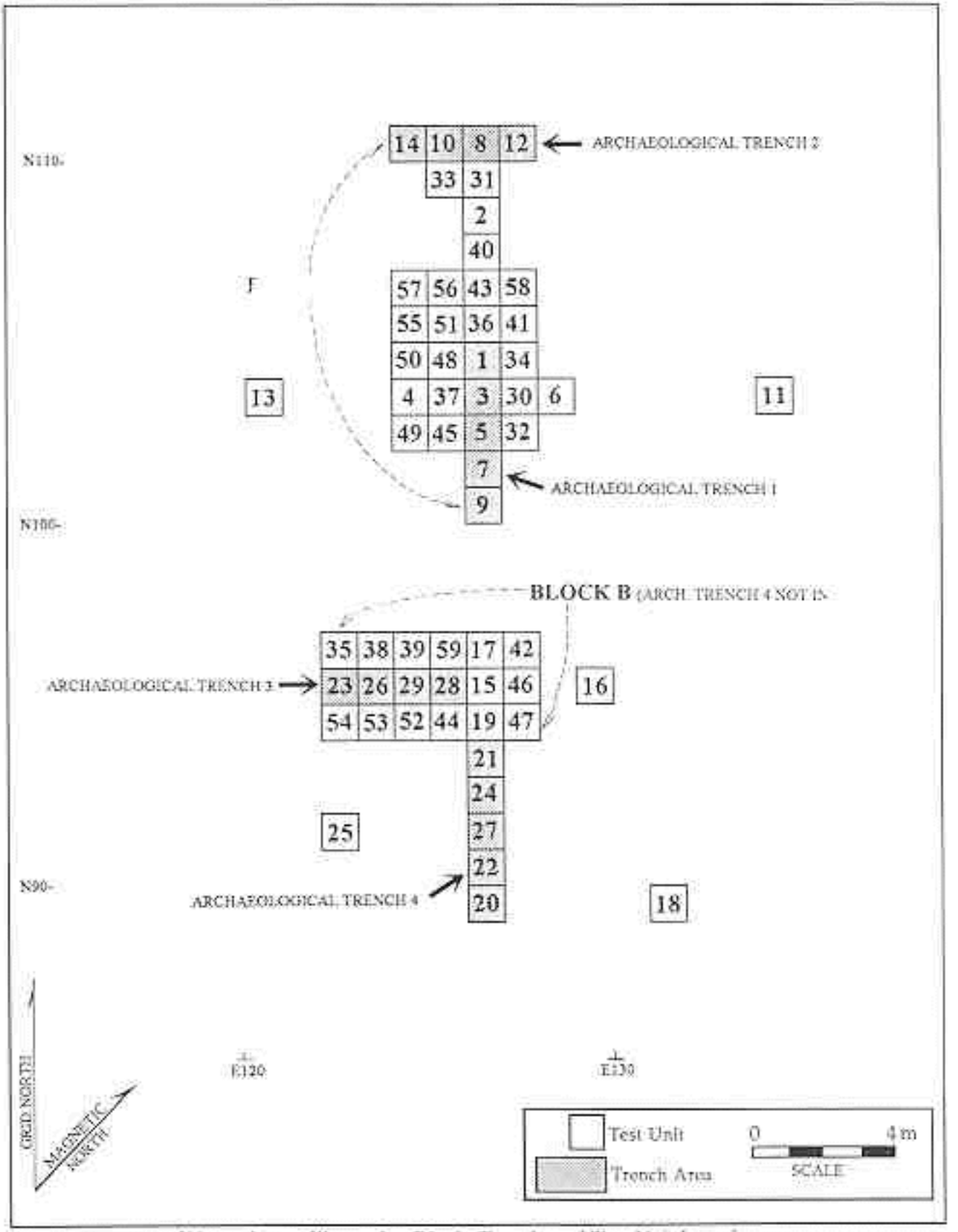


Figure 6.3. Map of Neuse Levee Illustrating Block, Trench, and Test Unit Locations.

Table 6.3. Lithic and Ceramic Artifacts Recovered during Data Recovery Investigations at Neuse Levee.

Lithics	n	Ceramics	n
Hafted Bifaces	34	Fabric-Impressed	76
Hafted Drills	1	Net-Impressed	12
Hafted Scrapers	1	Unidentifiable Decoration	17
Hafted Perforators	7	Sherdlets	94
Bihafted Scrapers	21		
Preforms	8		
Bifaces	11		
Utilized Flakes	31		
Manos	1		
Hammerstone/Battered Cobbles	11		
Celt Flakes	1		
Unidentified Soapstone	7		
Cores	20		
Tested Cobbles	2		
Debitage	10,257		
FCR	324		
Unaltered Cobbles	731		
Mica	2		
Ochre	4		
Graphite	6		
Total	11,480		199

Table 6.4. Diagnostic Hafted Bifaces Recovered During Data Recovery Investigations at Neuse Levee.

Type	n	Raw Material	Culture Period
Small Triangular	8	Rhyolite (6), Quartz (2)	Late Woodland–Historic
Yadkin	1	Quartz	Early/Middle Woodland
Badin	1	Rhyolite	Early Woodland
Eared Yadkin	1	Rhyolite	Early Woodland
Woodland Stemmed	1	Rhyolite	Early Woodland
Savannah River	9	Rhyolite	Late Archaic

The fabric-impressed wares appear to have been deposited during all three Woodland subperiods (Figure 6.5). This assertion is based on technological and stylistic grounds that are discussed at length in Chapter 9. The net-impressed sherds may be part of a single Early Woodland vessel (Figure 6.5b).

Lithics

The nature of the overall lithic assemblage indicates that lithic reduction was a significant activity at Neuse Levee. Debitage constitutes 98.8% (n=10,257) of the chipped stone inventory, while chipped stone tools (excluding preforms) account for only 1.0% (n=106). The presence of 20 cores, two tested cobbles, and 11 hammerstones/battered cobbles also attests to an emphasis on stone tool manufacture.

Lithic tools are abundant, considering the limited area of the occupation zone. The majority are formal chipped stone varieties that were meant to be hafted. There is a significant expedient flake tool assemblage as well; it comprises 29.2% (n=31) of the chipped stone tool inventory.

Complete and fragmentary chipped stone tools include hafted bifaces that are probably projectile points/knives (PP/Ks), hafted bifaces used as perforators, bihafted bifaces that appear to have been used

Figure 6.4. Selected Hafted Bifaces Recovered during Data Recovery Investigations at Neuse Levee.

points used as scrapers and/or drawknives, a hafted drill, a hafted scraper, and bifaces that served an unknown function. Eight hafted bifaces are preforms that were broken and/or abandoned during manufacture; it appears they all were intended to be PP/Ks. A few of the bifaces are rather crudely fashioned, and it is suspected they were abandoned during manufacture as well.

The 31 flake tools are utilized flakes that exhibit random scarring. They all appear to be expedient discards, as none have been intentionally retouched or modified to achieve a specific form.

One mano, one celt flake, and seven soapstone fragments represent the ground stone assemblage. The mano is a well-ground circular slab of gneiss that has a flat working edge. The celt flake, as the name implies, appears to have originated from a ground and polished celt or axe. The soapstone fragments are too small to identify by artifact class.

Cobble tools are limited to battered cobbles (n=11) that are probably hammerstones. Fire-cracked rock (n=324) was not particularly abundant, and only a few small clusters were encountered. A relatively large number of unaltered cobbles (n=731) were discovered, most of which appear to be unused raw material sources. However, as is the case with FCR, large concentrated clusters of unaltered cobbles were not present. These objects occurred throughout the excavated area as isolated finds, or in loose association with a few other unaltered cobbles.

A few pieces of unaltered mica, graphite, and ochre complete the lithic inventory. The mica is very fragmentary, and does not appear to have been worked. Graphite and ochre occurred in their mineral state.

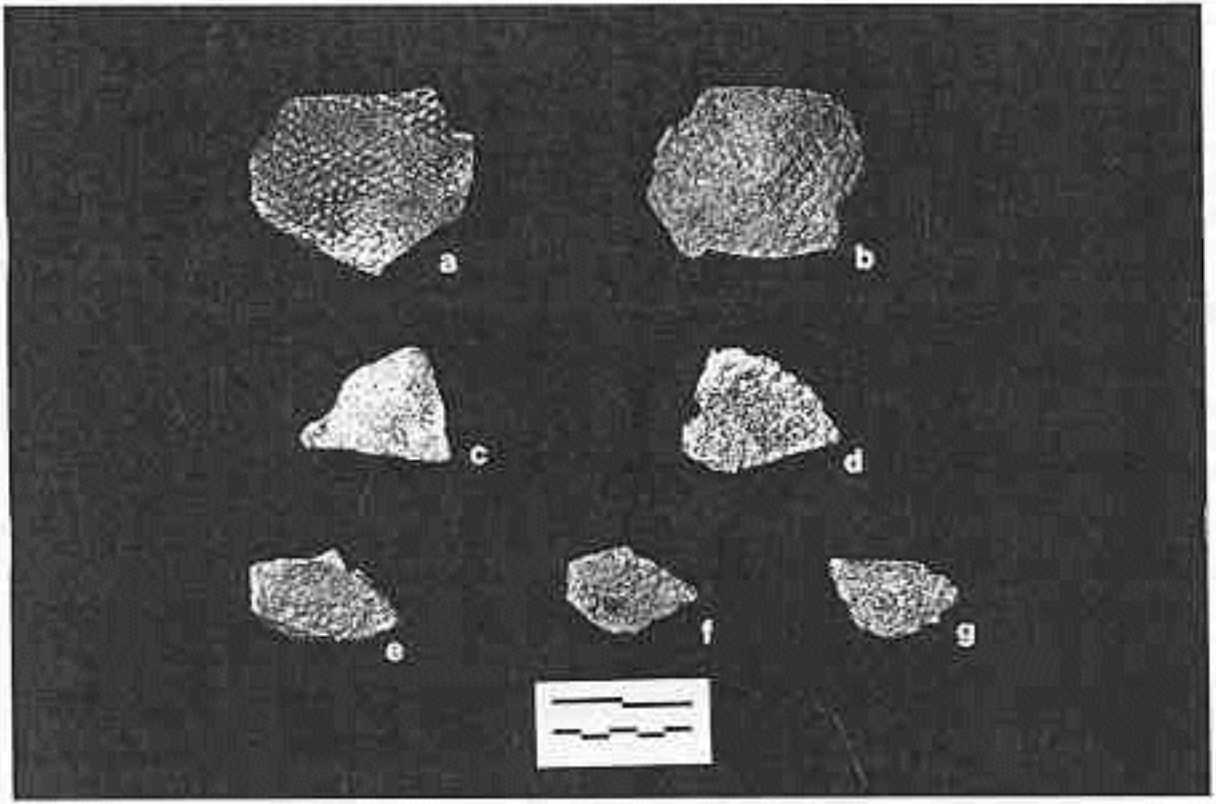


Figure 6.5. Selected Ceramics Recovered during Data Recovery Investigations at Neuse Levee.

The vast majority of lithic raw material is rhyolite (Tables 6.5 and 6.6). It accounts for 89% of all lithic raw material recovered during data recovery, and 94% of the chipped stone. All the chipped stone tool categories are dominated by rhyolite, and it is the exclusive raw material for all but two of those categories. Rhyolite constitutes 88% (n=30) of the hafted bifaces, and 77% (n=24) of the utilized flakes.

Rhyolite comprises 94% (n=9,626) of the lithic debitage and most of the cores and unfinished tools. It accounts for 100% (n=8) of the preforms, 55% (n=11) of the cores, and 50% (n=1) of the tested cobbles.

Rhyolite cobble tools constitute 9% of the hammerstone/battered cobbles (n=1), 1% (n=3) of the FCR, and 59% (n=432) of the unaltered cobbles.

Quartz is the second most numerous raw material type encountered during data recovery. Although it constitutes 6% of the overall lithic assemblage, this raw material category only accounts for 2% of the chipped stone. Quartz chipped stone tools include three hafted bifaces, one hafted scraper, and four utilized flakes.

Quartz makes a very small contribution to the debitage category (2%; n=240), but it accounts for 50% (n=6) of the cores. As is usually the case, quartz is the most common type of FCR; it constitutes 88% (n=284) of that category. Additional quartz artifacts include hammerstones/battered cobbles (55%; n=6) and unaltered cobbles (20%; n=147).

Chipped stone artifacts manufactured from quartzite are limited to debitage, cores, and one utilized flake. Quartzite debitage constitutes 0.4% (n=45) of that category; it accounts for 15% (n=3) of the cores, and 3% of the utilized flakes.

Thirty-one pieces of quartzite have been heat-altered. They comprise 10% of the FCR. Nine unaltered quartzite cobbles are present, accounting for 1% of that artifact class. One tested cobble (50%; n=1) completes the quartzite assemblage.

Almost all of the chert (99%; n=344) recovered during data recovery is debitage; it accounts for 3.4% of that inventory. The remaining portion of the chert assemblage consists of one hafted biface fragment and two utilized flakes. The former constitutes 3% of that tool class, while the latter comprises 7% of the utilized flakes. In terms of the overall assemblage, chert comprises 3% of all lithics and 3% of the chipped stone.

Only one piece of jasper is present in the lithic assemblage. It is a primary unspecialized flake that constitutes less than 0.1% of the chipped stone inventory.

Most of the gneiss artifacts are unaltered cobbles (97%; n=141). Unaltered cobbles of this material constitute 19% of that category. Three pieces of heat-altered gneiss comprise 0.9% of the FCR assemblage. The only mano and only celt flake encountered during data recovery are made from this raw material. Overall, gneiss constitutes 1% of the lithic material.

Less than 0.1% (n=7) of lithic raw material is sandstone. Three pieces of sandstone have been heat altered; these items constitute 1% of that artifact category. Two unaltered cobbles constitute 0.3% of that total. One piece of sandstone that may be a flaking debris was recovered, as was one sandstone hammerstone/battered cobble. The former specimen comprises less than 0.1% of the debitage, and the latter accounts for 9% of the hammerstones/battered cobbles that were recovered.

Ceramics

A significant portion (47%; n=94) of the 199 sherds encountered during data recovery are less than 2 cm across their greatest dimension. These small specimens lack the technological and stylistic attributes necessary for identification and classification. Therefore, they did not receive the analytical scrutiny afforded the remainder of the ceramic assemblage, and are not included in any subsequent analysis discussed in this report.

Most of the remaining 105 specimens exhibit fabric-impressed surfaces (72%; n=76). Twelve (11%) sherds are net-impressed, and may belong to the same vessel. The surface treatment on the rest of the sherds (n=17) cannot be determined. These specimens constitute 16% of the sherds that underwent technological and stylistic analysis.

The projectile point data suggest that at least one occupation occurred during each of the three Woodland subperiods defined for the region. Since fabric- and net-impressed wares were produced throughout the Woodland period, and there is no apparent stratification of the Woodland components, a detailed ceramic analysis was conducted in order to determine if—and to what degree—ceramics were deposited during each of the identified Woodland components. The results of that analysis are presented in Chapter 9. Technological and stylistic details, with regard to the ceramic assemblage, are provided in that chapter of this report.

Table 6.5. Lithic Raw Material Frequencies by Artifact Class at Neuse Levee.

	Rhyolite	Quartz	Quartzite	Chert	Jasper	Gneiss	Sandstone
Hafted Bifaces	30	3		1			
Hafted Drills	1						
Hafted Scrapers		1					
Hafted Perforators	7						
Bihafted Scrapers	21						
Preforms	8						
Bifaces	11						
Utilized Flakes	24	4	1	2			
Manos						1	
Hammerstone/Batt.ered Cobbles	1	6	3				1
Celt Flakes						1	
Cores	11	6	3				
Tested Cobbles	1		1				
Debitage	9.626	240	45	344	1	3	1
FCR	3	284	31			141	3
Unaltered Cobbles	432	147	9				2

* Does not include the self-evident raw material for soapstone, graphite,mica, and ochre.

Table 6.6. Lithic Raw Material Relative Frequencies by Artifact Class at Neuse Levee.

	Rhyolite	Quartz	Quartzite	Chert	Jasper	Gneiss	Sandstone
Hafted Bifaces	88.2	8.8		3.0			
Hafted Drills	100.0						
Hafted Scrapers		100.0					
Hafted Perforators	100.0						
Bihafted Scrapers	100.0						
Preforms	100.0						
Bifaces	100.0						
Utilized Flakes	77.4	12.9	3.2	6.5			
Manos						100.0	
Hammerstone/Batt.ered Cobbles	9.1	54.5	27.3				9.1
Celt Flakes						1	
Cores	55.0	30.0	15.0				
Tested Cobbles	50.0		50.0				
Debitage	93.8	2.3	0.4	3.4	<0.1		<0.1
FCR	0.9	87.7	9.6			0.9	0.9
Unaltered Cobbles	59.1	20.1	1.2			19.3	0.3
Mica							
Ochre							
Graphite							
TOTAL							

* Does not include the self-evident raw material for soapstone, graphite,mica, and ochre.

Features

Five features associated with prehistoric human activity at Neuse Levee were discovered during data recovery investigations (Figure 6.6). They are designated Feature 2 through Feature 6; Feature 1 was a soil anomaly that was eventually determined to be a tree stain. The five features include a small pit, two small clusters of FCR, and two debitage concentrations. All are associated with the Late Archaic component by nature of their provenience; they were found on or in the surface of the Bt horizon (Lithologic Unit 1) between 77 and 87 cm below the surface. Unfortunately, charcoal sufficient for radiocarbon analysis was not associated with any of the features.

Feature 2

This small, loosely defined rock cluster was discovered in Block A on the surface of the Bt horizon 80 cm below the surface (Figures 6.7 and 6.8). It was oriented in a linear fashion from northwest to southeast for approximately 1.3 m; its maximum width is about 1 m. The function or activity associated with this feature is unknown.

The cluster consists of six unaltered cobbles and four pieces of FCR. Four of the unaltered cobbles are rhyolite, one is quartzite, and one is gneiss. Two rhyolite hafted perforators were found in association. No floral or faunal remains were discovered in the flotation sample.

Feature 3

Feature 3 was a small rock concentration discovered at the southern end of Archaeological Trench 4 (Figures 6.9 and 6.10). It was encountered 77 cm below the surface, at the interface of the Bw and Bt horizons. The cluster was a maximum of 40 cm long and 20 cm wide. The function or activity associated with this feature is unknown.

Feature 3 consists of four unaltered cobbles and three pieces of FCR. No tools or soil stains were associated. Identifiable charred botanical remains discovered in the flotation sample from this feature include 15 pieces of charred pine and four hickory nut fragments (<0.1 g). Faunal remains were not present.

Feature 4

This small, shallow, irregularly shaped pit was encountered in the northern end of Block A 78 cm below the surface (Figures 6.11 and 6.12). Bowl-shaped in profile, this 54-x-45-cm soil anomaly extended 3 cm into the Bt horizon. The function of this feature is unknown.

The surrounding soil matrix consists of strong brown sandy silt mottled with dark yellowish brown sandy silt. The fill consisted of brown sandy silt mottled with dark yellowish brown sandy silt. Very small flecks of charcoal were dispersed throughout the fill, but there was not enough of a sample to submit for radiocarbon dating.

Identifiable charred botanical remains include 13 pieces of pine, two pieces of oak, three hickory nut fragments, and one hickory nut husk. The sample had a total weight of 0.8 g. According to the flotation results, no faunal material was present.

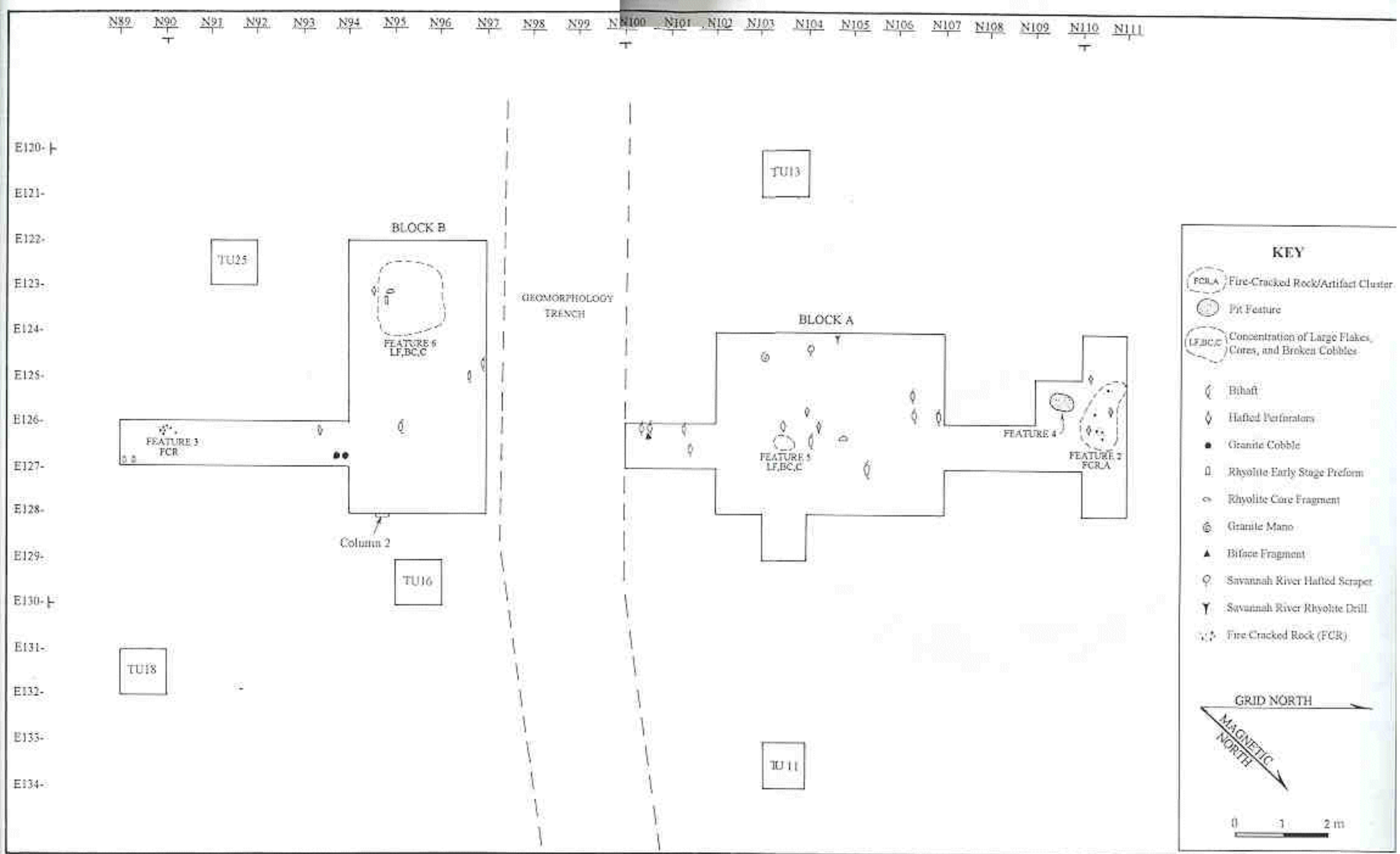


Figure 6.6. Map of Neuse Levee Illustrating Feature Locations in the Late Archaic Horizon.

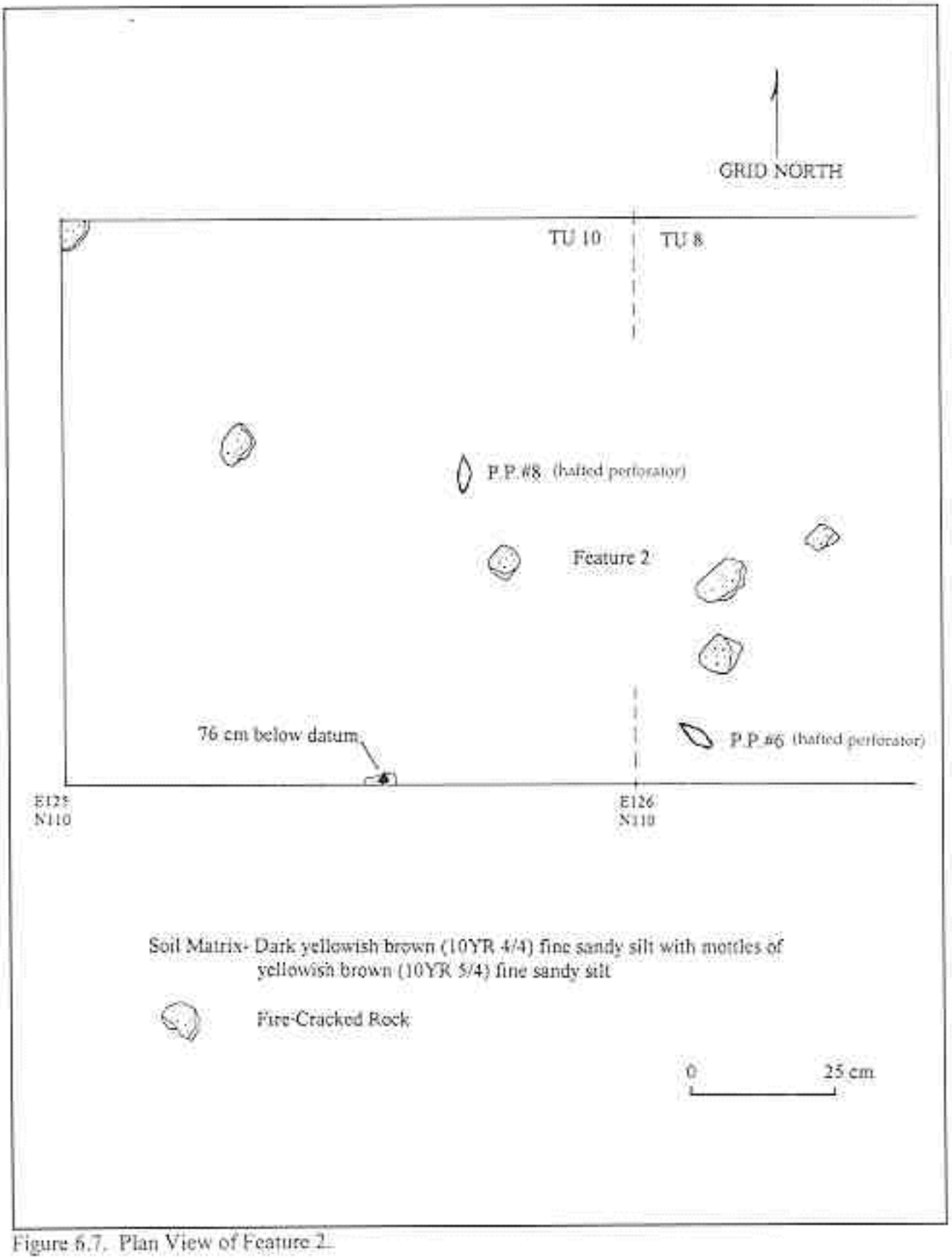


Figure 6.7. Plan View of Feature 2.

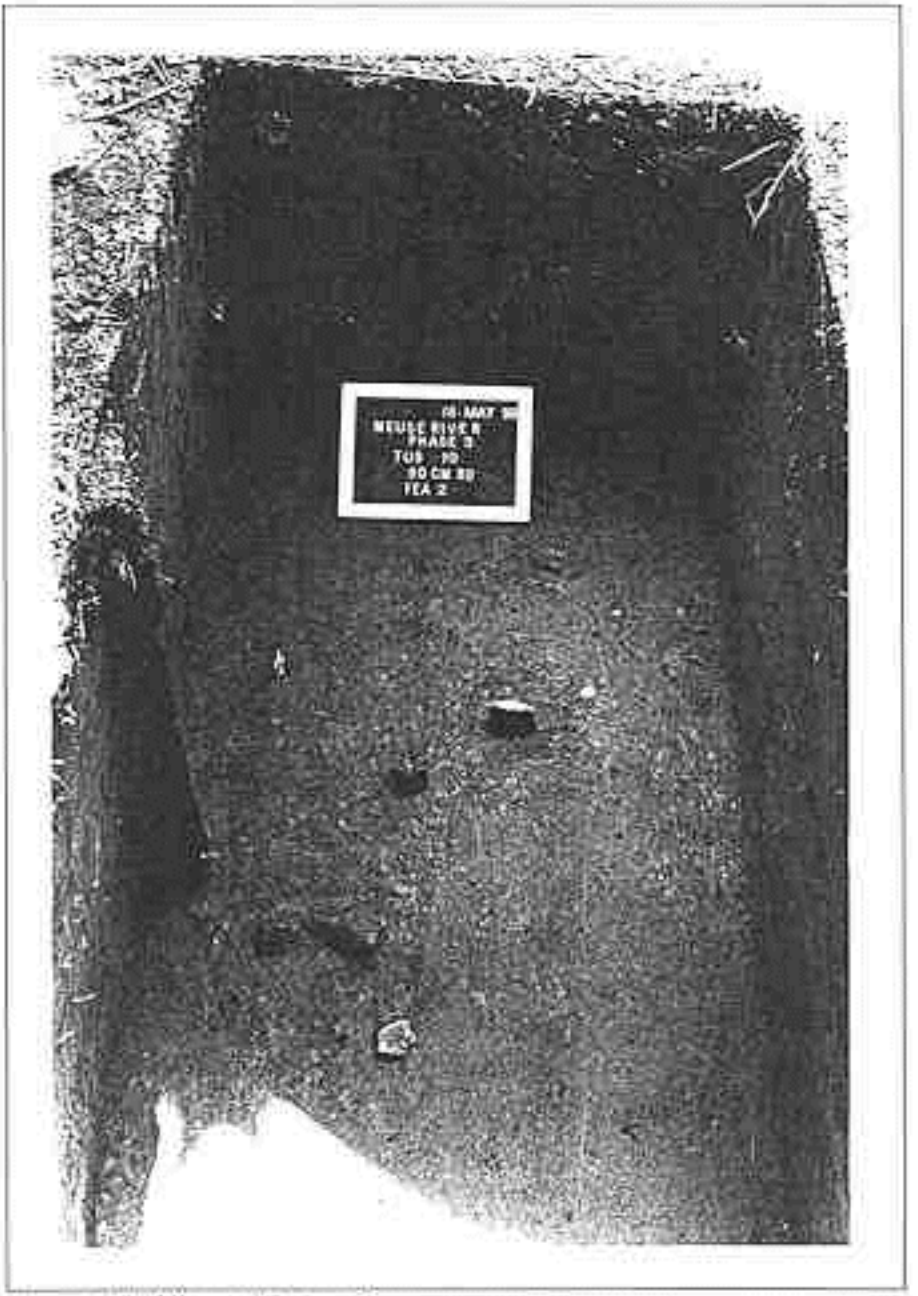


Figure 6.8. View of Feature 2.

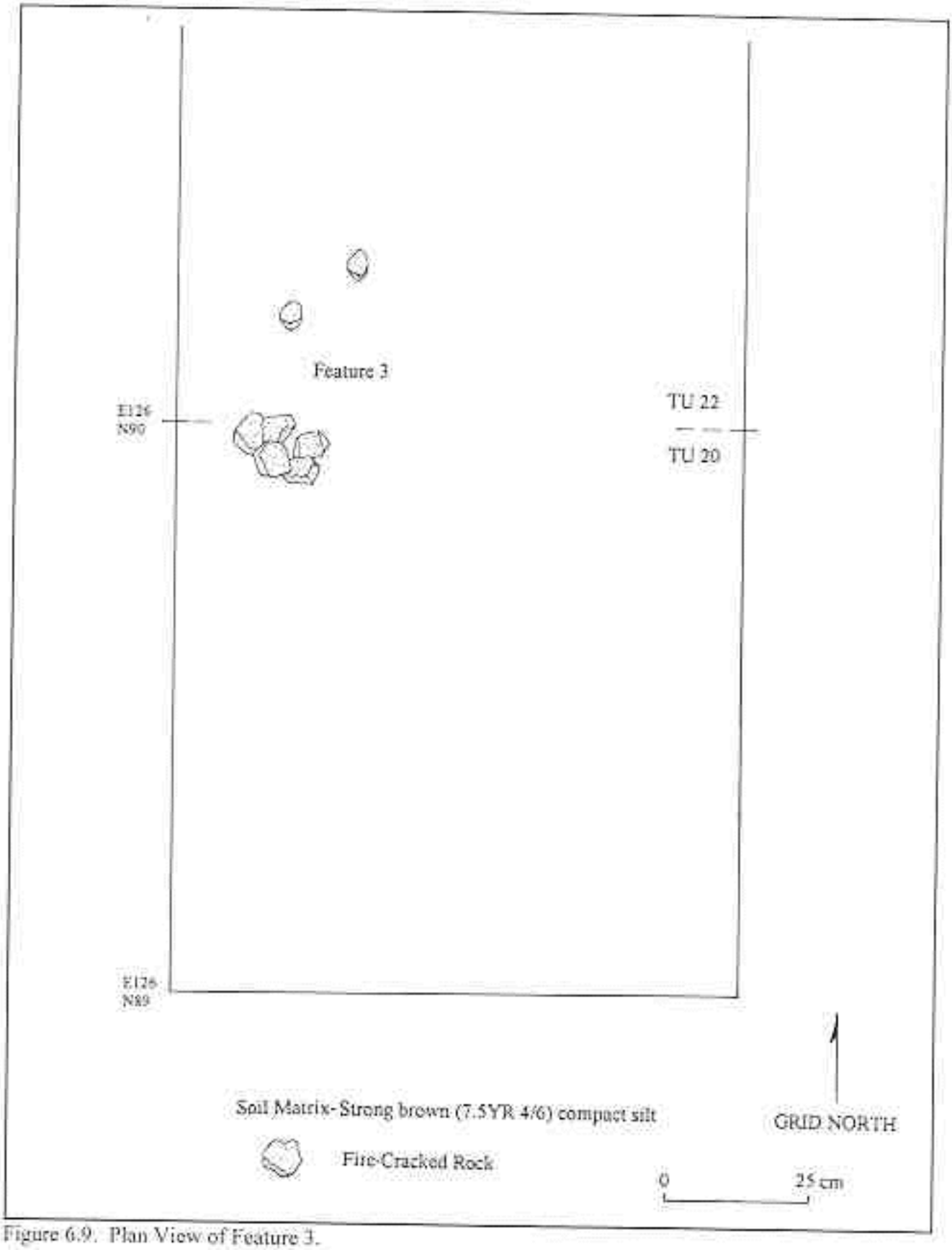
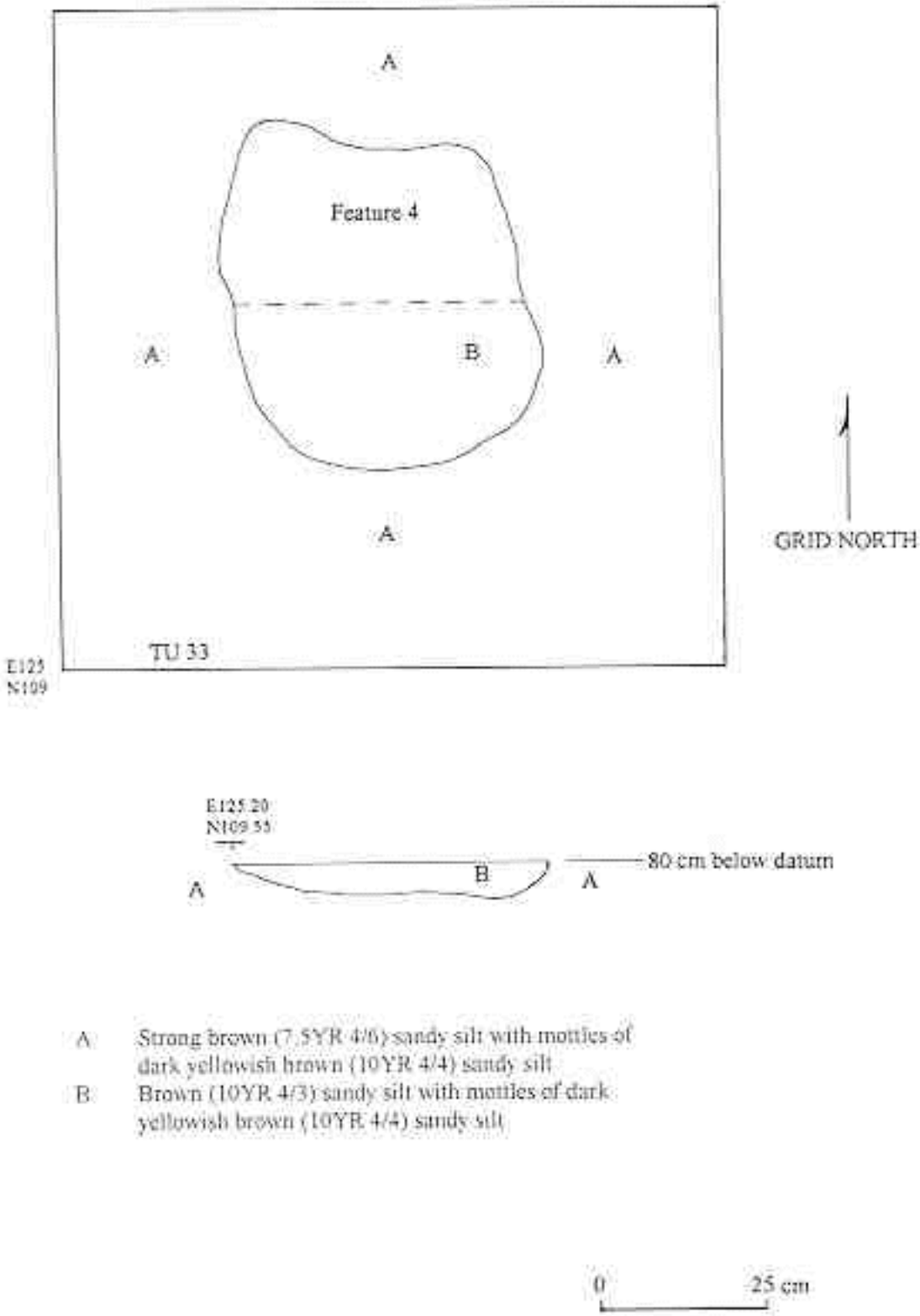


Figure 6.9. Plan View of Feature 3.

Figure 6.10. View of Feature 3.



A Strong brown (7.5YR 4/6) sandy silt with mottles of dark yellowish brown (10YR 4/4) sandy silt

B Brown (10YR 4/3) sandy silt with mottles of dark yellowish brown (10YR 4/4) sandy silt

Figure 6.11. Profile and Plan View of Feature 4.

Figure 6.12. View of Feature 4.

Feature 5

Feature 5 was a dense concentration of rhyolite debitage in Block A (Figures 6.13 and 6.14). It was discovered in the surficial layer of the Bt horizon 80 cm below the surface. The debitage was concentrated in a 1-x-1-m area; it was not associated with a soil stain.

This debitage concentration consisted of 118 large rhyolite flakes, many of which could be refitted; it is probably the remnant of a single reduction episode that utilized one large cobble. Charred botanical remains recovered from the flotation sample include pine, oak, and hickory nut. The entire sample totaled less than 0.1 g. Faunal remains were not present.

Feature 6

This artifact concentration was encountered 87 cm below the surface in Block B, immediately above the Bt horizon (Figures 6.15 and 6.16). It was approximately 30 cm long east-west. The north edge of the feature was clipped by the initial Trench 3, so the north-south length is unknown but is at minimum 20 cm.

Feature 6 consists of nine large rhyolite flakes, one rhyolite tested cobble, and one rhyolite biface. Most of the flakes can be refitted to the tested cobble. No soil stain was present, but this feature appears to have been part of an intensive lithic reduction episode that resulted in the deposition of several hundred large rhyolite flakes that saturated the coterminous excavation levels in test units placed immediately to the north (see Figure 6.6). The charred botanical assemblage derived from the flotation sample is limited to two pieces of pine (0.1 g).

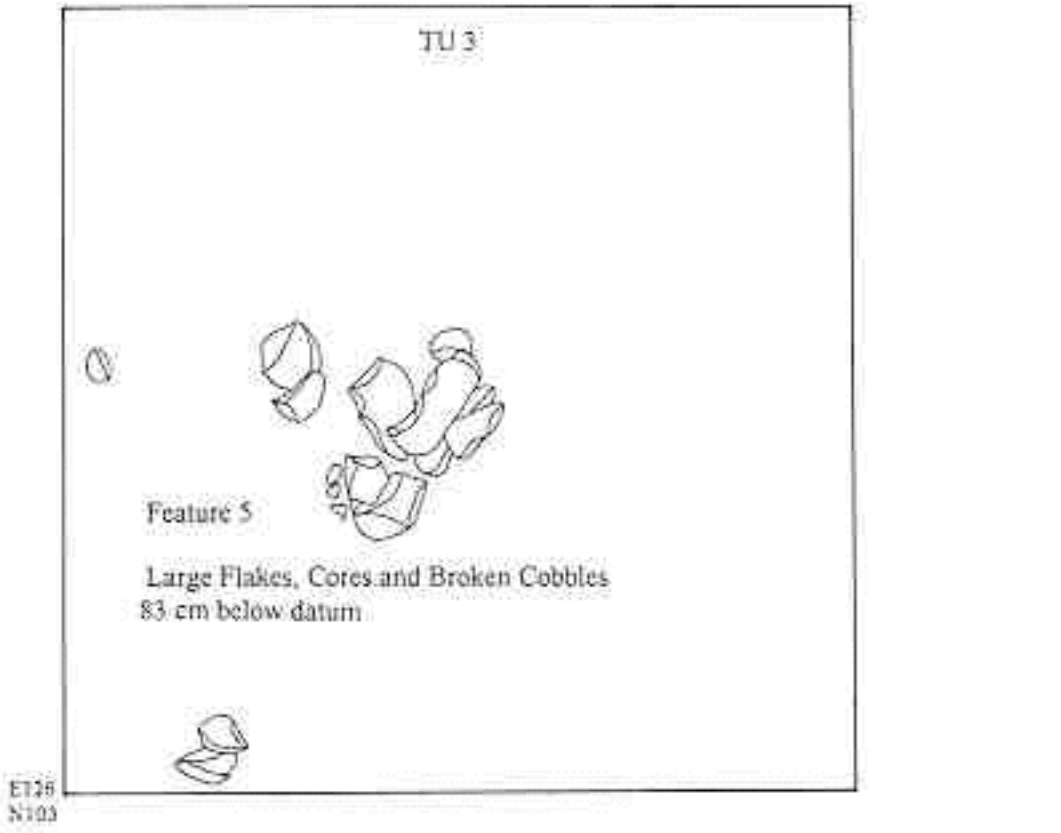


Figure 6.13. Plan View of Feature 5 as Initially Exposed.

Figure 6.14. View of Feature 5.

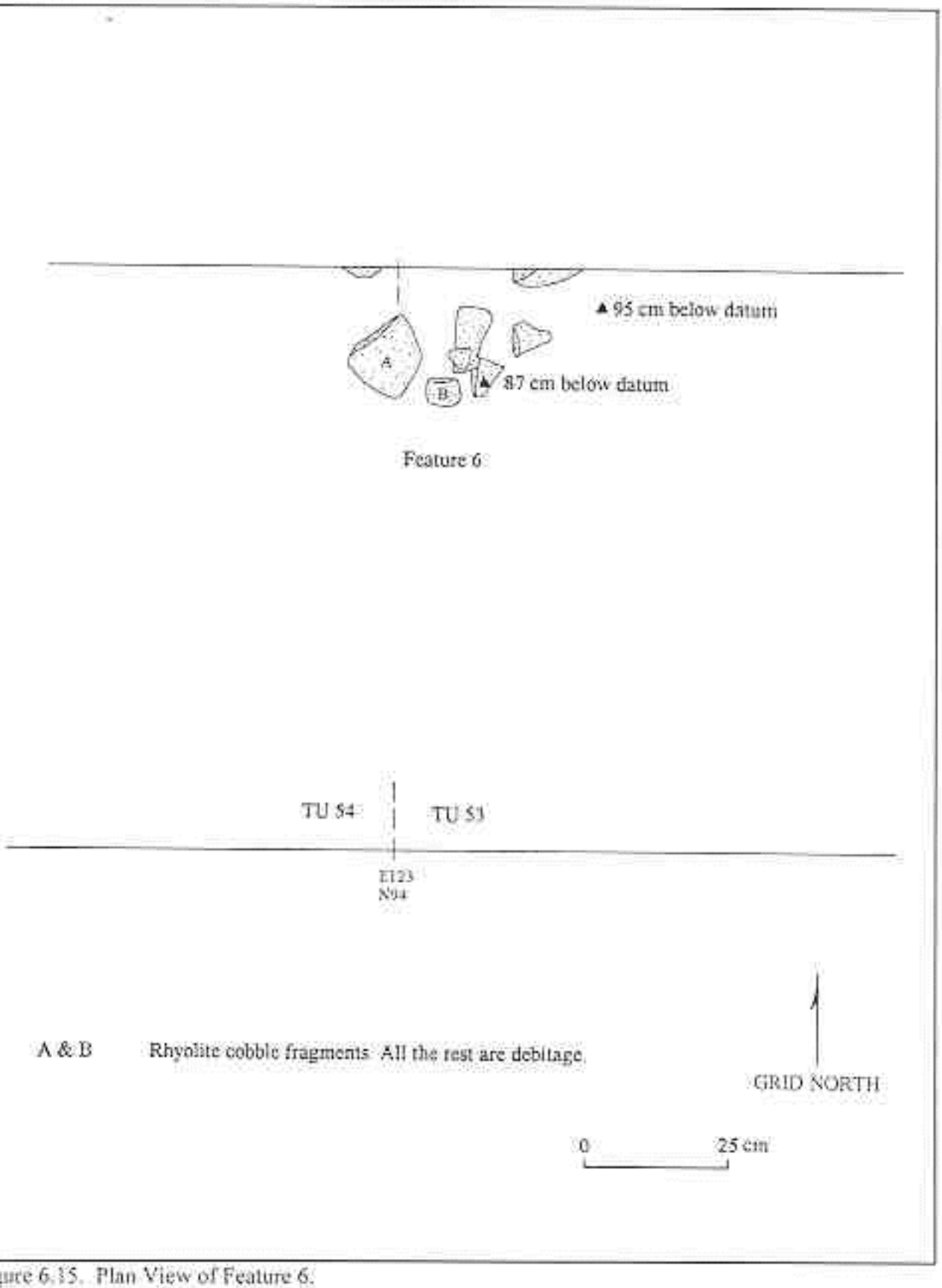


Figure 6.15. Plan View of Feature 6.

Figure 6.16. View of Feature 6.

Archaeological Trench 4 was a 1-x-5-m excavation trench along the levee crest in the southern portion of the site. Maximum excavation depths reached 90 cm below the surface, and all test units penetrated the Bt for at least one excavation level (Figure 6.17).

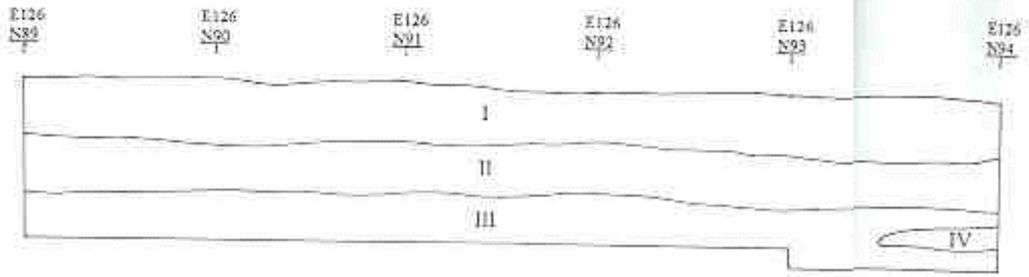
As stated previously, five isolated 1-x-1-m test units were placed around the perimeter of the main excavation area. Maximum excavation depths ranged from 77 to 190 cm below the surface (see Figures 6.18 and 6.19). Test unit results indicate that prehistoric activity on the periphery of the levee was limited. They also add supporting evidence that deeply buried archaeological deposits are not present in the Bt horizon.

BLOCK, TRENCH, AND TEST UNIT RESULTS

This section presents the results from the three excavation schemes utilized during data recovery; the assemblages from each are summarized in Tables 6.7–6.9. Blocks A and B are the only excavation areas that yielded diagnostic lithics. Each block contained at least one specimen associated with each identified component (Table 6.10). Block A, the eastern portion of Block B, and Archaeological Trench 4 are oriented along the crest of the levee. The soil stratigraphy is relatively uniform throughout this area (see Figures 6.17–19). The western portion of Block B, however, extends over the former river bank, and the sediments slope accordingly (Figure 6.20).

Block A is 31 m^2, most of this area consisted of contiguous 1-x-1-m units that extended from the original 1-x-5-m excavation trench (Archaeological Trench 1). Archaeological Trench 1 was eventually

ARCHAEOLOGICAL TRENCH 4



Soils of Archaeological Trench 4 in Block B (North-South Profile)

I	Dark yellowish brown (10YR4/4) loam grading to loamy silt
II	Dark yellowish brown (10YR 4/3) fine sandy silt - occasional mottles of yellowish brown (10YR 5/4) silt
III	Strong brown (7.5YR 4/6) loamy sand - occasional mottles of dark yellowish brown (10YR 4/4) fine sandy silt, mineral staining with depth
IV	Same as stratum II

Soils of Archaeological Trench 1 and Northward in Block A (North-South Profile)

I	Brown (10YR 3/4) loam grading to loamy silt - homogenous
II	Dark yellowish brown (10YR 4/4) fine sandy silt with moderate mottles of yellowish brown (10YR 5/4) sandy silt
III	Strong brown (7.5YR 4/6) loamy sand with moderate mottles of yellowish brown (10YR 5/4) silty fine sand
IV	Light olive brown (2.5Y 5/4) silty fine sand with moderate to heavy mottles of dark brown (10YR 4/4) silty sand
V	Same as stratum III
VI	Dark yellowish brown (10YR 4/6) sand mottled with yellowish brown (10YR 5/8) sand
VII	Yellowish brown (10YR 5/8) compact sand
VIII	Yellowish brown (10YR 5/4) sand with some light olive brown (2.5Y 5/4) sand present
IX	Yellowish brown (10YR 5/8) loose sand and small pockets of light olive brown (2.5Y 5/4) sand

scale

0 50 cm 1 m

ARCHAEOLOGICAL TRENCH 1

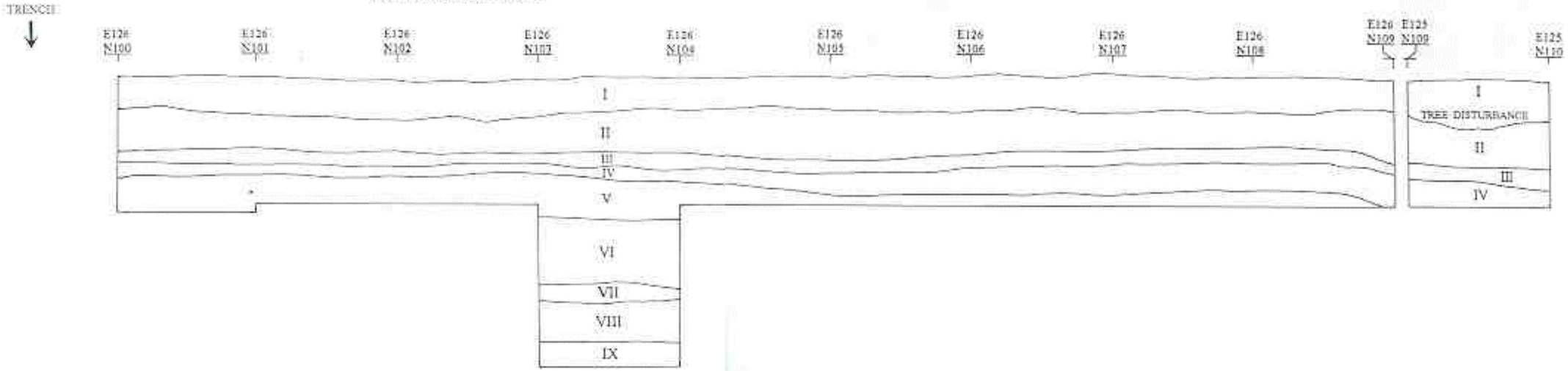


Figure 6.17. North-South Profile of Block A and Archaeological Trench 4.

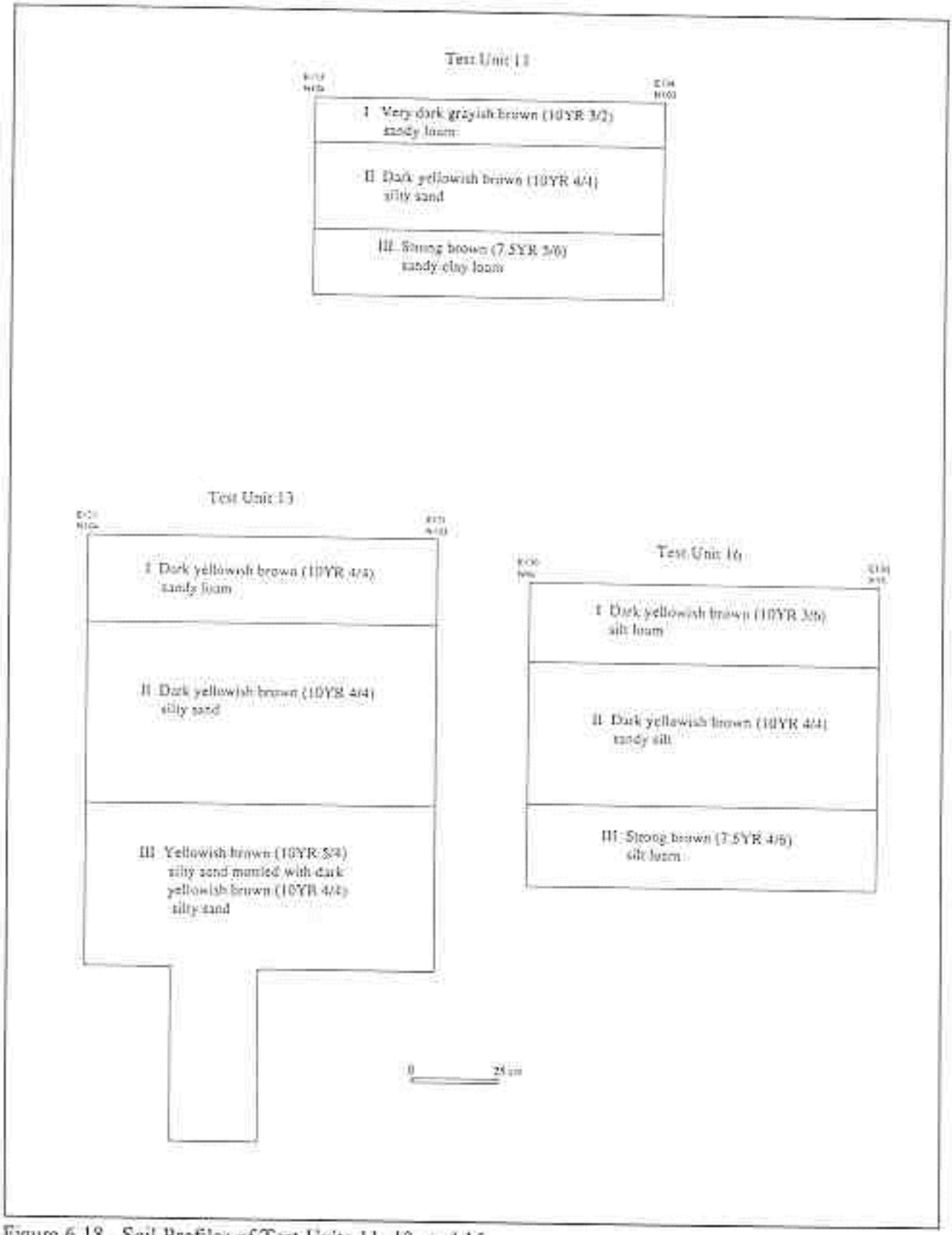


Figure 6.18. Soil Profiles of Test Units 11, 13, and 16.

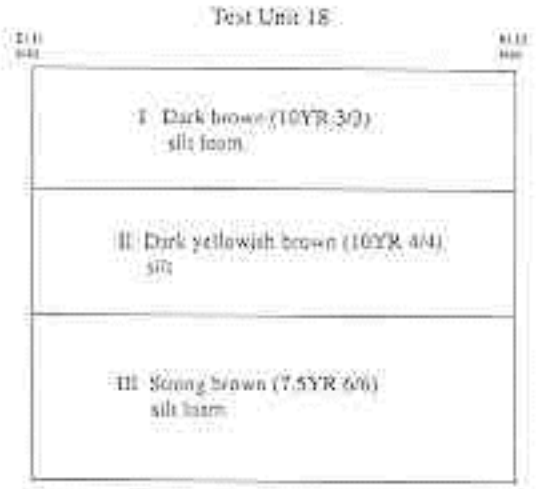


Figure 6.19. Soil Profiles of Test Units 18 and 25.

Table 6.7. Ceramic Artifact Frequencies by Data Recovery Excavation Scheme at Neuse Levee.

	Fabric Impressed	Net-Impressed	UID-Decoration
Block A	50		10
Block B	14		3
Arch. Trench 4	3	12	1
TU 11			
TU 13			
TU 16	1		1
TU 18	6		1
TU 25	2		1
Total	76	12	17

Table 6.8. Diagnostic Lithic Frequencies by Excavation Block at Neuse Levee.

	Block A	Block B
Small Triangular	3	5
Yadkin	1	
Badin		1
Eared Yadkin		1
Woodland Stemmed	1	
Savannah River	2	7
Total	7	14

connected to Archeological Trench 2, and the entire excavated area defines the full extent of Block A (see Figure 6.2).

Most test units in Block A were excavated to between 90 and 100 cm below the surface, until at least two excavation levels penetrated the Bt horizon. A sample test unit, Test Unit 3, was excavated to a maximum of 220 cm below the surface. It extended more than 1 m into the Bt horizon, and confirmed that buried archaeological deposits did not exist below the surficial layer of the Bt (see Figure 6.17).

Block B is an 18 m^2 rectangular area that was expanded from the original 1-x-4-m Archaeological Trench 3 (see Figure 6.3). Excavations reached a maximum of 130 cm below the surface in the western portion of the block, where the Bt horizon sloped towards the river when it was an exposed surface (Figure 6.20). The eastern portion of Block B was on the levee crest, and excavation depths mirrored that of Block A in that area. All Block B test units were excavated at least one level into the Bt horizon.

Horizontal Artifact Distributions

Even accounting for the discrepancy in total volume excavated, there are no significant differences in the lithic tool assemblages associated with Block A, Block B, and Archaeological Trench 4 (see Tables 6.9 and Table 6.10). Lithic tools, in terms of numbers and diversity, are well represented in all three excavation areas. With the possible exception of Savannah River hafted bifaces, diagnostic lithics are distributed evenly across the northern (Block A) and southern (Block B) portions of the site (see Table 6.8). This evidence suggests that the prehistoric levee crest was used during all prehistoric occupations.

The paucity of tools in the dispersed test units suggests that fewer activities occurred on the site's perimeter than on the current levee crest. The general lack of artifacts in Test Units 11, 13, and 25 indicates that, for some reason, the southwestern, northwestern, and northeastern portions of Neuse Levee were not utilized to any large extent.

Table 6.9. Lithic Artifact Frequencies by Data Recovery Excavation Scheme at Neuse Levee.

	Block A	Block B	Arch. Tr. 4	TU 11	TU 13	TU 16	TU 18	TU 25
Hafted Bifaces	15	17	2					
Hafted Drills	1							
Hafted Scrapers	1							
Hafted Perforators	4	2	1					
Bihafted Scrapers	14	7						
Preforms	1	6	1					
Bifaces	7	2					1	
Utilized Flakes	15	10	4			1	1	
Unidentified Soapstone	1	2	2					2
Manos	1							
Hammerstone/Batt.ered Cobbles	4	5	2					
Celt Flakes		1						
Cores	9	10				1		
Tested Cobbles		2						
Debitage	4,473	4,869	557	13	6	92	223	24
FCR	149	106	62			3	2	2
Unaltered Cobbles	336	288	87			2	17	1
Mica	2							
Ochre	1	2	1					
Graphite		2	3				1	
TOTAL	5,034	5,331	722	13	6	99		29

Table 6.10. Chipped Stone Raw Material Frequencies by Data Recovery Excavation Scheme at Neuse Levee.

	Block A	Block B	Arch. Tr. 4	TU 11	TU 13	TU 16	TU 18	TU 25
Rhyolite	4,348	4,753	433	10	5	42	120	20
Chert	55	62	97	2		41	89	1
Quartz	118	68	34	1	1	11	17	3
Quartzite	8	41	1					
Jasper	1							
Sandstone		1						

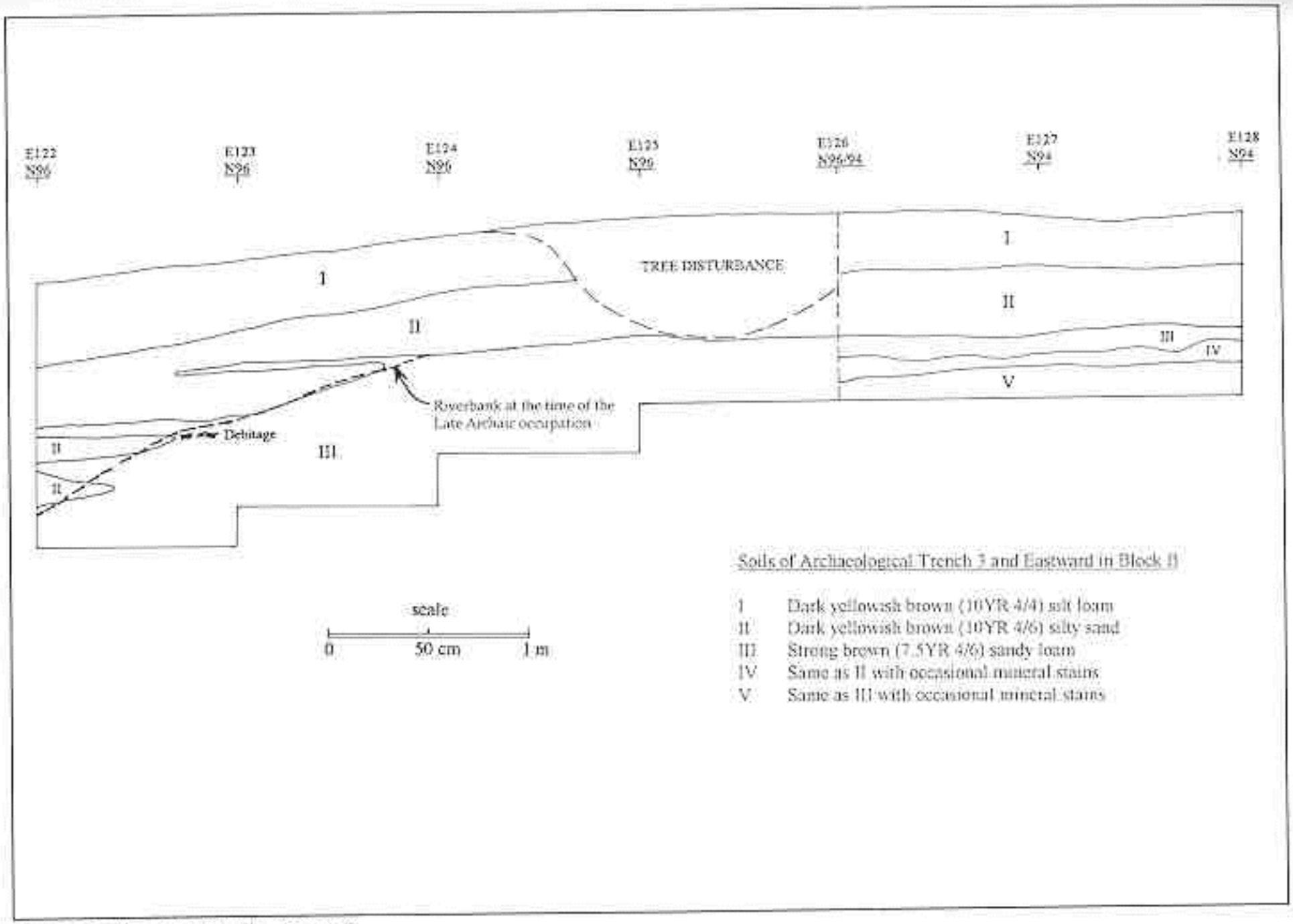


Figure 6.20 East-West Profile of Block B

Heavy artifact concentrations in the western portion of Block B, which occurred on the river bank slope of the Bt horizon, indicate that the bank was being used during the initial Late Archaic occupation (see below). Consequently, proximity to the river's edge was evidently not prohibitive site activity during that visit. Test Units 11 and 25 are east of the westernmost units in Block B and, therefore, east of the ancient river bank, so another explanation for the general lack of artifacts in these test units is warranted. They could be out of the locus of activity or in activity areas that produced few or perishable residues.

The river had migrated westward by Woodland times, leaving the western edge of the levee dry and exposed, so proximity to the river cannot be proposed as an explanation for the lack of cultural deposits on the west side of the site for any of the identified components at Neuse Levee. Perhaps the vegetation was too thick, or some other archaeologically invisible circumstance prevented this area from being used when the site was occupied.

Judging from current conditions and the geomorphological evidence concerning the natural history of the levee's formation, the northeastern portion of the site may have been low and wet for most of the Holocene. Therefore, it was probably not hospitable for most human enterprises conducted at this location during the prehistoric era.

Rhyolite and chert are present in relatively equal proportions in Blocks A and B. Rhyolite debitage is underrepresented in Archaeological Trench 4, however, even when the trench's smaller size is taken into account. This is related to the intensive rhyolite reduction episodes that apparently took place in Blocks A and B during one of the Late Archaic occupations (Figure 6.21).

In contrast, chert is over-represented in Archaeological Trench 4. A high proportion of chert also occurs in Test Units 16 and 18, which were placed east of Archaeological Trench 4. According to a detailed analysis of vertical raw material distributions, chert appears to be associated almost exclusively with Woodland technology at Neuse Levee (see Chapter 10). If so, the horizontal distributional data indicate that the southeastern portion of the site was most heavily used during one or more of the Woodland occupations. A three-dimensional plot of ceramic distributions supports this contention, as two large "spikes" in ceramic frequency occur in that area (Figure 6.22). The large spike at E126 N90 is caused by the presence of 12 net impressed sherds that are probably part of the same vessel. The other spike occurs in Test Unit 18, in the extreme southeastern section of the site. Most of those sherds (85.7%; n=6) are fabric-impressed.

Fabric-impressed sherds occur in several places throughout the site, however, and not only in association with high proportions of chert (Figure 6.23). This is likely because the fabric impressed wares are attributable to more than one Woodland occupation. Fabric-impressed pottery occurs throughout the Woodland sequence in the project region (see references to Late Woodland fabric impression in Phelps 1983; Rogers 1993; Woodall 1998), and technological aspects of vessel production are more diagnostic than taxonomic classifications defined by general surface treatment categories such as fabric-impressed, net-impressed, cord-marked, check-stamped, etc. The detailed ceramic analysis conducted on the Neuse Levee assemblage presented in Chapter 9 is intended to discern technological nuances that can associate the fabric-impressed and net-impressed wares with specific cultural components. Unfortunately, the number of fabric-impressed and net-impressed sherds provisionally attributed to each identified component is too small to be of use in a distributional analysis.

A few general statements about horizontal ceramic distributions can be made, however. When a comparison is made between all unidentifiable ceramics and ceramics with fabric-impressed surfaces, it is evident that the unidentifiable wares have a slightly different horizontal distribution than do those with identifiable surface treatments (Figures 6.23 and 6.24). This suggests that the unidentifiable wares are not a related subgroup of fabric-impressed sherds deposited during a single occupation that have been eroded beyond recognition. Rather, this discrepancy suggests that more than one Woodland component is present. The detailed technological analysis presented in Chapter 9 suggests that at least three Woodland components exist, representing Early, Middle, and Late Woodland occupations.

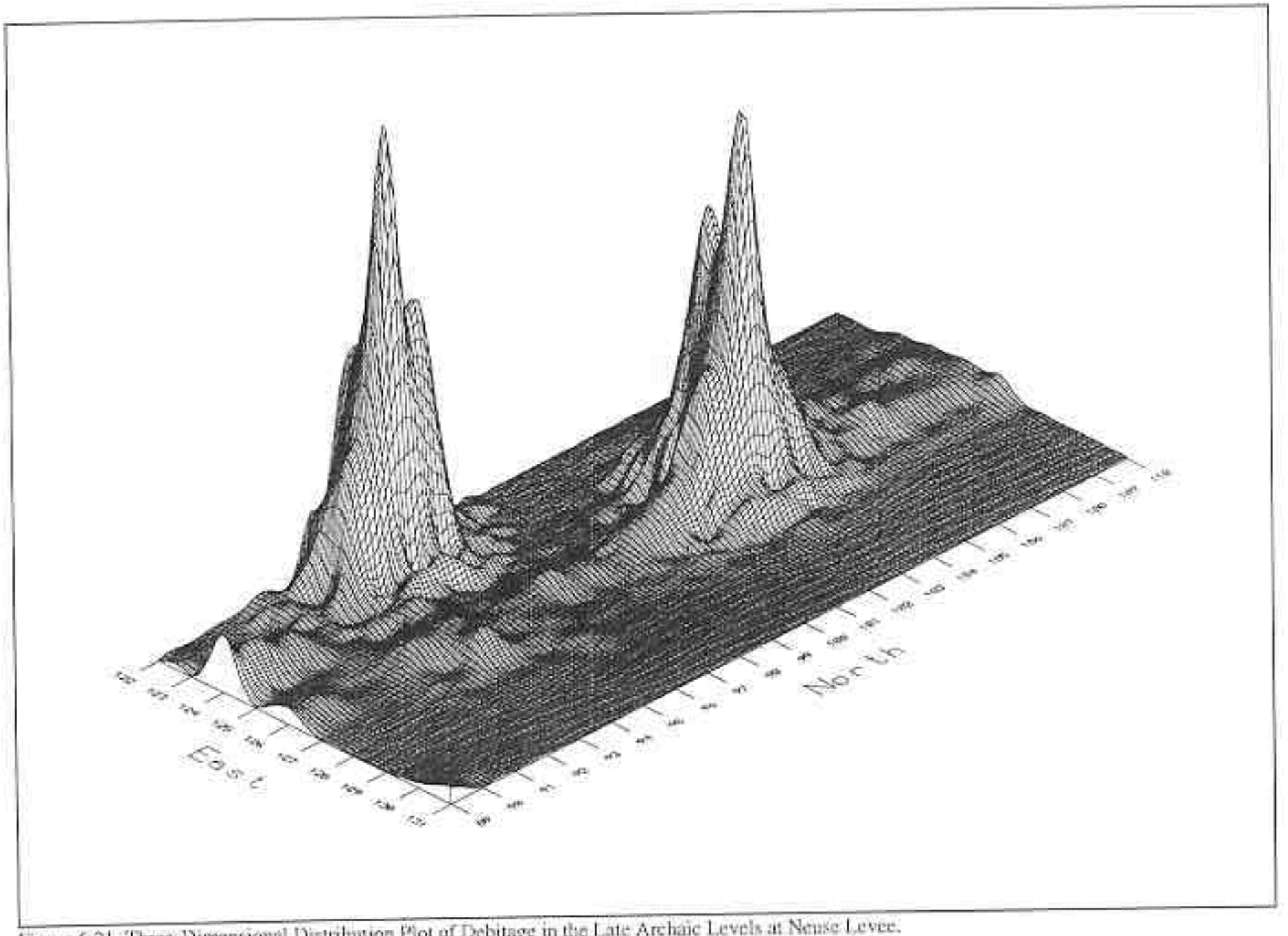


Figure 6.21. Three-Dimensional Distribution Plot of Debitage in the Late Archaic Levels at Neuse Levee.

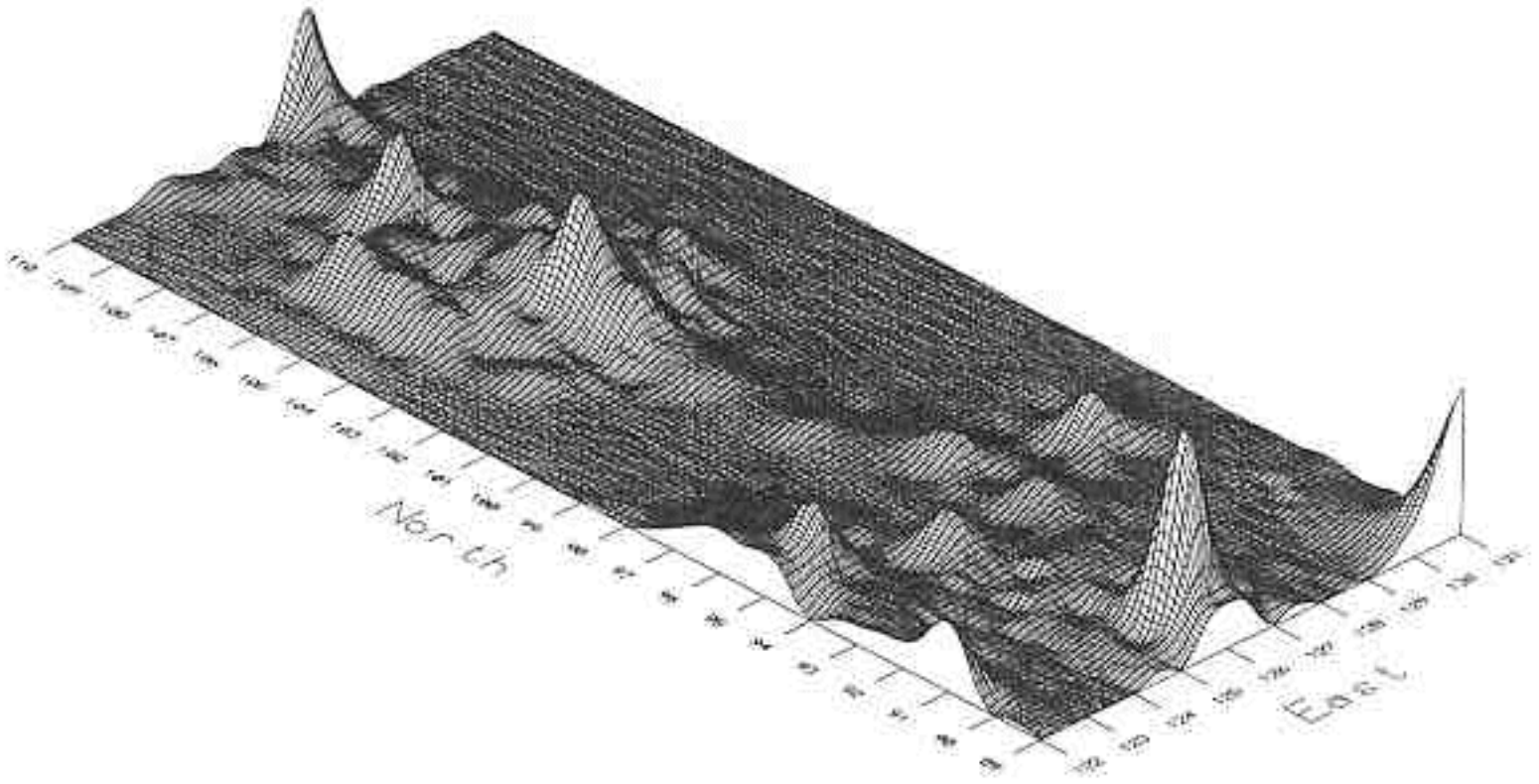


Figure 6.22. Three-Dimensional Distribution Plot of All Analyzed Ceramics at Neuse Levee.

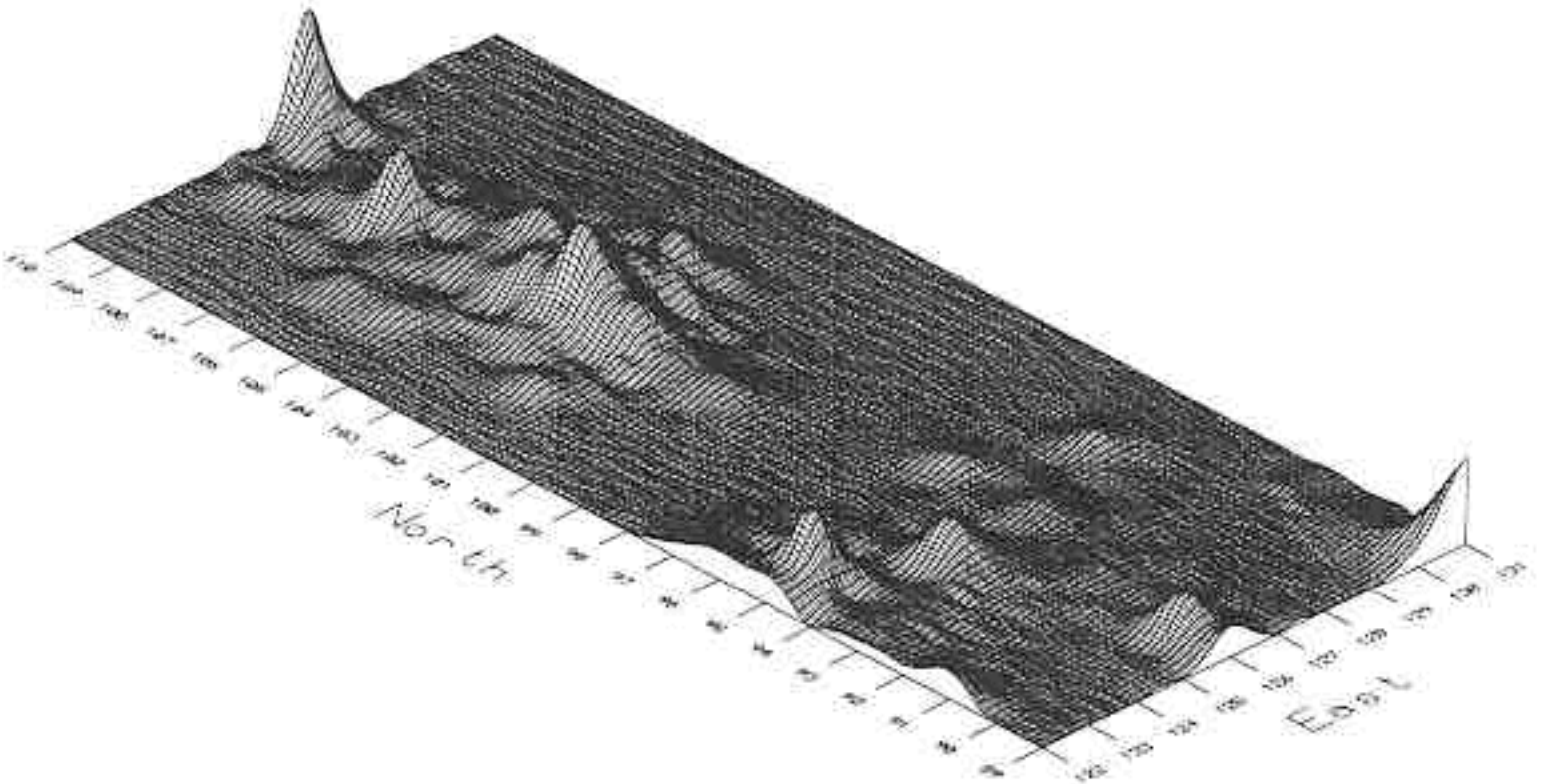


Figure 6.23. Three-Dimensional Distribution Plot of Fabric Impressed Sherds at Neuse Levee.

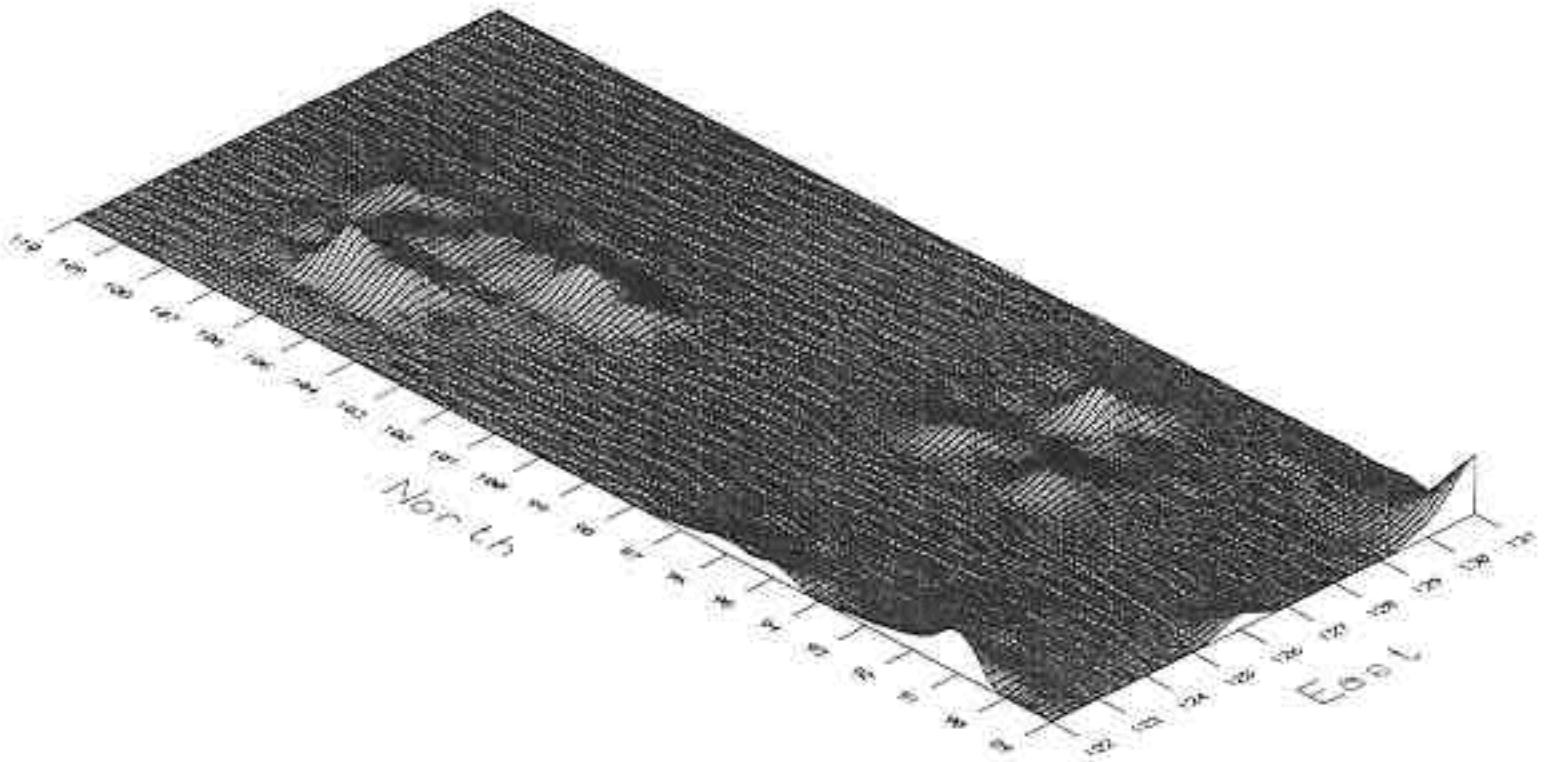


Figure 6.24. Three-Dimensional Distribution Plot of Sherds with Unidentifiable Surface Treatments at Nesse Levee.

Vertical Artifact Distributions

The lithic and ceramic data about vertical artifact distributions indicate that there are two primary cultural zones within the stratigraphic profile. The bimodal signal in the frequency distribution of lithics by depth is one indicator of this situation (Figure 6.25). It illustrates that the first mode (in LU 3), which is rather weak, begins at the 10–20-cm level, peaks at the 21–30-cm level, and steadily declines until it reaches its nadir 41–50 cm below the surface. The second mode (in LU 2) shows a dramatic increase in lithic artifacts at 61–70 cm below the surface; a peak is evident at the 81–90 cm level, and a dramatic decline occurs between 91 and 100 cm below the surface. The 51–60-cm level is probably a transition zone likely containing mostly artifacts associated with the lower levels.

Diagnostic evidence, when viewed by excavation level, indicates that the upper cultural zone (Zone I; 10–50 cm below the surface) contains archaeological material deposited during the Early, Middle, and Late Woodland periods. All diagnostic lithics attributable to the Woodland period are confined to this zone, and the Late Woodland Small Triangulars occur throughout its profile (Figure 6.26). Early and Middle Woodland hafted bifaces are confined to the 10–30 cm levels. This situation suggests that Early, Middle, and Late Woodland material has been amalgamated into a single assemblage, and that they cannot be vertically isolated from each other.

Vertical ceramic distributions also indicate that the assemblage from Zone I is distinctly Woodland in origin (Figure 6.27). It also illustrates that there is a fundamental difference between Zone I and the lower cultural zone (Zone II) because, with the exception of four very small sherds that have likely been forced down the soil column by natural processes, the entire ceramic assemblage is limited to Zone I.

The difference is not only accentuated by a correlation between the lack of ceramics and a dramatic increase in lithic artifacts, but also in terms of diagnostic lithic distributions. All diagnostic lithics in Zone II are Savannah River hafted bifaces, which are hallmarks of the Late Archaic period (see Figure 6.26).

The highest artifact concentrations in Zone II occur on the surface of the Bt, as does the highest incidence of two distinctive tool types: bihafted scrapers and hafted perforators. Also, all five cultural features were first encountered at the base of the Bw horizon, or in the Bt. It follows that this initial occupation of Neuse Levee was more intensive than any of the subsequent prehistoric visits. The nature of that occupation will be discussed later in this chapter; however, its Late Archaic date is secure. Four Savannah River hafted bifaces were discovered on the surface of the Bt, and four radiocarbon dates on charcoal recovered from the Bw/Bt interface all dated to between 3700 and 3860 radiocarbon years ago. This evidence firmly places this assemblage within the Late Archaic period.

The thickness of the lower cultural zone and the presence of Savannah River hafted bifaces further up in the profile (61–70 cm below the surface) indicate that at least one additional Late Archaic occupation occurred after the initial visit. Based on the diminished number of tools and debitage in that level, it is suspected that the subsequent Late Archaic occupation(s) was/were less intensive and probably of shorter duration.

With final regard to the Late Archaic assemblage, one fragmentary Savannah River hafted biface was discovered in Zone 1 at the 21–30 cm level. It is likely that this specimen was found or inadvertently removed (dug up?) from its original provenience during one of the Woodland occupations. This statement is based on the clear vertical separation between that specimen and the rest of the Late Archaic diagnostic inventory (see Figure 6.26).

Based on the analysis of vertical artifact distributions, the following assertions are made. Two distinct cultural zones are present in the stratigraphic profile of Neuse Levee. Zone I occurs between 10 and 50 cm below the surface, and it contains an amalgamated assemblage of Early, Middle, and Late Woodland archaeological material. Zone II is situated between 51 and 100 cm below the surface. It contains a Late

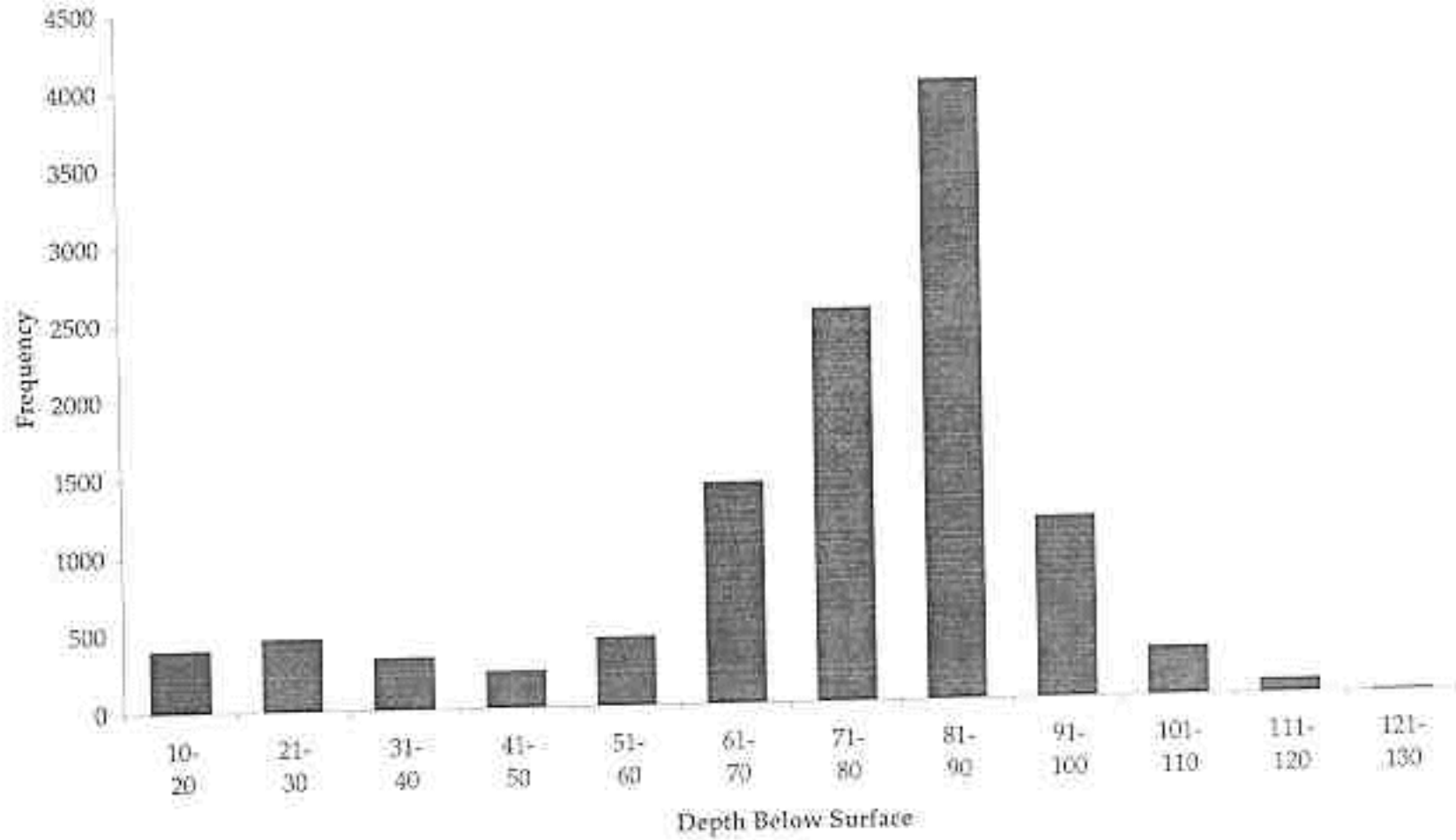


Figure 6.25. Lithic Artifact Frequencies by 10 cm Excavation Level at Neuse Levee.

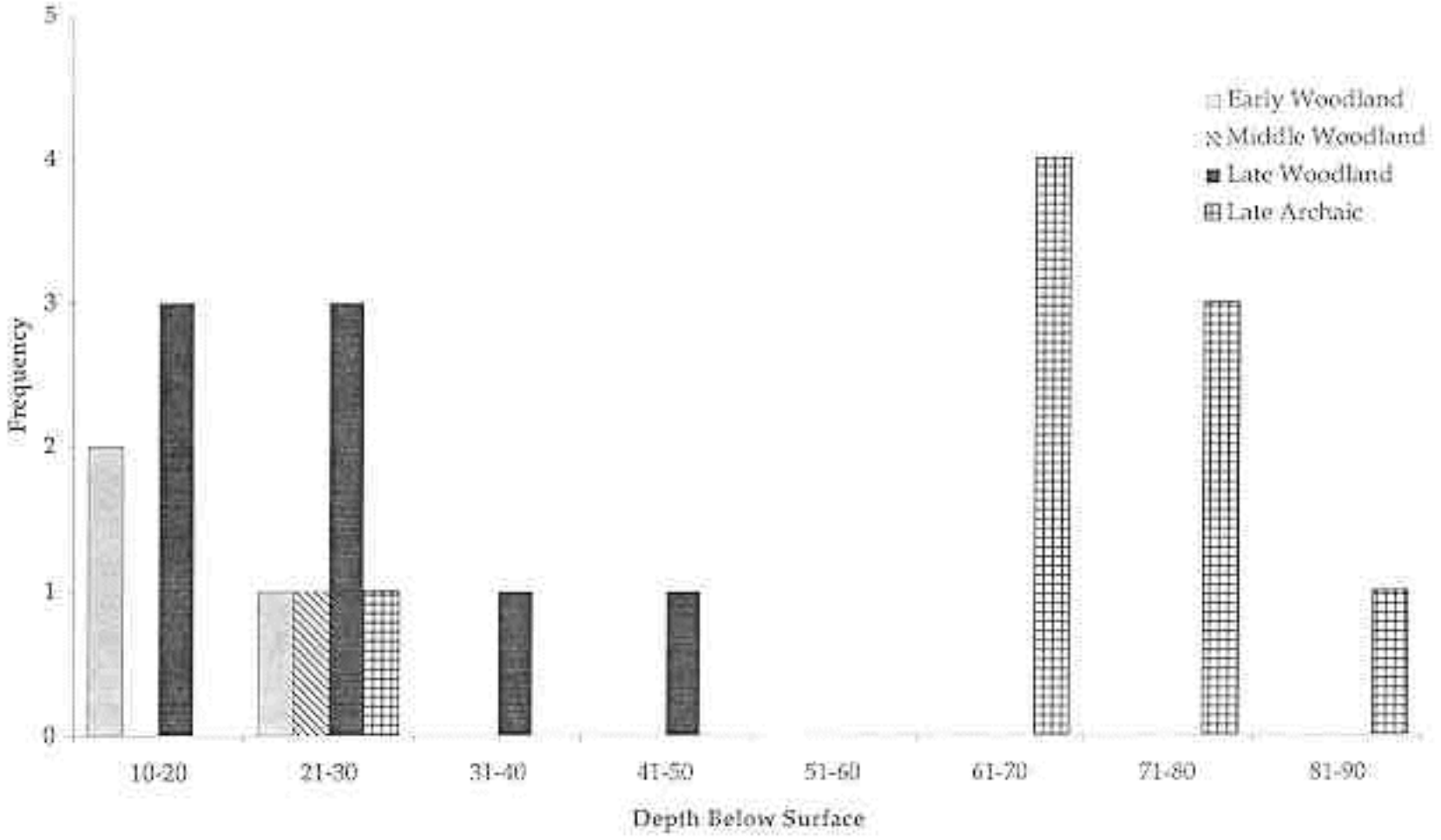


Figure 6.26. Diagnostic Lithic Frequencies by 10 cm Excavation Level at Neuse Levee.

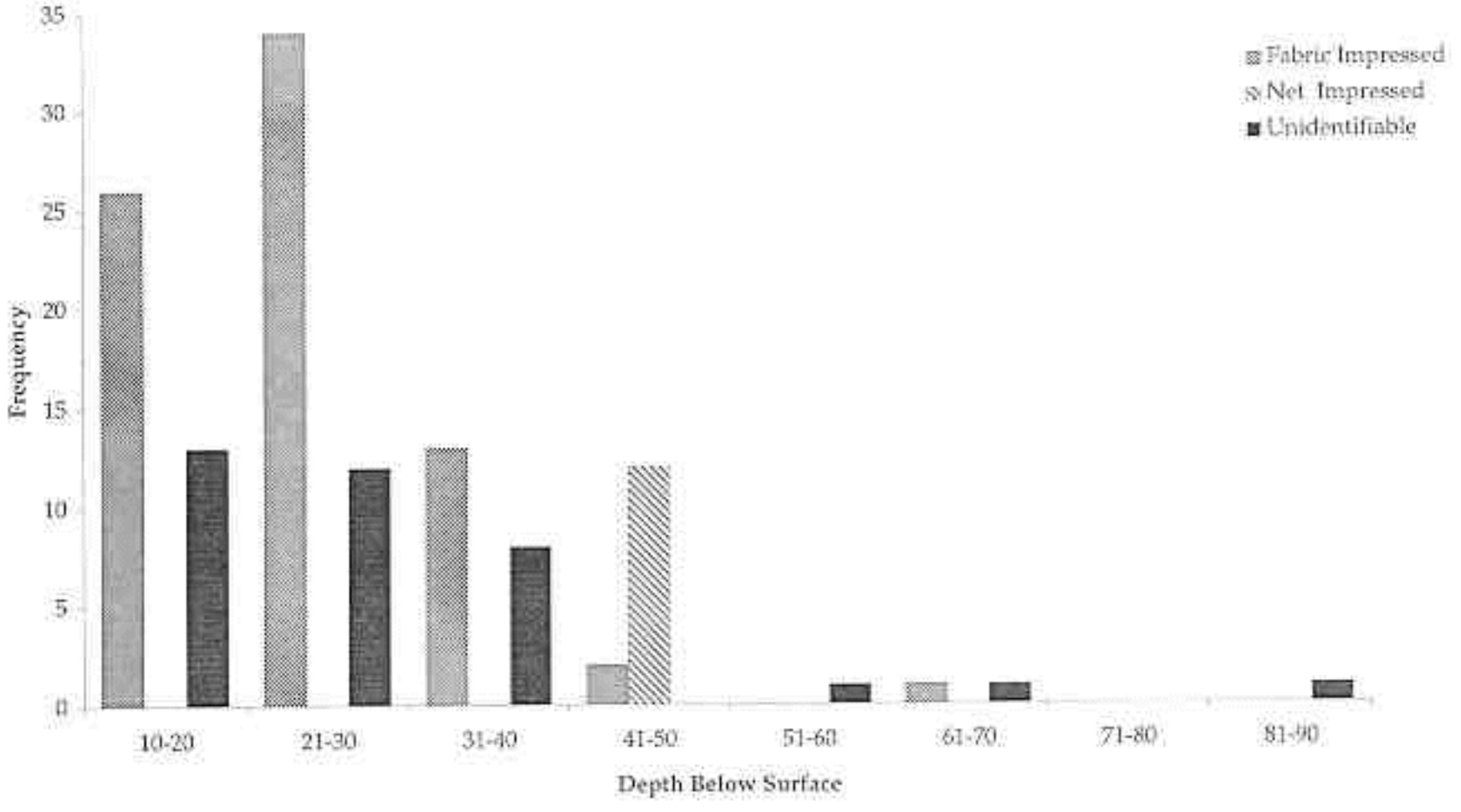


Figure 6.27. Ceramic Frequencies by 10 cm Excavation Level at Neuse Levee.

Archaic assemblage that was probably deposited during at least two occupational episodes. The initial occupation was the most intensive, and the occupation floor at that time was the surface of the Bt horizon. One or more subsequent Late Archaic visits occurred, but were probably much less intensive and shorter in duration.

SITE FUNCTION AND STRUCTURE

This section incorporates the technological and distributional data into a discussion of site function and structure for each of the two cultural components identified at Neuse Levee.

The Woodland Component

Diagnostic lithic and ceramic evidence indicates that at least one visit to Neuse Levee occurred during each of the Early, Middle, and Late Woodland periods. Unfortunately, the lack of vertical and horizontal isolation within the Woodland stratigraphic zone (Zone I) precludes us from presenting a detailed analysis of site structure and function for individual occupations. It is possible, however, to make a few general statements concerning Woodland period site use.

The Woodland lithic assemblage is much smaller and less diverse than the Late Archaic lithic inventory. A comparison of the Zone I and Zone II (Late Archaic component) assemblages clearly demonstrates that the site was used much more intensively during the Late Archaic than it was during the Woodland, at least in terms of activities related to lithic reduction and lithic tool utilization (Tables 6.11 and 6.12).

Chipped stone tools in the Woodland inventory include expedient-disposable (e.g., utilized flakes), formal-disposable (e.g., bifaces), and formal-curated (e.g., hafted bifaces) varieties. Although these tools represent a wide range of possible functions, their limited numbers suggest that they were used to accomplish small-scale and short-term tasks. The lithic tool assemblage is limited to 28 tools. If there were only three Woodland occupations, one during each of the three subperiods, this translates to an average deposition of only 9.3 tools per episode. A majority of the tools are hafted bifaces (PP/Ks) or preforms (60.7%; n=17), however. If those specimens are removed from consideration, the overall Woodland chipped stone tool assemblage decreases to 2.7 tools per occupation (n=11). Ten of those 11 tools are utilized flakes, and one is a biface.

A similar situation occurs in terms of artifacts related to lithic reduction. Assuming that there were three Woodland occupations, on average there was approximately 400 pieces of debitage and 1.7 cores produced during each visit.

Obviously, these averages do not reflect actual conditions, and it is possible, though not likely, that most of the debitage and nondiagnostic tools were used and deposited during one of the Woodland habitations. This exercise was meant to emphasize the limited nature of the lithic assemblage in Zone I. Even if one occupation was responsible for most of the nondiagnostic artifacts, the inventory is not substantial enough to indicate that relatively long-term and/or labor-intensive activities occurred during that visit.

In terms of ceramics, the assemblage is rather meager. Including sherdlets less than 2 cm in diameter, only 199 vessel fragments were discovered during data recovery. Excavations covered 59 m^2, and at least three occupations are associated with some degree of ceramic use. This converts to 3.8 sherds/m^2 for the entire Woodland assemblage, and 1.3 sherds/m^2 for each of the three identified ceramic components. If volume is added to the equation, the distribution equates to 2.6 sherds m^3. Given that most of the ceramics are very small fragments, it is very likely that only a few vessels were broken during each of the Woodland visits.

Table 6.11. Lithic Artifacts Associated with the Woodland Component at Neuse Levee.

	Rhyolite	Quartz	Quartzite	Chert	Gneiss	Sandstone
Hafted Bifaces	12	3		1		
Preforms	1					
Bifaces	1					
Utilized Flakes	6	2		2		
Hammerstone/Batt.ered Cobbles		2	2			
Celt Flakes					1	
Cores		4	1			
Tested Cobbles			1			
Debitage	851	83	3	320		
FCR		29	5		1	1
Unaltered Cobbles	47	27	4		43	1
Subtotal	*918*	*150*	*16*	323	*45*	2
TOTAL						1,454

* Does not include the self-evident raw material for soapstone (n=4), graphite (n=6), and ochre (n=1).

Table 6.12. Lithic Artifacts Associated with the Late Archaic Component at Neuse Levee.

	Rhyolite	Quartz	Quartzite	Chert	Jasper	Gneiss	Sandstone
Hafted Bifaces	18						
Hafted Drills	1						
Hafted Scrapers	1						
Hafted Perforators	7						
Bihafted Scrapers	21						
Preforms	7						
Bifaces	10						
Utilized Flakes	16	2	1				
Manos						1	
Hammerstone/Batt.ered Cobbles	1	4	1				1
Cores	11	2	2				
Tested Cobbles	1						
Debitage	8,360	154	42	24	1		1
FCR	3	252	26			2	2
Unaltered Cobbles	376	119	5			97	1
Subtotal	8,833	533	77	24	1	100	5
TOTAL							9,573

* Does not include the self-evident raw material for soapstone (n=3), mica (n=2), and ochre (n=3).

The paucity of ceramics, absence of cultural features, and lack of food processing implements such as manos, metates, pestles, and nutting stones, suggest that very little domestic activity took place at Neuse Levee during any of the Woodland occupations. Further, the limited lithic inventory indicates that labor-intensive activities—large-scale food acquisition, food processing, lithic tool production, and lithic tool maintenance, for example—were not conducted either.

It is likely that the levee provided a relatively dry location close to navigable water that served as a serviceable short-term camp. It was possibly used as a waystation while in the midst of accomplishing particular economic, political, or social tasks.

The Late Archaic Component

The Late Archaic component is contained within Zone II, which begins at a depth of 51 cm and extends to the surficial layer of the Bt horizon. The surface of the Bt occurs between 78 and 83 cm below the surface on the levee crest, and as deep as 110 cm near the base of the old river bank (see Figure 6.20). Most of the Late Archaic material originated on, or very near, the Bt surface (see Figure 6.25).

That surface was probably exposed during the initial visit to Neuse Levee, and it appears to have been an occupation floor at that time. All of the cultural features occurred at, or originated in, the Bt. In addition, many of the Late Archaic tools were discovered lying horizontal directly on the surface of that soil horizon (see Figure 6.6).

A comparison of diagnostic artifact frequencies with overall frequencies suggests that at least two Late Archaic components may be present. The 61–70–cm level contains the highest number of Savannah River hafted bifaces, even though that level contained significantly fewer artifacts overall than did subsequent excavation levels (see Figure 6.26). Also, hammerstones/battered cobbles and cores are absent from the 51–70-cm levels, while they are plentiful in the sub-70-cm levels (Tables 6.13 and 6.14). This suggests that the material deposited in the upper levels of Zone II may represent different, and perhaps less focused, activities.

This evidence notwithstanding, the overall distribution signal of vertical artifact frequencies for Zone II could be created by a single occupation that was focused at the 81–90-cm level, which is the average depth of the Bt surface (see Figure 6.25). This would place the majority of the Late Archaic material within 20 cm of the occupation surface. The vertical distribution of hafted perforators and bihafted scrapers is additional evidence that a single occupation may be responsible for the Late Archaic component.

Most of these objects were found in the lower levels, many of them directly on the Bt surface, but they occur in the upper portion of Zone II as well (Figure 6.6; see Tables 6.13 and 6.14). The unique nature of these items, in terms of their morphology and suspected function, strongly suggests that all examples of these tool classes were in use at the same time (see below).

Taking all of the evidence into account, it appears that the vast majority of the cultural material in Zone II is attributable to a single Late Archaic occupation. The site may have been revisited one or more times later in the period, at which time a few Savannah River hafted bifaces and a minor amount of other debris was deposited. The character of the overall assemblage, however, is assumed to reflect the activities that occurred during the initial habitation. The following discussion is based on that assumption.

As mentioned above, the surface of the Bt horizon appears to have been an occupation floor during the first prehistoric visit to the site. The river was much closer to the site at that time, and the Late Archaic occupants made use of the levee crest as well as the river bank.

Table 6.13. Lithic Artifacts Associated with the Lower Late Archaic Levels (71+ cm) at Neuse Levee.

	Rhyolite	Quartz	Quartzite	Chert	Gneiss	Sandstone
Hafted Bifaces	12					
Hafted Drills	1					
Hafted Scrapers	1					
Hafted Perforators	6					
Bihafted Scrapers	15					
Preforms	4					
Bifaces	5					
Utilized Flakes	13	2	1			
Manos					1	
Hammerstone/Battered Cobbles	1	4	1			1
Cores	11	2	2			
Tested Cobbles	1					
Debitage	7,237	104	38	13		1
FCR	3	175	23		1	2
Unaltered Cobbles	292	73	5		79	1
Subtotal	*7,602*	*360*	*70*	*13*	*81*	*5*
TOTAL						8,131

* Does not include the self-evident raw material for soapstone (n=3) and ochre (n=3).

Table 6.14. Lithic Artifacts Associated with the Upper Late Archaic Levels (51-70 cm) atNeuse Levee.

	Rhyolite	Quartz	Quartzite	Chert	Jasper	Gneiss
Hafted Bifaces	6					
Hafted Perforators	1					
Bihafted Scrapers	6					
Preforms	3					
Bifaces	5					
Utilized Flakes	3					
Debitage	1,123	50	4	11	1	
FCR		77	3			1
Unaltered Cobbles	84	46				18
Subtotal	1,231	173	7	11	1	19
TOTAL						

* Does not include the self-evident raw material for mica (n=2), and ochre (n=1).

A dense concentration of large rhyolite debitage was discovered in the southern portion of the site on the ancient bank; another dense cluster of large flakes was found on the levee crest north of the first concentration (see Figure 6.21). These areas were used for the primary reduction of river cobbles that were almost certainly obtained from the river bed and bank. Many of the flakes can be refitted, and it appears that the Late Archaic debitage originated from a relatively small number of large cobbles (Figure 6.28).

Other than the lithic reduction stations, specialized activity areas cannot be discerned. Lithic tools were scattered throughout the levee without apparent pattern or association (see Figure 6.6). Two of the five cultural features, Features 5 and 6, were associated with the lithic reduction stations. The remaining three features are spread across the levee. Features 2 and 3 were small clusters of FCR and unaltered cobbles, and Feature 4 was a small pit that lack cultural and subsistence-related organic material. The origin and function of these features is unknown.

No hearths were encountered, and the FCR assemblage is relatively small and scattered. There is also a paucity of artifacts associated with food processing, such as pestles, nutting stones, and metates. The artifact classified as a mano is possibly associated with food grinding, but it is also possible that this item was used for grinding and smoothing in some other capacity (Figure 6.29). This lack of domestic debris suggests that the purpose of the site was other than extended occupation for living purposes.

The technological data indicate that Neuse Levee may have been a Late Archaic work area that involved specialized labor-intensive activities. Two unique tool types are present in significant numbers. The first is a bifacial scraper (n=21) that has been worked on opposite ends to create a hafting element on each pole; they are referred to as bihafted scrapers (Figure 6.30). Many specimens are complete, the others are fragments that are inferred to belong to this class because of their technological and morphological similarities to the complete examples. All 21 specimens are rhyolite.

These tools are roughed-out bifaces that exhibit tapered hafting elements; the base of the hafting element is straight or convex. Lengths range from 4 to 8 cm, and they are between 2 and 3.5 cm wide. Sizes grade from small to large; there are no specific size classes, however. Use wear is evident on most specimens in the form of step fractures that are indicative of especially heavy scraping. Some specimens exhibit use-wear on one face of one edge. Use wear on others occurs on one face of both edges. In those cases, it is always on the same side of the tool.

Bihafted scrapers appear to have been used in a fashion similar to drawknives. It is thought that handles were placed at both poles, and the implement was drawn toward the user. It is suggested that they were used to shape wood, and/or to remove bark.

The second type of unique tool associated with the Late Archaic component is a hafted perforator (n=7). These objects exhibit a hafting element and a very sharp tip (Figure 6.31). They are ovate in plan, and superficially resemble Morrow Mountain points. Five examples found at the site are bifacially retouched flakes that retain some of their flake morphology. The other two are bifaces. All of the specimens are manufactured from rhyolite.

The Neuse Levee hafted perforators are 3–6.5 cm in length, and they range from 2.5 to 3.5 cm in width. They exhibit a distinctively crafted pointed tip that attests to their intended function as a perforator. The hafting elements are tapered, and the base is convex.

One hafted drill is included in the Late Archaic inventory. It appears to be fashioned from a Savannah River PP/K, as is the only hafted (non-bihafted) scraper associated with that assemblage (Figure 6.4j, k).

Many of the utilized flakes are exceptionally large and exhibit deep step fractures on at least one edge (Figure 6.32). Some of these objects are unspecialized flakes, while others are blades. These items appear to also have been used in a heavy-duty capacity, probably for woodworking purposes.

Figure 6.28. View of Reconstructed Quartzite Cobble from Neuse Levee.

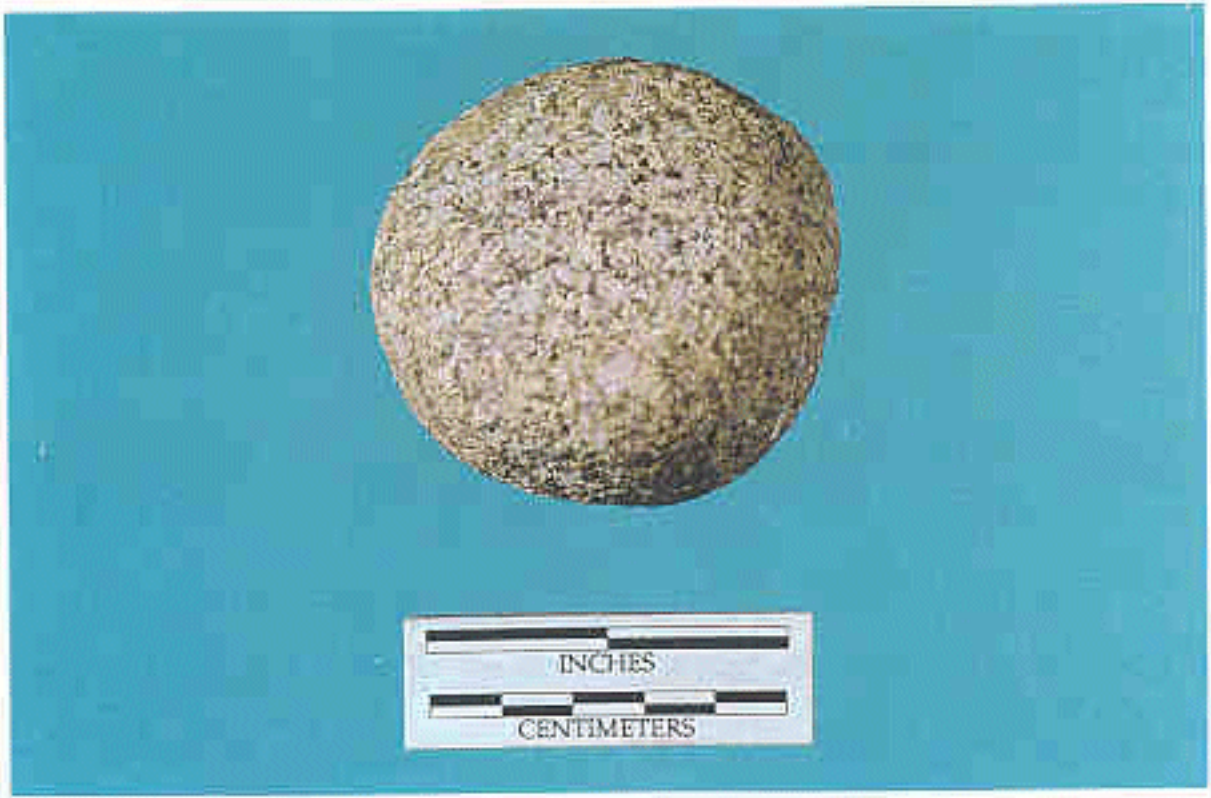


Figure 6.29. Mano Recovered from Neuse Levee during Data Recovery Investigations.

Figure 6.30. Bifacial Scrapers Recovered from Neuse Levee during Data Recovery Investigations.

Figure 6.31. Hafted Perforators Recovered from Neuse Levee during Data Recovery Investigations.

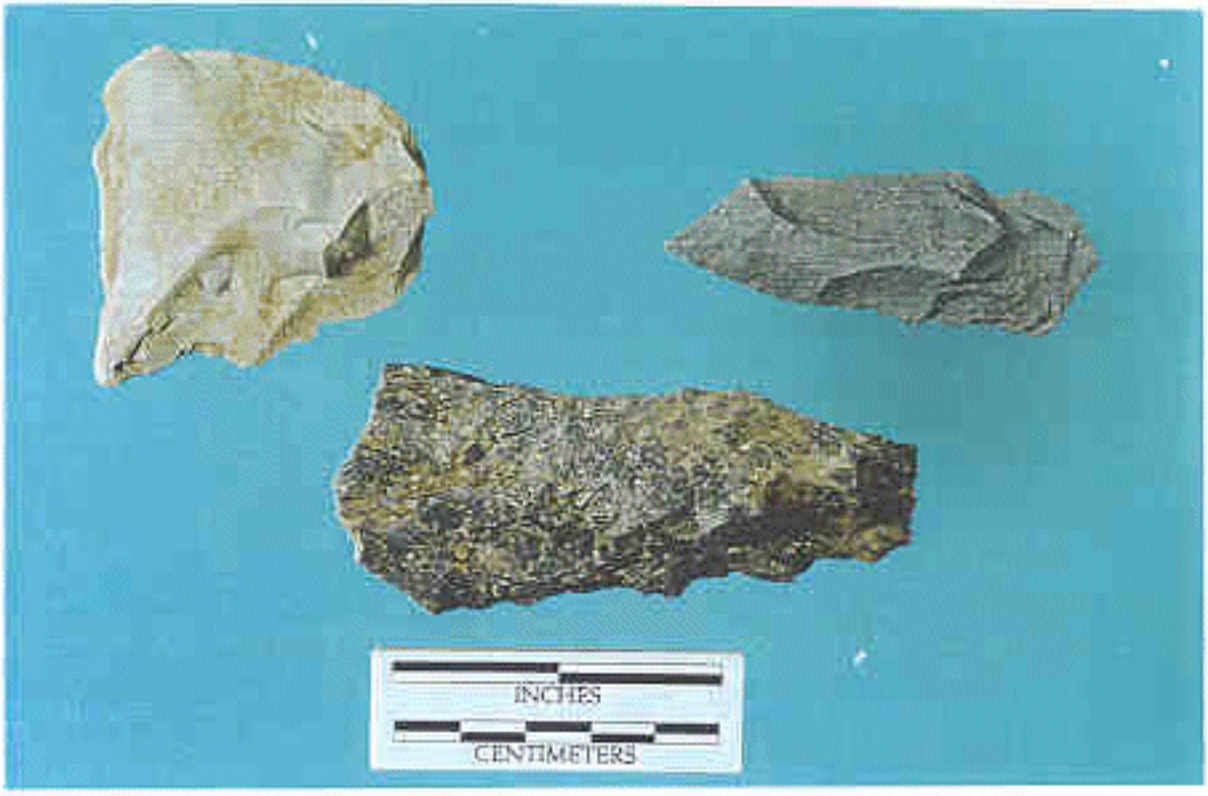


Figure 6.32. Utilized Flakes Recovered from Neuse Levee during Data Recovery Investigations.

Ten non-hafted bifaces, all of them rhyolite, are present (Figure 6.33). Some examples are "hump-backed" and retain a dorsal ridge (Figure 6.33e). Others appear to be medial fragments of lanceolate forms, while one specimen is a broken bipointed example that is similar in form to the bihafted scrapers (Figure 6.33b–d, a). There is no evidence that the distal edge has been prepared for hafting, however.

Finally, seven rhyolite Savannah River preforms were recovered during data recovery. That assemblage consists of proximal and distal sections of both early- and late-stage preforms (Figure 6.34). All of the Savannah River preforms and PPKs are large specimens that probably served as knives, and perhaps prying tools, rather than spear points. Evidence that large Savannah River hafted bifaces functioned in this capacity has been reported by Elliott et al. (1994), Stanyard (1997), and others.

Based on the types and numbers of tools present, as well as the lack of evidence for domestic activity, it is suggested that the Late Archaic component is primarily associated with an intensive short-term episode that involved some degree of woodworking and, perhaps, other labor-intensive activities. The site is thought to have functioned as a work area, perhaps to gather construction material for canoe-building or repair. The presence of perforators adds some degree of support for this contention, as these tools were probably used to pierce hide and/or bark. This would be necessary if hide or bark canoes were being built or repaired.

It is also possible that wood was being gathered and prepared for use in some other type of construction occurring elsewhere, and the perforators were used to satisfy some unknown need. The lack of large wood-cutting implements such as celts and axes is not problematic because these valuable objects would have been removed when the work was complete.

Whatever activity was of primary focus, it is evident that most of the tools deposited at Neuse Levee during that episode were produced, used, and discarded at the site. This contention is based on two factors. The first is that some of the tools recovered are broken. The second concerns raw material. The colors and textures of the rhyolite used to make the tools are identical to the colors and textures of the cores and debitage (see Chapter 10).

Finally, four radiocarbon dates were obtained on charcoal recovered from the Bt/Bw interface and the surficial layer of the Bt (Figure 6.35; see Chapter 11). The most recent date is 3700±60 B.P., and the earliest is 3840±90 B.P. The calibrated dates on the samples indicate that the site was occupied sometime around 2200 B.C. As discussed above and in Chapter 11, the tight date cluster had considerable overlap, adding further support to the argument that a single occupation is responsible for the majority of the Late Archaic material.

Figure 6.33. Bifaces Recovered from Neuse Levee during Data Recovery Investigations.

Figure 6.34. Savannah River Preforms Recovered from Neuse Levee during Data Recovery Investigations.

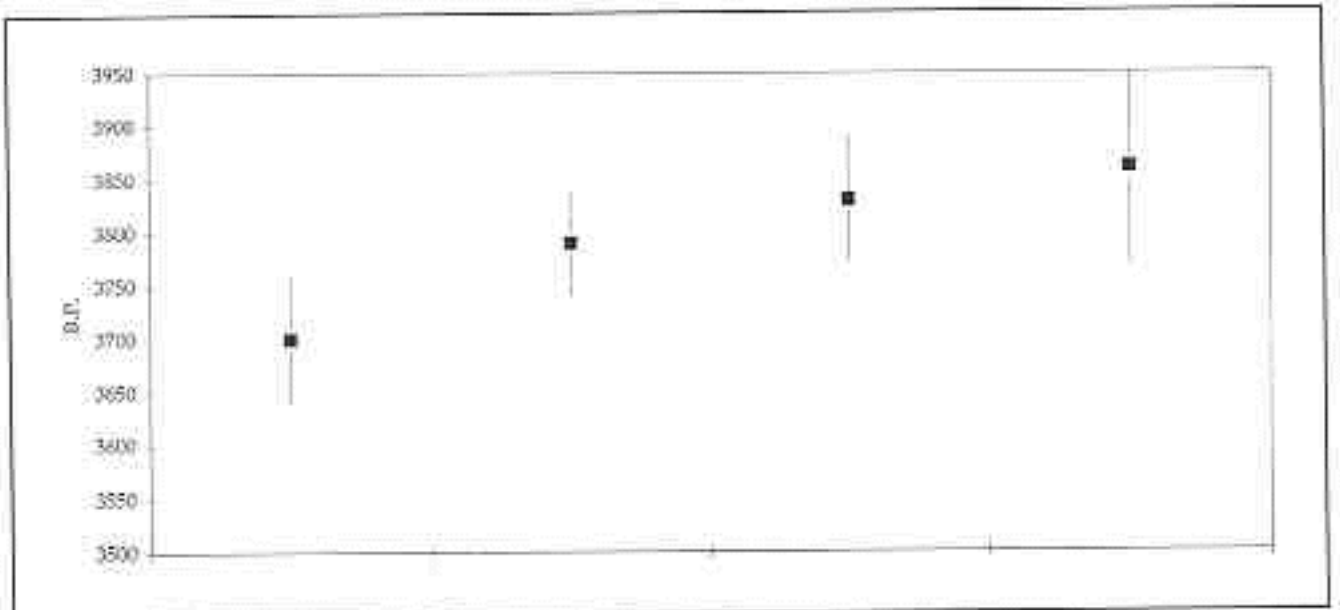


Figure 6.35. Radiocarbon Dates Obtained on Charcoal Recovered from the Late Archaic Occupation Zone (Zone II).

7. ETHNOBOTANY (Andrea B. Shea, M.A.)

INTRODUCTION

Botanical samples were examined from two contexts. The first was flotation samples recovered from four features and processed through a flotation system. The fractions were examined for charred ethnobotanical remains. A second set of samples was drawn from a level context during excavation and, after species identification, was submitted for radiocarbon dating. All of the samples were radiocarbon dated to the same time. A small assemblage was identified containing very low frequencies of charred wood and nut fragments, but no plant seeds or animal remains were found.

METHODS

Flotation samples were processed through a flotation system that collected the heavy and light fractions in 1/16-inch (0.0625-inch) screens. Both fractions were allowed to air-dry, then stored in acid-free bags.

The heavy fraction portions greater than 2 mm were examined through a magnalight for charred seeds or nut fragments. The light fractions were sieved through 1-mm and 2-mm screens. All charred plant remains were removed from the entire light fraction (using magnalight and microscope). Charred wood fragments were taken only from the portion of the light fraction greater than 2 mm.

Seed and nut identifications utilized the ethnobotanical collection held by TRC and reference materials (Martin and Barkley 1961; Montgomery 1978).

RESULTS

Flotation Samples

Seven samples from Features 3, 4 (4 subsamples), 5, and 6 were processed through the flotation system. Table 7.1 details the remains identified.

Sixty-three fragments of charred wood, bark, nuts, and nut husks were found in the four features. In addition to oak (n=4), pine (n=33), and porous-diffuse wood (n=2), identifications included bark (n=15), hickory nut (n=8), and hickory nut husk (n=1).

The limited results of the flotation provide some insights into the features. If the artifacts are divided into fuel and food, pine is consistently present across the features (Table 7.2). Oak appears only in Features 4 and 5 in Block A. Bark is confined to various samples from Feature 4. Hickory nuts and husks also appear in all of the features except Feature 6. The persistent mix of fuel and food would seem to suggest some consistency in the utility of the features. Additional suggestions about the character of the features emerge as the ethnobotanical evidence is combined with the lithic findings (see summary).

Botanical/Radiocarbon Samples

Four carbon samples were collected (Table 7.3). No samples were taken from features, as no feature material was of sufficient size for dating. The samples were collected by hand from general level

Table 7.1. Charred Remains Recovered from 31WA1137, Light Fractions.

Provenience	Bag	Description	Fragments
Fea. 3, TU 20	?	Wt.=.1 grams	
		Pine (*Pinus* sp.)	15
		Hickory nut (*Carya* sp.) <.1 g.	4
		Residual (.3 grams)	
Fea. 4, NW1/4, Zone B	552	Wt.=.2 grams	
		Pine (*Pinus* sp.)	5
		Oak (*Quercus* sp.)	2
		Bark	2
		Residual (.6 grams)	
Fea. 4, TU 33, SW1/4, Zone B	554	Wt.=.4 grams	
		Pine (*Pinus* sp.)	3
		Diffuse porous	2
		Bark	8
		Hickory nut (*Carya* sp.)	1
		Residual (1.5 grams)	
Fea. 4, TU 33, NE1/4	551	Wt.=.1 grams	
		Pine (*Pinus* sp.)	5
		Hickory nut (*Carya* sp.) .1 g.	2
		Residual (.4 grams)	
Fea. 4, TU 33, SE1/4, Zone A		Wt.=.1 grams	
		Bark	5
		Hickory nut husk (*Carya* sp.)	
		Residual (.2 grams)	
Fea. 5	555	Wt.<.1 grams	
		Pine (*Pinus* sp.)	3
		Oak (*Quercus* sp.)	2
		Hickory nut (*Carya* sp.) <.1 g.	1
		Residual (.5 grams)	
Fea. 6	556	Wt.=.1 grams	
		Pine (*Pinus* sp.)	2
		Residual (.1 grams)	

sediments in good context. Although all samples were small, they generally consisted of firm wood samples ranging up to 2 cm in length. They were first submitted for botanical identification, and then to Beta Analytic for AMS dating (see Chapter 11). All of the samples were from the lower Archaic cultural horizon in Block B.

SUMMARY

Botanical specimens from seven samples were processed from four features. The frequency of charred wood was very low. All of the features except Feature 6 contained fuel wood and also food items (hickory nut fragments). Feature 6 only contained two fragments of pine, botanically an extremely

Table 7.2. Horizontal Distribution of Ethnobotanical Artifacts as Viewed from the River.

	Block A					Block B		Total
	F4 NW	F4 SW	F4 NE	F4 SE	F5	F6	F3	
Pine	5	3	5		3	2	15	33
Diffuse porous wood		2						2
Oak	2				2			4
Hickory nut/husk		1	2	1	1		4	9
Bark	2	8		5				15
Total	9	14	7	6	6	2	19	63

Table 7.3. Botany of Radiocarbon Samples Viewed from River.

Sample	East	North	Depth, cm	Stratum	Species ID	Wt. (g)	Fragments
C14-2	126	97	70–80	3.3	Pine	0.9	6
C14-1	126	95	74–79	5.1	Hickory Nut Shell Pine	0.5	6
C14-3	124	95	68	3.1	Pine	3.9	14
C14-4	127	94	80–90	3.4	Pine	0.5	1

ephemeral feature. Feature 4, which was sampled in four separate quadrants, contained the largest amount of material (n=36). It also contained the broadest variety of material, including the only porous-diffuse wood.

The radiocarbon samples were all of pine wood, except for one sample that contained hickory nut shell. The exceptional similarity of the dates suggests that the carbon might have been from the same burning incident. The only counter-argument is that hickory nut was found in one of the samples, so the pine-hickory nut combination could represent a similar feature (see above).

8. CERAMIC ANALYSIS

INTRODUCTION

In this and the following chapter the characteristics of Neuse Levee ceramics and lithics are examined. This is done in each technological domain through a series of tables that lay out the relationships between attributes and vertical depth from the surface. After these one-dimensional issues have been examined, attributes are evaluated in aggregate by a multidimensional model that allows interaction of the properties of technologies, time, and sites in the Neuse Fall Line region.

As might be expected in a Fall Line situation, the ceramics from Neuse Levee (31WA1137) demonstrate influences from both the Piedmont and Coastal Plain. Some of the ceramics conform to descriptions of the Yadkin series previously described in North Carolina and the surrounding regions (Anderson 1996; Coe 1964; Espenshade 1986; Marshall 1988). Others resemble more the Deep Creek and Mount Pleasant series from the Coastal Plain (Phelps 1983). The intermediate location of the site between the Coastal Plain and Piedmont makes the assemblage an interesting study in two technologically similar but apparently functionally different types. Comparative materials were excavated at three Early Woodland-period sites (31WA1376, 31WA1390, and 31WA1380) on Wakefield Creek, which contained exclusively Yadkin series pottery. Yadkin ceramics bear mostly fabric-impressed surface treatments and are frequently tempered with crushed quartz, a technology that endures in variant forms from the Early to Late Woodland periods. A small number of Neuse Levee sherds from the Early Woodland levels were net-impressed.

In this chapter the characteristics of the Yadkin, Deep Creek, and Mount Pleasant ceramics are reviewed. The attributes of the Neuse Levee ceramics are analyzed relative to trait complexes and vertical distributions in the site. The findings are compared with the Wakefield sites, for which a comparable data set is available.

REGIONAL CERAMICS SURVEY

Yadkin Series

Coe (1964) described a ceramic chronological sequence, in which pottery of the Yadkin series is characterized by crushed quartz temper, fabric-impressed and cord-marked surface treatments, and smoothed interiors. In Coe's sequence the Yadkin series was preceded by the Badin series, which is similar to Yadkin pottery but tempered with fine sand (Coe 1964:28–30). Based on stratigraphic succession at the Doerschuk site (31MG22), Coe assigned Badin to the Early Woodland and Yadkin to the Middle Woodland period (A.D. 600–1000). More recent research has modified the temporal range of the series and outlooks of the relationship of the two technologies. For example, Yadkin series pottery has been recovered from the earliest Early Woodland sites in the North Carolina Piedmont (see below). Badin pottery has proven to be rather uncommon compared to Yadkin pottery in the Piedmont, although difficulty in applying the type as it was originally defined has complicated the issue.

It seems likely that Badin and Yadkin as they are defined are better thought of as different technological nodes within the same cultural system, with the differential occurrence of attributes (crushed quartz vs. fine sand) explained by long-term shifts in technology in response to changing environmental and subsistence conditions. These shifts were not directional but oscillated between poles of the technological continuum (Idol 1998; Lilly and Gunn 1996). Such an oscillation might be present at Neuse Levee (see below). What seems clear is that one cannot define a clear break between Early and Middle Woodland

periods solely on the basis of ceramic sherds. Late Yadkin pottery (as at the Town Creek site [Coe 1995:154]) may persist into the Late Woodland, and typologically blends with subsequent early Uwharrie pottery. Thus, the attributes that comprise Badin/Yadkin pottery are an important source of variation for further study, rather than type/index "fossils" whose chronological position is inviolable (Badin does precede Yadkin at Doerschuk, but that represents just one variation out of many that are possible). At any rate, the Early Woodland as commonly defined in Piedmont North Carolina encompasses an extensive time span (ca. 500 B.C.–A.D. 500/600), and local variation in ceramic attributes is expectable due to localized time/energy constraints and subsistence needs (Table 8.1).

Dates associated with Yadkin series pottery from 38SU83 in Sumter County, South Carolina, are 180±70 B.C. for Yadkin cord-marked and 380±80 B.C. and 520±70 B.C. for Yadkin simple-stamped and check-stamped from an associated ceramic feature (Blanton et al. 1986: 146–147). Claggett and Cable (1982) report an uncalibrated date of 240±95 B.C. associated with Yadkin fabric-impressed and cord-marked ceramics from 31CH8. The earliest reported associated date for the Yadkin series in the northwest central Piedmont comes from the E. Davis site (31FY549), where charcoal from a rock-filled pit containing Yadkin fabric-impressed pottery yielded an uncalibrated date of 220±80 B.C. (Davis 1987). Herbert (1997:12) points out that the Yadkin series linear check-stamped minority ware observed at Doerschuk could be related to the southern sand-tempered and linear check-stamped Deptford series (500 B.C.–A.D. 500), which is found as far north in the Coastal Plain as New Hanover County.

Table 8.1. Time Distribution of Yadkin Exterior Surface Decoration.

Date (B.C.)	Cord	Fabric	Stamped
100			
200	XX	XX	
300			
400			X
500			X

Deep Creek–Mount Pleasant

The Yadkin series resembles the Middle Woodland Onslow and Mount Pleasant series in the North Carolina Coastal Plain (Anderson 1995:272), although Late Middle Woodland as well as Early Woodland dates have been reported for this material. Herbert (1997:11–18) has launched a long-term project to date Coastal Plain ceramics, supplementing the usual radiocarbon method with direct dating of sherds by thermoluminescence (TL). Several new dates by both TL and radiocarbon methods are allowing refinements of the Coastal Plain pottery chronology. In the third and second millennium B.C., in the Terminal Archaic, fiber-tempered Stalling series and sand-tempered Thoms Creek ceramics spread from the Savannah River northward along the coastal zone as far as the Virginia boarder; Thoms Creek is seldom found beyond the Cape Fear River. At a later date (1200–800 B.C.) the soapstone-tempered Marcey Creek series and grog-tempered Croaker Landing series appeared around Chesapeake Bay. Marcey Creek is found occasionally as far south as the southern North Carolina Coastal Plain, while Croaker Landing is confined north of Albemarle Sound. The limestone/marl-tempered Hamps Landing series has recently been defined in the lower Cape Fear River, with a comparable Wando series in northern South Carolina. Dates range from the late third millennium into the early second millennium (Abbott et al. 1998).

Pertinent to the Neuse Levee ceramics are the Early Woodland series, which appear in the first millennium B.C. The Neuse River frequently forms a permeable boundary between the northern and southern Coastal Plain, apparently because of the differences in habitat to the north (embayed, according to Mathis [1998] and Phelps [1983]) and south (steeper coastal zone and continental shelf). On the southern Coastal Plain, thin (6–8 mm), coarse, sand-tempered New River series and fine sand Cape Fear

series ceramics date to the first millennium B.C., although Cape Fear dates may be extended to much later (Herbert 1997:38–39). New River surface treatments, in declining order of dominance, were cord, fabric, plan, simple-stamped, and net. North of the Neuse River the thick (>10 mm), coarse sand–tempered Deep Creek series (2000–300 B.C.) (equivalent to New River) appears in cord-marked, fabric-impressed, simple-stamped, and net-impressed variants. Deep Creek ceramics are found with Gypsy points (Phelps 1983:31). Three Deep Creek subperiods were distinguished by Phelps (1983:31) based on the transitional predominance of cord marking to simple stamping. The sand temper is said to be "sandy to the touch," (equivalent to unsmoothed/roughly smoothed in Neuse Levee codes) (Loftfield 1976:149). The only radiocarbon date on Deep Creek is from a net-impressed vessel recovered from under a wooden canoe in Lake Phelps: 900±60 B.C. radiocarbon (1120 B.C. calibrated) (Herbert 1997:37). A TL date of 1221±436 B.C. obtained on a coarse sand–tempered cord-marked Deep Creek sherd confirms the radiocarbon date on the series. These dates could well indicated the age of the net-impressed wares from Neuse Levee.

On the Coastal Plain, Middle Woodland (200 B.C.–A.D. 900) evolves around a more dispersed settlement pattern of smaller sites than in the Early or Late Woodland (Herbert 1997:13), and is accompanied by the appearance of conical-based jars suggesting cooking of food (Herbert 1997:14). Low sand mounds containing burials (see prehistoric background) also figure into this pattern. In the south, Deep Creek temper shifts from coarse to medium sand, and simple stamping is expanded to include cord-, fabric-, and net-wrapped paddling. Sand-tempered Cape Fear shares the southern Coastal Plain with grog-tempered Hanover series (200 B.C.–A.D. 500); new results suggest Cape Fear could extend into Late Woodland, or perhaps not exist in the Middle Woodland. In the Late Woodland [Herbert 1997:29–32]) a complementary pattern of cord and fabric impression appears between Hanover and Cape Fear (Herbert 1997:14). In the north, sand- and grit-tempered Mount Pleasant series (200 B.C.–A.D. 500, perhaps to Late Woodland as with Cape Fear) ceramics acquire an enlarged granule and pebble component in temper. The Mount Pleasant series bears ill-defined relationships to Cape Fear, Vincent, and Stoney Creek (Herbert 1997:16). (Because of the sand-to-grit sequence in the Neuse Levee ceramics, Mount Pleasant seems the best fit for the Neuse Levee ceramics, discussed below.) The shell-tempered Mockley series (A.D. 200–900) appears on the northern Coastal Plain and has a net-impressed variant along with cord marking.

The Late Woodland (A.D. 900–1600) settlement pattern on the Coastal Plain aggregated into large villages, hamlets, and seasonal camps, with large sites where agriculture, hunting and gathering, and fishing could all be practiced. Shell-tempered Collington series is found in the Coastal Zone. In the Coastal Plain appear sand and pebble Cashie series (A.D. 800–1650) with fabric-impressed, simple-stamped, incised, and plain variants. Pebbles sometimes are large enough to protrude from both the interior and exterior aspects of vessels. The series is thought to be related to Roanoke-area Gaston simple-stamped and Virginia Branchville and Sturgeon Head series.

Further afield, the Yadkin series also resembles the fabric-marked and cord-marked quartz-tempered Dunlap series to the southwest of the study area in Georgia and the Swannanoa series in the Appalachian Summit region, which is associated with much earlier dates than those obtained in the North and South Carolina Piedmont (Eastman 1994:59). It is difficult to distinguish the Yadkin series from the Vincent and Clements series in Coe's (1964:101–104) published description.

Net-Impressed

Twelve sherds of net-impressed ceramic were found at Neuse Levee. Net-impressed wares are prominently featured in the Early Woodland assemblages in the Chesapeake Bay region and occasionally appear in other regions at other time periods to the south as far as the Savannah River (Table 8.2). Around Chesapeake Bay Egloff and Potter (1982) report that net impressions appear on generally coiled ceramics with shell- or sand-tempered "flat bottom jars" (700±100 B.C.; Egloff and Potter 1982:97), ferruginous sand-tempered Popes Creek Net-Impressed (350±150 B.C.; Egloff and Potter 1982:99), pebble- (2–12 mm) tempered Prince George knotted net ware (350±150 B.C.; Egloff and Potter

1982:103), shell-tempered Mockley Net-Impressed (550±350 B.C.; Egloff and Potter 1982:103), and Potts Net-Impressed (Mockley Net-Impressed; Egloff and Potter 1982:107). The crushed-quartz– and sand-tempered Stoney Creek ware has net impressions (500±300 B.C.; Egloff and Potter 1982:99) and is cross-referenced with Vincent and Clements (Coe 1964).

Table 8.2. Time-Province Distribution of Net-Impressed Ceramics.

	Virginia	Northern Coastal Plain	Southern Coastal Plain
Late Woodland	X		
Middle Woodland		X	
Early Woodland	X	X	

No net-impressed variants are reported for the round quartz- (2-mm) tempered Nomini ware (A.D. 800±100; Egloff and Potter 1982:105–106; it resembles Mockley net-impressed but has no knots), crushed-granite– and gneiss-tempered Hercules ware (A.D. 550±350), fine crushed-shell–tempered Townsend (Rappahanock) ware (A.D. 1300±300; Egloff and Potter 1982:109), pebble- (2–5 mm) tempered Cashie ware (A.D. 1300±150; Egloff and Potter 1982:109), subangular quartz- (2–5 mm) tempered Gaston ware (ca. A.D. 1700), shell tempered Roanoke ware (A.D. 1200±400; Egloff and Potter 1982:109; Phelps' [1981] Colington series), crushed-quartz–tempered Potomac Creek ware (A.D. 1450±150; Egloff and Potter 1982:112), micaceous sand mixed with crushed-quartz–tempered Moyanone ware (1450±150; Egloff and Potter 1982:112), shell-tempered Yeocomico ware (1550±50; Egloff and Potter 1982:114), untempered Camden ware (ca. A.D. 1660; Egloff and Potter 1982:114), silt-tempered Curtland ware (A.D. 1610±50; Egloff and Potter 1982:114), or Colono ware (A.D. 1620±50; Egloff and Potter 1982:114).

As in the Chesapeake Bay region, net impression did not survive into the Late Woodland period on the Coastal Plain of North Carolina (Phelps 1983:36), nor did it precede the Late Archaic Stallings, Thoms Creek, or Marcey Creek ceramics. The Stallings–Thoms Creek wares extend north to the Neuse River in the Coastal Plain, and a few northern-originating Marcey Creek sherds are found north of the Neuse River in North Carolina (Phelps 1983:29). Net impression was a prominent feature of the Early Woodland (>1000–800 B.C.), and Middle Woodland (800 B.C.–A.D. 200) Deep Creek I ceramics have some net impression. However, Deep Creek II (800 B.C.–A.D. 200) appeared with an increase in net impression (Phelps 1983:31), which continued through Middle Woodland (A.D. 200–800) Deep Creek III. From the Deep Creek series the technique was passed on to the Late Woodland Mount Pleasant series. Mount Pleasant is characterized by highly varied temper, including sand, grit, and pebbles (Phelps 1982:32), and possibly a greater frequency of net impression. As in the Middle Atlantic Coastal Plain, net impression disappears in the Late Woodland. Contrary to this trend, the Late Woodland Dan River Phase in the Piedmont continues net impression as a majority surface treatment (Ward 1983:76).

Along the Coastal Plain, both fabric and net impression decline in frequency to the south and disappear altogether north of the Savannah River (Phelps 1983:31). In the Piedmont, at Doerschuk, Coe (1964:29) reports 246 net-impressed sherds, and 161 more from one Dan River pot. He dates Dan River Net-Impressed to A.D. 1650 and Uwharrie Net-Impressed to A.D. 1500. Oddly, Coe did not report net-impressed ware from the Gaston site.

To summarize, net impression clearly has its focus around the Chesapeake Bay area during the Early Woodland, with a diminishing frequency toward the south. In fact, the lower Neuse River is considered a cultural boundary as early as the Early Woodland (Phelps 1983). Net impression also appears as an important Piedmont decorative technique in the very Late Woodland on the upper Dan River (Davis 1987; Ward 1983). That the Neuse Levee net-impressed ware occurs with an Eared Yadkin (ca. 500 B.C.), two large triangular, and two small triangular points, suggests that it is of Early Woodland vintage. It is stratified above a very Early Woodland Gypsy. Fabric impressions trend from fine fabric, apparently

again in the Early Woodland, to coarse in the Late Woodland (dated because of a predominance of Small Triangulars), although a large triangular was also found in the plowzone.

Although typological concordance between Piedmont and Coastal Plain researchers is desirable, it is equally important to focus on the various roles performed by ceramics within cultural systems. The methods used to analyze sherds are discussed in the methods chapter.

NEUSE LEVEE CERAMICS

At Neuse Levee 199 sherds and sherdlets (<2 cm) were recovered during Phase III investigations. Of these, 105 (77 body, 24 rim, 4 base) were greater than 2 cm in diameter and were therefore subjected to further analysis (Table 8.3). Exterior surface treatments include fabric-impressed or fabric-smoothed (n=76, 72%) and a few unidentifiable treatments (n=17, 16%); no cord-marked specimens were recovered, but a dozen net-impressed (n=12, 11%) sherds were found together in the same level (E126 N190 S2.3 [33–43 cmbs]). Although they are treated as fabric-impressed in the following analyses, two heavily smoothed sherds could be net-impressed (see Figure 6.5e, f). They are important because they are not in the same unit as the dozen net-impressed sherds (e=E123 N95 S2.1 [20–30 cmbs], f=E126 N100 S2.1 [20–40 cmbs]). As such they suggest that the group of net-impressed sherds was not an isolated and possibly intrusive assemblage.

As is shown in Table 8.3, no significant relationship was detected between exterior treatment and vessel portion. A chi-square value probability of .908 indicates a completely random relationship between vessel portion and exterior treatment. This is in spite of a high proportion of vessel lips preserved (n=24, 22.9%), about twice as many as at the Wakefield Creek sites. Exterior treatment is frequently described as varying from one portion of a vessel to another (e.g., Davis 1987). At least relative to the exterior treatment attribute of the Neuse Levee ceramic assemblage, there is no reason to suspect that the analysis of exterior treatment is biased by over-representation of one or another portion of the vessels. It also suggests that the vessels were treated up to the lip in the same manner as on the body.

Except for the net-impressed and smoothed sherds, Neuse Levee ceramics are fabric-impressed (see Table 8.3). The fabric-impressed categories can be broken down further by subcategories. Fabric-impressed sherds were predominately fine Fabric III (n=28) or Fabric IV (n=25), although Fabric II (n=17) is relatively well represented. Similar to the Wakefield sites, the proportion of fine fabric (FIII+FVI) dominates the assemblage (n=52, 69.3%) of fabric-impressed sherds, although to a greater degree than at those sites (31WA1376, 54.2%; 31WA1390, 53.8%; 31WA1380, 57.1%).

A relatively clear time trend appears in the vertical distribution of ceramics (Table 8.4). The net-impressed ware is deep in the upper part of Stratum 2 and associated with a Gypsy point and Large Triangular points. Although coarse fabric-impressed ware appears occasionally throughout the vertical distribution, fine fabric patterns are clearly concentrated in the lower part of stratum 1.

Sherds were predominately tempered with <2-mm-sized angular or subangular quartz (n=68; 65%, Table 8.5). A smaller proportion of very coarse to coarse quartz (>2 mm) angular or subangular quartz (n=32; 31%) comprise most of the remainder of the assemblage. No apparent relationship was found between the angularity of the grains and temper size (p=.201), perhaps a function of the domination of the temper by essentially sand-size temper. Within the >2-mm-size range column, the observed values do shift from slightly less than to greater than expected values as angular crushed quartz becomes prevalent. This is as would be anticipated if large fragments of crushed quartz were selected for the tempering agent, leaving out the smaller fragments.

Table 8.3. Exterior Treatment x Vessel Portion Cross-Tabulation, Expected Values.

Exterior	Treatment		Vessel Portion				
			base	body + base	body	rim + lip	Total
FI	fabric r/visible warp	Count	0	0	5	1	6
		Expected	0.1	0.1	4.4	1.4	6
FII	fabric r/no visible warp	Count	0	0	14	3	17
		Expected	0.3	0.3	12.4	3.9	17
FIII	fabric f/visible warp	Count	0	0	19	9	28
		Expected	0.5	0.5	19.7	6.2	28
FIV	fabric f/no visible warp	Count	1	1	18	5	25
		Expected	0.5	0.5	18.3	5.8	25
	fabric smoothed	Count	0	0	1	0	1
		Expected	0	0	0.7	0.2	1
	uid r/smoothed	Count	1	1	11	1	14
		Expected	0.3	0.3	10.2	3.2	14
	uid	Count	0	0	1	1	2
		Expected	0	0	1.5	0.5	2
	net	Count	0	0	8	4	12
		Expected	0.2	0.2	8.8	2.8	12
Total		Count	2	2	77	24	105
		Expected	2	2	77	24	105

Chi-square=13.0, df=21, p=.908.

Table 8.4. Strata x Exterior Treatment Cross-Tabulation, Transformed.

Strata	Depth (cm)		Exterior Treatment				Associations
			Coarse Fabric	Fine Fabric	Net	Total	(st=small triangular, lt=large tri.)
1.10–1.20	0–10	Count	8	14	0	22	st st
(Plowzone)		Expected	5.8	13.3	3	22	
1.30–1.40	10–15	Count	6	3	0	9	st st lt
		Expected	2.4	5.4	1.2	9	Coarse Fabric
2.1	15–20	Count	3	31	0	34	Fine Fabric
		Expected	8.9	20.5	4.6	34	
2.2	20–25	Count	6	3	0	9	st st st
		Expected	2.4	5.4	1.2	9	
2.30–3.2	25+	Count	0	2	12	14	lt lt st st Net (33–43 cmbs)
	55–65	Expected	3.7	8.4	1.9	14	Gypsy (55–65 cmbs)
Total		Count	23	53	12	88	
		Expected	23	53	12	88	

Chi-square=95.7, df=8, p<.0001.

Sherd thicknesses ranged from 3.0 to 12 mm (mean=7.31 mm; SD=1.43) (Table 8.6), which places the majority of sherds in the sherd thickness range of coarse sand–tempered New River (6–8 mm), while a few sherds are in the >10-mm Deep Creek range. The majority of temper size observations is coarse to very coarse (>.50–2.00 mm) (n=64; 61.0%), with the grit in the granule category and into the still-larger pebble range.

Table 8.5. Temper Shape x Temper Size Cross-Tabulation, Transformed.

Temper Shape		Temper Size (mm)		
		<2.00	**>2.00**	**Total**
angular	Count	24	17	41
	Expected	28.1	12.9	41
subangular	Count	44	15	59
	Expected	40.5	18.5	59
subrounded	Count	4	1	5
	Expected	3.4	1.6	5
Total	Count	72	33	105
	Expected	72	33	105

Chi-square=3.2, df=2, p=.201.

Table 8.6. Maximum Sherd Thickness x Temper Size Cross-Tabulation.

Thickness (mm)		Temper Size (mm)				
		<.25–.50 f./medium	**.50–2.00 coarse/v.c.**	**2.00–4.00 granule**	**<4.00 pebble**	**Total**
<5.00	Count	2	5	0	0	7
	Expected	.5	4.3	1.5	.7	7
6.00	Count	2	14	4	1	21
	Expected	1.6	12.8	4.6	2.0	21
7.00	Count	1	24	7	4	36
	Expected	2.7	21.9	7.9	3.4	36
8.00	Count	1	13	8	1	23
	Expected	1.8	14.0	5.0	2.2	23
>9.00	Count	2	8	4	4	18
	Expected	1.4	11.0	3.9	1.7	18
Total	Count	8	64	23	10	105
	Expected	8.0	64.0	23.0	10.0	105

Chi-square=15.572, df=12, p=.212.

One of the hypotheses of interest to this analysis is that temper is pre-selected by size of the intended vessel (see Chapter 4, research design). To test this hypothesis, the cell sizes were augmented by reducing the number of states in each variable to two. This was accomplished by splitting the distribution in Table 8.6 above at the median. Although not strongly significant (Table 8.7), observed values do exceed expected values (shaded) and produce a correlation between vessel wall thickness and temper size. The .076 probability for the table is of the magnitude of <.05 commonly accepted as a lower bound of probability significance.

Table 8.7. Sherd Thickness x Temper Size Cross-Tabulation, Transformed.

Sherd Thickness (mm)		Temper Size (mm)		
		<3.00	**>4.00**	**Total**
<7.00	Count	48	16	64
	Expected	43.9	20.1	64.0
>8.00	Count	24	17	41
	Expected	28.1	12.9	41.0
Total	Count	72	33	105
	Expected	72	33	105

Chi-square=3.143, df=1, p=.076; Phi .17.

The general suggestion has been that temper coarsens from the Early to Middle Woodland. Although the frequencies are not impressive (Table 8.8), a subtle shift is evident from fine to coarse temper between the early and late strata.

Table 8.8. Stratigraphy x Temper Size Cross-Tabulation, Transformed.

Strata		Temper Size (mm)		
		>3.00	>4.00	Total
1.20	Count	21	10	31
	Expected	21.3	9.7	31
1.30	Count	2	7	9
	Expected	6.2	2.8	9
2.10	Count	26	13	39
	Expected	26.7	12.3	39
2.20	Count	9	2	11
	Expected	7.5	3.5	11
2.30	Count	14	1	15
	Expected	10.3	4.7	15
Total	Count	72	33	105
	Expected	72	33	105

Chi-square=14.2, df=4, p=.007.

A time trend is also evident in the interior treatment of sherds (Table 8.9). Sherd interiors were plain (n=18), plain to uniformly smoothed (n=35), unsmoothed (n=31), and scraped and/or scraped-smoothed (n=18). Observed values trend from early scraping to smoothing in the later strata.

Table 8.9. Strata x Interior Treatment Cross-Tabulation, Transformed.

Strata		Interior Treatment				
		Scraped	Unsmoothed	Smoothed	Plain	Total
1.20	Count	2	10	15	4	31
	Expected	6.2	9.2	10.3	5.3	31
1.30	Count	3	1	4	1	9
	Expected	1.8	2.7	3.0	1.5	9
2.10	Count	3	12	13	11	39
	Expected	7.8	11.5	13.0	6.7	39
2.20	Count	1	7	2	1	11
	Expected	2.2	3.2	3.7	1.9	11
2.30	Count	12	1	1	1	15
	Expected	3.0	4.4	5.0	2.6	15
Total	Count	21	31	35	18	105
	Expected	21	31	35	18	105

Chi-square=53.451, df=12, p<.0001.

Collapsing the scraped and partially smoothed categories and the partially or completely smoothed categories provides a more valid probability estimate because fewer cells fall below the frequency of 5 threshold considered sufficient to avoid inflation of the chi-square value. The p=.007 supports sufficiently the contention that interior smoothing increases with time (Table 8.10).

Table 8.10. Strata x Interior Treatment Cross-Tabulation, Transformed.

Strata		Interoir Treatment		
		Scraped	Smoothed	Total
1.20	Count	12	19	31
	Expected	15.4	15.6	31
1.30	Count	4	5	9
	Expected	4.5	4.5	9
2.10	Count	15	24	39
	Expected	19.3	19.7	39
2.20	Count	8	3	11
	Expected	5.4	5.6	11
2.30	Count	13	2	15
	Expected	7.4	7.6	15
Total	Count	52	53	105
	Expected	52	53	105

Chi-square=14.100, df=4, p=.007.

The combined exterior and interior surface treatments and the vessel wall and temper size provide a relatively complete picture of a sherd from the manufacturer's point of view and from our perspective of a sherd as a randomly selected plug from vessel walls. How does the attention paid to these attributes change over time? The combination of variables changing with stratum suggests that multiple traits are shifting over time. The number of sherds from Neuse Levee is insufficient to sustain an analysis of variance, the preferred method of testing such relationships. However, a preliminary estimate of the strength of the relationships between the traits and time can be obtained by a linear regression. Except for exterior surface treatment, all of the variables have been transformed to binary states, or are linear, so the data are appropriate to the technique. Rather than further transforming exterior surface treatment, it can be thought of as a linear progression from net impression (3) toward fine (2) and then coarse (1) fabric impression.

The results of the regression indicate a statistically significant relationship ($p<.0001$) between time and the ceramic characteristics (Table 8.11). The standardized beta coefficients provide a relative sense of the contribution of the variables to change through time. Exterior surface treatment (beta=.45) is the most powerful indicator of change through time, while the temper size (–.14) and sherd thickness (.15) contribute equally small proportions to the change component. Interior treatment is not an important factor in this sample. As the 88 sherds in the analysis are of undetermined relationship to the population of all Woodland sherds, these figures can only be taken to mean that additional research in deeply stratified sites is necessary. The guiding question of that research should be whether the fabric grid of exterior surface treatment become larger over time along with the thickening of vessel walls. Interior surface treatment should also be examined in the context of a larger sample. Clustering with distant Yadkin and Deep Creek-Mount Pleasant materials could also be a useful aspect of the research.

Unlike the Wakefield Creek sherds, which were consistent in firing atmosphere and duration, the Neuse Levee sherds displayed a high variation in color from black to brown and yellow. One sherd (352-101) has half of a mend hole.

Although rim sherds were frequently found in the Neuse Levee assemblage (n=24, see Table 8.3), they were not especially informative. Most of the sherds were far too small to determine vessel form. With one exception, the lips were untreated. One rim sherd (466-101) contained a notched lip (Figure 6.5f). The temper and paste suggest Yadkin type, but the decoration could imply a Uwharrie (ca. A.D. 1000) association (S. Davis, personal communication, 1998). However, its location at 30–40 cmbs in stratum 2 suggests it was out of place or of Yadkin vintage. This was the only sherd in the assemblage that exhibited decoration (i.e., incising, notching, etc.). The exterior surface treatment could be fabric- or net-impressed, largely smoothed away.

Table 8.11. Regression of Exterior Treatment, Interior Treatment, Sherd Thickness, and Temper Size with Strata.

Regression	Unstandardized Coefficients	Standardized Coefficients		T-test	Significance
R=.49	B	Std. Error	Beta		
(Constant)	1.270	.83		1.524	.13
Temper Size	-.131	.10	-.14	-1.376	.17
Sherd Thickness	.136	.09	.15	1.464	.15
Exterior Treatment	.057	.01	.43	3.924	.00
Interior Treatment	-.059	.09	-.07	-.652	.52

ANOVA	Sum of Squares	df	Mean Square	F	Significance
Regression	4.308	4	1.077	6.501	<.0001
Residual	13.752	83	.166		
Total	18.061	87			

The Neuse Levee ceramic assemblage is highly varied, especially when compared to the uniformity found in the three Wakefield sites. The general lack of decoration and other specialized preparation, non-compact nature of the paste, and widespread fabric and net impression generally suggest an early ceramic assemblage rather than late.

NEUSE LEVEE CERAMIC TYPES AND FUNCTIONS

The Neuse Levee ceramics are consistently sand- and/or grit-tempered, and, with the exception of the dozen net-impressed sherds, are fabric-impressed. The assemblage, given its time ranges and characteristics, matches characteristics of the Piedmont Yadkin series. Because of its location in the Fall Line zone, consideration can also be given to the Coastal Plain types. In overview perspective the Neuse Levee sequence seems to follow the Deep Creek–Mount Pleasant sequence rather well. The radiocarbon dated net-impressed Deep Creek vessel from Lake Phelps along with associated Gypsy and Large Triangular points suggests a time of initial ceramic usage in the Fall Line region of about 1000 B.C. Subsequent fabric impression drifting from fine to coarse weave, and a concomitant increase in temper size, could all conform to the Mount Pleasant development. Similar trends have been noted in the Yadkin series with temper increasing in size as vessels shifted from nested bowls to storage pots.

Perhaps the most interesting contrast between Coastal Plain and Piedmont lies in the reported shift to large conical-based cooking vessels in the Coastal Plain. It is worthy of further research that the vessels at Neuse Levee have a great amount of soot, indicating cooking, while almost no sooting was found in the Wakefield Creek ceramics. The possibility has to be entertained that the Piedmont–Coastal Plain distinction between vessels for storage and vessels for cooking can be seen in the 7.2 km area between the broken terrain of Wakefield Creek and the flats surrounding Neuse Levee, or at least that this is the transition zone in which both are present. More broadly based studies with better access to vessel form would be very helpful in this regard. Such a contrast could also be generated locally by a settlement pattern involving permanent residences in broad floodplain areas such as at Neuse Levee and seasonal hunting and fishing camps in nearby broken terrain such as at Wakefield Creek.

A simple examination of the through-time ceramics characteristics can be constructed by plotting a cumulative sum of the ceramic traits against strata. If the ceramics are holding a constant relationship to each other—i.e., a type—the graph will increase at a constant rate. If the combination of traits changes, the graph line will change directions. By scaling all of the traits so that their numbers increase with time, changes in trait combinations will be marked as an inflection in the cumulative pattern. For the summing

of traits, interior treatment, thickness, and temper size were scaled as 1 for below the mean and 2 for above. Exterior treatment was scaled as 1=net, 2=fine fabric, and 3=coarse fabric. The cumulative graph shows the expected upward trend (Figure 8.1). The change in pattern of accumulation suggests a change of type at the stratum 1–2 interface, probably the transition from Early Woodland to Middle Woodland. A second change of pattern appears to be developing at about stratum 1.2. This could be a Late Woodland-related pattern developing.

In summary, net impression clearly has its focus around the Chesapeake Bay area during the Early Woodland with a diminishing frequency toward the south. In fact, the lower Neuse River is considered a cultural boundary as early as the Early Woodland (Phelps 1983). Net impression also appears as an important Piedmont decorative technique in the very Late Woodland on the upper Dan River (Davis 1987; Ward 1983). That the net-impressed ware occurs with an Eared Yadkin (ca. 500 B.C.), two Large Triangular, and two Small Triangular points suggests that it is of Early Woodland vintage. It is stratified above a very Early Woodland Gypsy point. Fabric impressions trend from fine fabric, apparently again in the Early Woodland, to coarse in the Late Woodland, as dated by the predominance of Small Triangulars, although a Large Triangular was also found in the plowzone.

NEUSE LEVEE AND WAKEFIELD CREEK SITES COMPARISONS

A comparison of the Neuse Levee ceramics and how they changed over time with those of the Wakefield Creek sites helps establish a relative set of characteristics and attributes between the sites. The attributes established as important over time were factored for all four sites. A binary variable for each site was included in the analysis to identify the characteristics of each site in the overall constellation of relationships. The depth (cmbs) to the bottom of the level in which sherds were located was used as a time indicator. To standardize depths across sites, the depth of each sherd was divided by the lowest depth of a sherd in that site. Sherd thickness, temper size, and exterior color (1=red, 2=brown, 3=yellow) were used to indicate the vessel, paste, and firing attributes of the sherds. Exterior treatment (1=fine fabric, 2=coarse fabric) and interior treatment (1=scraped/unsmoothed, 2=plain, smoothed) were used to indicate the nature of the customary vessel preparations. The analyzed sample was comprised of 257 fabric-impressed sherds. Net-impressed, cord-marked, and unidentifiable sherds were not considered. As was demonstrated above, the assemblage at Neuse Levee trends from earlier, fine fabric impressions to later, coarse marks. A table of these decimeter (1 dm=10 cm) depths with fine and coarse fabric shows that a significant ($p<.0001$) relationship between size of fabric impression and depth exists across all sites (Table 8.12). The subsequent factor analysis (Table 8.13) shows this relationship clearly along with others.

Five component patterns were detected by unrotated principal components analysis (SPSS 8.0). They accounted for 80% of the variance in the fabric-impressed ceramic data. Patterns 4 and 5 load uniquely for vessel exterior color and interior treatment. They bear little or no relationship to the time-space variables, and so indicate nothing about changes in time. Pattern 1 is largely related to Neuse Levee and 31WA1380. It detects a positive correlation between exterior treatment and temper size that is significant (Table 8.14). Pattern 2 shows that sherd thickness and temper size relate differentially to all four sites but not to the depth; i.e., there was differentiation in sherd (vessel?) thickness between sites. Pattern 3 indicates that interior treatment was applied differentially between 31WA1376 and 31WA1390.

Table 8.15 shows K-Means clusters of sherds based on the four vessel description attributes (exterior and interior treatment, sherd thickness, and temper size). Exterior treatment is shown in the table, so the clusters are based on vessel description with exterior surface treatment “riding” on vessel clusters (cF=Coarse Fabric without visible weft, CF=Coarse Fabric with visible weft, FF=Fine Fabric with visible weft, third letter in Figure 6.5 illustration). As would be expected, fine fabric impression (FF, cluster 3) is the backbone of the Neuse Levee ceramic assemblage. Net impression appears as a clearly separated cluster as well (cluster 4) in the early ceramic period.

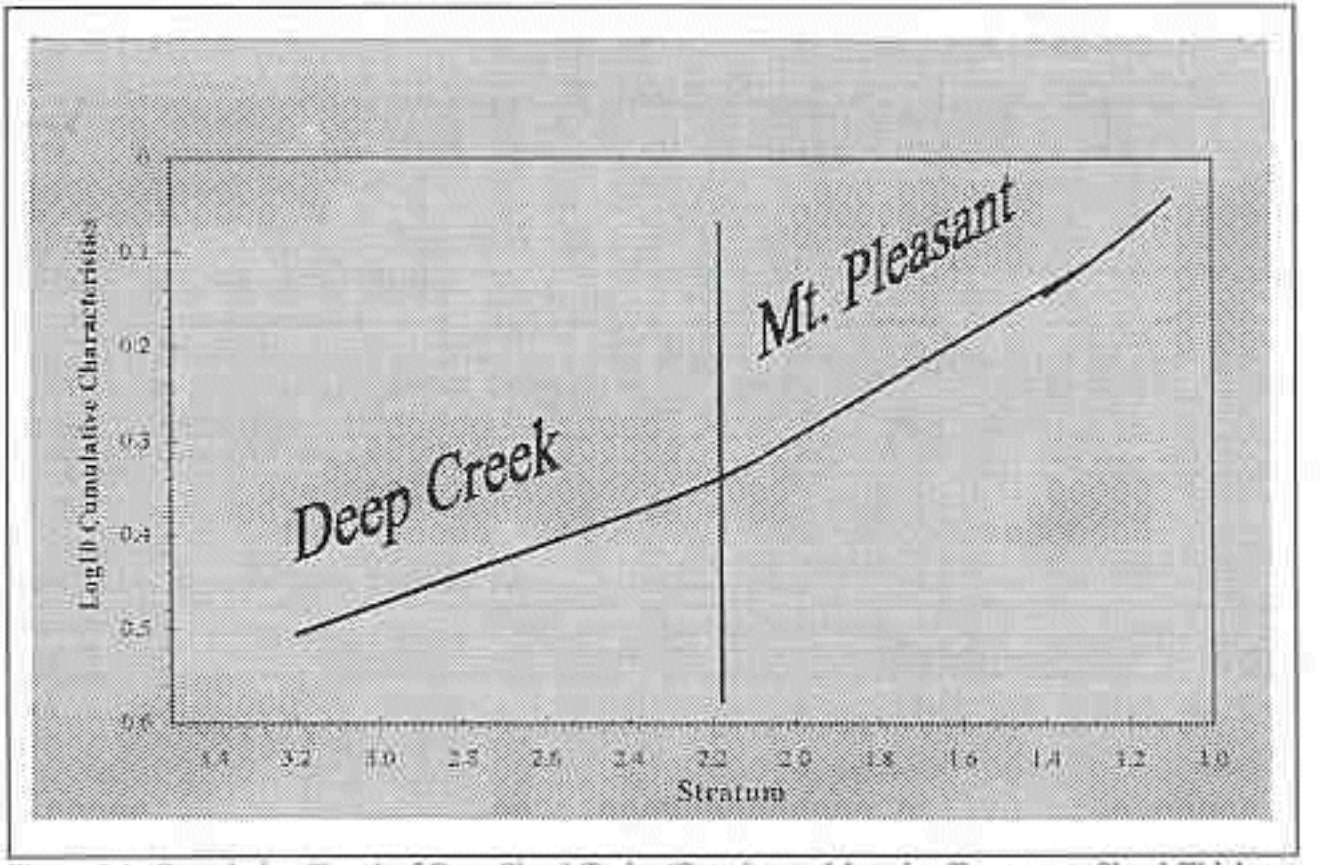


Figure 8.1. Cumulative Trend of Four Sherd Traits (Exterior and Interior Treatment, Sherd Thickness, and Temper Size).

Table 8.12. Exterior Treatment x Depth, Transformed.

Intersite Depth (dm)	Exterior Treatment		
	1.00	**2.00**	**Total**
0.00	3	14	17
1.00		18	18
2.00	4	42	46
3.00		54	54
4.00	17	36	53
5.00	8	14	22
6.00	15	13	28
7.00	2	3	5
8.00	7	2	9
9.00		1	1
10.00	3		3
14.00	1		1
Total	60	197	257

Chi-square=75.5, df=11, p<.0001.

Table 8.13. Components of Neuse Sites Ceramics, Interior and Exterior Treatments, Transformed.

		Component				
		1	**2**	**3**	**4**	**5**
Space	31WA1137	–0.84	0.41			
	31WA 1380	0.88	0.32			
	31WA 1376		–0.54	0.69		–0.31
	31WA 1390		–0.63	–0.60		0.33
Time Level		–0.75		0.20		
Attributes	Maximum Sherd Thickness		0.62			0.22
	Temper Size	0.41	0.65			
	Exterior Color				0.94	
	Interior Treat. (1=smoothed, 2=scraped)			0.59		0.76
	Exterior Treat. (1=fine fabric, 2=coarse fabric)	0.75	–0.32			
Percent of Variance Accounted for		29	20	13	10	9

Table 8.14. Temper Size x Exterior Treatment, Transformed.

Temper		Exterior Treatment		
Size		**1.00**	**2.00**	**Total**
2	Count	5	15	20
	Expected	5	15	20
3	Count	31	54	85
	Expected	20	65	85
4	Count	16	113	129
	Expected	30	99	129
5	Count	8	15	23
	Expected	5	18	23
Total	Count	60	197	257
	Expected	60	197	257

Chi-square=18.525, df=3, p<.0001.

Coarse fabric, mostly confined to the upper two levels, provides a more subtle insight into the middle and late ceramic periods. Coarse fabric separates into two clusters (1 and 2) and coarse fabrics with and without weft are not clearly distinguished. Coarse fabric without visible weft appears in both clusters in the upper level, while almost all cases of coarse fabric with visible weft appear in cluster 2 in the second level (two are also in cluster 3). Since there are only four instances of coarse fabric with visible weft in cluster 2, they can only be marked for future reference; two additional cases clustered in 3. However, at least at Neuse Levee, some oscillation between the with- and without-weft varieties of fabric impression may be present. The trend in fabric impression as viewed from the perspective of the Piedmont Late Woodland is that fabric impression becomes finer with time (S. Davis, personal communication, 1998). From the longer term Early, Middle, and Late Woodland perspective of Neuse Levee, fabric begins fine, and a coarse fabric constituent is added in the middle and continues into the late period. Weft tends to drop out from the middle to late periods.

Wakefield Comparisons

The 296 analyzable sherds (larger than 2.0 cm) recovered from all three sites at Wakefield Creek all fit comfortably into the Yadkin series ceramics with no exceptions (Idol 1998). The variability between the three sites and possible temporal and functional implications suggested by this variability is of particular

Table 8.15. K-Means Sherd Clusters.

Cluster Depth	1	2	3	4
20 cm	FF	cF	FF	
	cF	cF	FF	
	cF	cF	FF	
	cF		FF	
	cF		FF	
	cF		FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
30 cm	cFD	CF	CF	
	FF	CF	FF	
	FF	CF	FF	
		cF	FFA	
		CF	FF	
		cF	FF	
		cF	CF	
		cF	FF	
		cF	FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FF	
			FFG	
			FF	
			FF	
			FF	
			FF	
			FF	
40 cm	cF	cFF	FF	N
			FF	N
			FFC	N
			FF	N
			FF	N
			FFE	N
			FF	N
			FF	N
				N
				N
				N
				NB
50 cm			FF	
			FF	
60 cm			FF	

interest here, and how the ceramics from Neuse Levee fit into that variation. The Wakefield and Neuse Levee assemblages are compared to other Yadkin series assemblages (e.g., Anderson 1982; Espenshade 1986; Marshall 1988) and situated within a broader contextual discussion of Early Woodland settlement and subsistence practices in the Southeast.

Interior Surface. Thirty-one sherds (30%) in the Neuse Levee assemblage exhibited evidence of exterior sooting providing ample direct evidence of use of he vessels for cooking. At Wakefield Creek, although indirect evidence for enhanced heating effectiveness (thin walls, especially at 31WA1376 and 31WA1390) and the dominance of plain, roughly smoothed, and more highly smoothed vessel interiors suggest that cooking over direct heat was an important function of vessels, no direct evidence for cooking such as soot deposits on sherds was observed. Temper. Though not of the extremely large size of Cashie ware, some of the Neuse Levee ceramics have large temper, and the size of temper increases over time. Some had very high density of large temper. Similar trends were observed at 31WA1380, and could indicate that larger sized vessels were being used, probably for storage.

The most noticeable distinction between the Wakefield sites is the difference in temper size and wall thickness of the assemblages. Sites 31WA1376 and 31WA1390 are characterized by extremely thin mean wall thicknesses (x=6.60 mm and 6.18 mm respectively) compared to 31WA1380 (x=8.04 mm). Temper size is correspondingly larger at 31WA1380 than at the other two sites and is more frequently angular in shape. More emphasis was given to heating at the lower two sites (31WA1376 and 31WA1390) while storage was of greater concern at the upper site. If such a trend exists, the later, thicker, larger tempered vessels at Neuse Levee imply that storage was important. This is not unreasonable in a site with water transportation immediately available.

Exterior Surface. A breakdown of the general fabric-impressed category into five subcategories shows similar distributions at all three Wakefield sites, except fabric-smoothed, which is somewhat less frequent at 31WA1380. At Neuse Levee rather clear stratigraphic distinctions can be made, with finer impressions appearing early and coarser impression in small proportions coming later. It could be that coarser fabric impressions are desirable on a larger vessel because they provide a coarser and more durable non-slip surface for handling. A fine-to-coarse trend at this time depth would conform to the Piedmont Early Middle Woodland pattern, which is presently understood to change from bowls in the Early Woodland to jars in the Middle Woodland. The trend from fine to coarse contradicts the trend observed in the Late Woodland (S. Davis, personal communications, 1998). However, if the size of the fabric grid is related to creating a non-slip surface on the vessel, as well as roughening the paddle and conforming to cultural style, then changes in fabric would be related to site function and would vary with site function. The Neuse Levee assemblage seems to show an oscillation from fine to coarse and perhaps back to fine. Could this be attributable to multiple changes of function, and thus a full cycle of patterns? A parallel set of changes may be found in the lithics from more sedentary to more mobile indicators in the Late Woodland.

Vessel Form. Apart from what can be inferred about vessel size form temper and wall thickness, little can be said about vessel form at Neuse Levee. It appears that vessels were enlarged over the period of occupation of the site.

SUMMARY

Although typological schemes like the Yadkin, Deep Creek and Mount Pleasant series are admittedly broad (subsuming much localized variation under a common typological umbrella), their inclusiveness is a fairly accurate descriptor in that Early/Middle Woodland cultural systems exhibit a reliance on vessels intended to serve highly generalized (if seasonally specific) food cooking and/or storage requirements. Before the Late Woodland generalized vessels appear to have been the rule, with specialization following in the Late Woodland. The relative homogeneity of ceramic types in the Early/Middle Woodland could

be partially attributed to the mobility of groups and the lack of territoriality and/or expression of social affiliations that could be more characteristic of later ceramic traditions. In both the Piedmont and Coastal Plain group mobility arguably remained high throughout the Early Woodland period, and was certainly higher than in the late Middle Woodland to Late Woodland pattern, during which increased reliance on maize horticulture reduced mobility. Ceramic assemblages over most of the North Carolina Piedmont and Coastal Plain regions reflect the range of generalized and locally diverse exploitative economies that existed until the latter part of the Middle Woodland in the Piedmont (A.D. 700–900), when maize agriculture becomes important over much of the Southeast and more localized ceramic traditions emerge.

The Neuse Levee location and ceramic inventory suggests a small camp in the probable context of a larger base camps at other locations. If such exist, they have not yet been identified in spite of rather extensive investigations, including a pipeline survey of the Neuse River Floodplain several miles in either direction from the site (Hargrove 1986). The proximity of the river implies that resident groups were focused on river resources such as fish, possibly supplemented by starchy seed cultigens that included chenopodium or sumpweed. Ceramic vessels could have been used to process fish for oil, storage, or transport. Because of the flat terrain, both aquatic and horticulture resources need to be considered as potential attractions to the site.

The three Wakefield sites' locations and artifact inventories suggest a broad commonality apart from that of the Neuse Levee site. They appear to represent seasonal upland/transitional zone foraging camps or stations. This implies that resident groups were focused on forest resources such as mast, deer, or turkey, again possibly supplemented by starchy seed cultigens that included chenopodium or sumpweed, or riverine resources such as fish. Ceramic vessels could have been used to process large amounts of nuts or acorns or other forest foods for fall/winter storage or transport. Because of the broken terrain, either arboreal or aquatic resources are implied as primary site resources, not horticulture.

The ceramic technology at Neuse Levee has strong elements of stability, reflecting the tendencies of the surrounding Piedmont and Coastal Plain. In those regions, as is becoming increasing apparent, relative continuity reigned, perhaps from the early centuries of the Woodland to contact.

The ceramic technology, largely within the definition of the Yadkin ceramic tradition with crushed quartz temper, always played an important role at Neuse Levee.

Net-impressed ware was found in the lower ceramic strata. Most of it was in a single square, raising questions of whether it is intrusive. However, two other possible net-impressed sherds were found in other squares. This suggests a link to the Coastal Plain during the Early Woodland period.

Fine fabric impression was the dominant mode of exterior treatment throughout the ceramic period. However, coarse fabric became more important with the passage of time. It could reflect mobility in a similar fashion to core-biface flakes (see Chapter 9, lithic analysis), if the grid of the fabric is related to vessel size and transportability.

A slight tendency ($p=.076$) was found for thicker sherds to contain larger temper. This finding supports the hypothesis that temper is preselected for the size of the vessel under construction. A distinct ($p=.007$) pattern of temper increasing in size appears in stratum 1.

Interior smoothing increases with time ($p=.007$). It is not, however, as powerful a component of time as exterior treatment and temper/wall thickness.

9. LITHIC ANALYSES

In this chapter we continue to examine technological traits, first through tables and then in a multidimensional context. Flake technology and material distributions are examined first to discover the range of materials used. Next, the wide range of unusual tools, in addition to points, found in the Archaic levels are examined. The Woodland levels contained a more usual complement of points and ceramics.

FLAKES

Because of their numbers, flakes have great potential to define the technological context of a site over time and suggest the functional character of site assemblages, loci within sites, and temporal variations in site function. Flakes and flake fragments can signal use characteristics of sites. The technological approach of visitors to the sites can vary, such as between core and biface flake removal techniques for importing and generating flakes. These in turn are thought to imply different mobility and cultural tendencies of site inhabitants.

Core and Biface Flakes

The proportion of core and biface flakes is generally thought to be an indication of the mobility of the populations occupying a site. Bifacial cores and bifacing techniques are posited to be the preferred gear of mobile societies or groups of people from sedentary societies on mobile missions. Biface cores are easily portable and readily converted into tools, whatever their nature, at the point of use. Bifacing technology is the prehistoric equivalent of just-in-time delivery of manufactured goods. Like its modern international derivative, it implies no on-site inventory that demands undeterminable storage and transportation costs. The bifacing technique requires an extra step of preparation; bifacial cores are made at a quarry site and taken on the expedition. There, in appropriate circumstances, they are converted into tools conforming to the functions at hand (Goodyear 1989; see Glover 1998 for review of literature). Core flakes mark the earlier stages of flake manufacture and thus suggest a nearby source of lithic raw material, or perhaps that more sedentary societies might not take the step of bifacial core preparation and instead make flakes directly from raw material, thus saving labor costs.

In the Neuse Levee assemblage 4,590 flakes could be identified as either of core or biface technology: that is, a platform was present and the bifacing could be distinguished by a V-shaped platform. As in previous studies of Neuse Fall Line sites, biface flakes were judged conservatively to achieve the best possible estimate of bifacing activity.

Eighty-four percent of the overall Neuse Levee assemblage was of core flaking origin (Table 9.1). The Wakefield Creek sites provide a comparative outlook on these figures. In the analysis of the Wakefield Creek sites, 31WA1380 generally emerged as a base camp, while Red Hawk Run (31WA1376) and 31WA1390 were found to be special use stations. Both special use stations display a low 75% core flakes, while the base camp has 80% core flakes. The Neuse Levee flake assemblage contains even greater proportion of core flakes. The difference between each of the sites is not great (about 5%). However, the higher proportion of flakes at Neuse Levee, following the core-biface model, suggests overall a relatively stable occupation situation at Neuse Levee. This assumption might be compromised somewhat by the evident local availability of material at Neuse Levee, but at least some raw material was also available at the Wakefield sites.

Table 9.1. Core and Biface Flake Proportions for Neuse Levee and the Wakefield Sites.

Flake Type	31WA1137	31WA1376	31WA1390	31WA1380	Total
Core	3841	262	474	160	896
Biface	708	88	154	39	281
Total	4549	350	628	199	1177
% Core	84	75	75	80	
% Biface	16	25	25	20	
Total	100	100	100	100	

In the Wakefield analysis we did not have the opportunity to check the relationship between core-biface and material characteristics because they were coded in separate data bases. This problem was corrected in this study. The hypothesis of interest relative to core-biface technology and material is that, if bifacing technology indicates mobility, then the larger bifacing flakes should be on exotic material. The concept provides a cross-check that reinforces the core-biface mobility hypothesis. If the bifacing flakes are mostly on imported material, then the inhabitants of the site brought exotic materials with them as bifacial cores, which supports the mobility hypothesis. In another perspective, without precise coding of the relationship between core-biface technology and material, the possibility could not be eliminated that core flakes were simply an early-stage product of the bifacial core preparation process, inherently weakening the core-biface mobility argument. If core and biface flakes were all on the same local material, it could imply that all flake manufacturing was done locally and perhaps that the population was sedentary.

Observing the core-biface technology and materials types in a combined data set at Neuse Levee revealed that greater than expected numbers of biface flakes are of chert (Table 9.2), a clearly non-local material (Lautzenheizer and Eastman 1996). On the other hand, less than expected frequencies of biface flakes are of locally available rhyolite and quartz. This provides a strong argument for biface flaking being associated with non-local origins and that bifacing is an indicator of greater mobility.

Approximately the expected number of core flakes was found of rhyolite and more than expected of quartz, probably also locally available. Core flaking is therefore implicated as a local and possibly more sedentary indicator.

Table 9.2. Core-Biface Flakes x Material Types Cross-Tabulation.

Flake Type		Material Type				
		Rhyolite	Quartz	Quartzite	Chert	Total
Core	Count	3841	80	20	117	4058
	Expected	3796.8	67.6	18.4	175.3	4058
Biface	Count	708	1	2	93	804
	Expected	752.2	13.4	3.6	34.7	804
Total	Count	4549	81	22	210	4862
	Expected	4549	81	22	210	4862

Chi-square=134.9, df=3, p<.0001.

Within the overall Neuse Levee core-biface frequencies are level-by-level changes over time. Given the relatively high stratigraphic resolution and large flake sample of Neuse Levee, level changes could provide key insights to both the overall Neuse Levee mobility index and those at Wakefield Creek. Wakefield Creek is presumed to be an inherently more mobile situation because of the broken terrain. Using the 20% of depth levels, it can be seen that core and biface technology traded off at least twice over the period of the site's occupation (Table 9.3). Higher than expected core technology values are

Table 9.3. Core/Biface Flakes x Depth 20% Levels Cross-Tabulation.

Flake Type		Depth, 20% Levels					
		<20	**20–40**	**40–60**	**60–80**	**>80**	**Total**
Core	Count	170	247	1059	1599	973	4048
	Expected	208.6	268.7	1030.6	1607.2	932.9	4048.0
	20% level	68.0%	76.7%	85.7%	83.0%	87.0%	83.4%
Biface	Count	80	75	176	327	145	803
	Expected	41.4	53.3	204.4	318.8	185.1	803.0
	20% level	32.0%	23.3%	14.3%	17.0%	13.0%	16.6%
Total	Count	250	322	1235	1926	1118	4851
	Expected	250.0	322.0	1235.0	1926.0	1118.0	4851.0
	20% level	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Deposition Rate		Medium	Medium	High	Redeposition/ Erosion	Low	

Chi-square=69.2, df=4, p=.0001.

interrupted by high biface values once during the Archaic (60–80% level). After a return to high core values in the late Late Archaic, high biface values maintain through the Woodland. It could be that the periods of high mobility are a function of something as simple as frequent flooding at the Neuse Levee, and thus no permanency of occupation. However, no consistent, replicated pattern appears between technology and deposition rates, which would be expected if the cause were something as definitive as frequent flooding (see Table 9.3 and Chapter 11 for explanation of deposition rates). At a depth of 40–60%, the high deposition rates associated with high core-flake production could represent a better-scoured bottom of the river and thus more access to basal gravel cobbles. But the greatest core production was during the >80% level when the deposition rates appear to be at their lowest. The argument appears to get lost in the complex relationships between river meander cutting and regional hydrological responses such as flood volume. More attention needs to be paid to this question.

Material

The proportions of material types such as chert and rhyolite, or different categories of rhyolite, can indicate the local or non-local origin of lithic raw material. Eastman et al. (1995), for example, explored a source of green tuff about 20 km upstream in Durham County. The channel gravel at Neuse Levee is apparently a green, gray, or coarse gray rhyolite. Lautzenheizer and Eastman (1996) have documented cherts from the Durham-Wadesboro Triassic basins in the Piedmont–Coastal Plain transition zone. In a survey of collections, chert was found to rarely occur outside the Triassic Basins, but a "weathered core of heat-altered chert" was identified in an amateur collection in Wake County (Lautzenheizer and Eastman 1996:52). The source areas identified by Lautzenheizer and Eastman (1996) are about 40 km southwest of the project in Lee County. However, the Durham Triassic basin is as close at 15 km to the west. Chert is also found in the Research Triangle Park area (Lautzenheizer and Eastman 1996). Quartz is generally available in the bedrock in the Neuse River valley. Quartzite probably comes from the Triassic basin to the west as well.

A comparison of material types down through 20% levels shows that preferences for raw materials changed over time (Tables 9.4 and 9.5). The Archaic material preferences are dominated by rhyolite/granite. Toward the end of the Late Archaic, a shift toward quartzite is apparent. In the Woodland levels rhyolite, quartz, and quartzite yield to stronger preferences for chert. This pattern, combined with the core-biface results, suggests that the Late Woodland occupants of Neuse Levee were in some sense more mobile than the Early and Middle Woodland populations. Of course the lithic materials perspective has to be combined with the geomorphic perspective. It seems likely that the local rhyolite was not used in the Late Woodland because it was less accessible due to silting of the channel

Table 9.4. Neuse Levee Material Types by 20% Levels, Row Percents.

Material		Depth, 20% Levels					
		<20	20–40	40–60	60–80	>80	Total
Rhyolite	Count	284	384	2509	3943	2513	9633
	Row %	3%	4%	26%	41%	26%	100%
Quartz	Count	35	31	31	90	55	242
	Row %	15%	13%	13%	37%	23%	100%
Quartzite	Count	1	2	32	8	3	46
	Row %	2%	4%	70%	17%	7%	100%
Chert	Count	90	151	63	31	10	345
	Row %	26%	44%	18%	9%	3%	100%
Total	Count	410	568	2635	4072	2581	10266
	Row %	4%	6%	26%	40%	25%	100%

Chi-square=1719.5, df=12, p<.0001.

Table 9.5. Neuse Levee Material Types by 20-cm Levels, Expected Values.

Material		Depth, 20% Levels					
		<20	20–40	40–60	60–80	>80	Total
Rhyolite	Count	284	384	2509	3943	2513	9633
	Expected	385	533	2473	3821	2422	9633
Quartz	Count	35	31	31	90	55	242
	Expected	10	13	62	96	61	242
Quartzite	Count	1	2	32	8	3	46
	Expected	2	3	12	18	12	46
Chert	Count	90	151	63	31	10	345
	Expected	14	19	89	137	87	345
Total	Count	410	568	2635	4072	2581	10266
	Expected	410	568	2635	4072	2581	10266

Chi-square=1719.5, df=12, p<.0001.

(see Chapter 2). Thus the apparent mobility could have been enforced on a permanently resident population in the sense that they had to go elsewhere to acquire lithics.

A particularly intriguing question is whether the Early Woodland use of quartzite at Red Hawk Run correlates with the episode of quartzite preference at Neuse Levee. A process could be imagined, should the quartzite observed in Wakefield Creek be limited to that area, in which attention shifted to the Falls of the Neuse area in the late Late Archaic or Early Woodland, perhaps because of fishing there, or simply because of increased use of the river for transportation. As a result of better acquaintance with the upstream reaches of the river, travelers passing by Neuse Levee could have brought along quartzite, some of which would have remained at the site.

During an Early Woodland component at Red Hawk Run, knappers were apparently relying on quartzite more than on imported rhyolite. It is likely that the rhyolite there too came from the river, while the more popular quartzite was from the nearby tributary. It could be that the high deposition rate measured at Neuse Levee during the Early Woodland was also reflected in inaccessibility of rhyolite at Red Hawk Run. Differences in material variations with depth within the Wakefield sites showed that materials changed with level. Furthermore, changes became more pronounced up the valley; the tendency to change from rhyolite to quartz or quartzite between the Archaic and Woodland periods was strongest in 31WA1380 at the upper end of the watershed. This a wide time span, represented by Guilford, Savannah River, Eared Yadkin, and Wakefield point components. Neuse Levee spans the latter three of these components and adds a Late Woodland occupation. It too shows a shift to quartzite and quartz. The

added definition, perhaps made visible by the deeper stratigraphy at Neuse Levee, is the shift first to quartzite in the Late Archaic-Early Woodland, followed by a shift to quartz.

In addition to the variation in lithic material types between major categories of rock such as quartz and rhyolite, substantial variation was observed in the rhyolite/granite material itself. This was coded by color, as the most accessible means of distinguishing the rhyolite subcategories (Table 9.6). Grain was also considered in the case of the coarse gray rhyolite.

Table 9.6. Rhyolite x Depth, 20% Levels Cross-Tabulation, Expected Values.

Color		Depth, 20% Levels					
		<20	**20–40**	**40–60**	**60–80**	**>80**	**Total**
Tan	Count	1	6	18	39	37	101
	Expected	2.8	4.0	26.4	41.4	26.4	101
Brown	Count	16	28	30	116	56	246
	Expected	6.9	9.7	64.3	100.7	64.3	246
Light gray	Count	16	15	287	370	172	860
	Expected	24.2	33.8	224.9	352.2	224.9	860
Gray	Count	5	4	18	50	24	101
	Expected	2.8	4.0	26.4	41.4	26.4	101
Dark gray	Count	13	9	9	95	121	247
	Expected	6.9	9.7	64.6	101.1	64.6	247
Green	Count	170	272	2059	3128	2048	7677
	Expected	215.9	301.8	2007.8	3143.7	2007.8	7677
Black	Count	33	25	4	1	2	65
	Expected	1.8	2.6	17.0	26.6	17.0	65
Bluish gray	Count	6	0	20	54	8	88
	Expected	2.5	3.5	23.0	36.0	23.0	88
Reddish brn.	Count	1	0	5	16	13	35
	Expected	1.0	1.4	9.2	14.3	9.2	35
Gray coarse	Count	8	17	51	47	20	143
	Expected	4.0	5.6	37.4	58.6	37.4	143
	Count	269	376	2501	3916	2501	9563
	Expected	269	376	2501	3916	2501	9563

Table 9.7. displays the differences between expected and observed values from Table 9.6. The categories of rhyolite exhibiting greater than expected values are assumed to be preferred during that time period. This is in the sense that extra effort was expended to acquire them, or that some other circumstance led to a proportional increase in their use such as the territorial range within which Neuse Levee fell. The table is sorted into categories that appear exclusively in the Archaic or Woodland, or are shared by them to show clusters of temporal changes in rhyolite preferences between phases. Although still a complicated array of rhyolite material types, it is easy to see that the variety of rhyolite subcategories preferred at Neuse Levee was greatest during the middle Late Archaic and late Late Woodland. This could be taken as a suggestion that it was during these times that Neuse Levee was incorporated within the largest trading spheres or territories. The intervening phase of more restricted utilization would reflect less mobility or more restricted trade relations. It could be important that the period of chert use (see above) corresponds to the period of black rhyolite use, both suggesting more intense relations with the Piedmont to the west in the Woodland.

Table 9.7. Expected-Observed Values for Rhyolite Preferences x Depth, 20%.

Rhyolite Color	Period	Depth, 20% Levels					
		<20%	20–40%	40–60%	60–80%	>80%	Total
		Late Woodland	Early Woodland	Late Late Archaic	Middle Late Archaic	Early Late Archaic	
Tan		–2	2	–8	–2	11	101
Reddish brown	Exclusively Archaic	0	–1	–4	2	4	35
Gray		2	0	–8	9	–2	101
Light gray		–8	–19	62	18	–53	860
Green		–46	–30	51	–16	40	7677
Dark gray		6	–1	–56	–6	56	247
Coarse gray	Shared by Woodland	4	11	14	–12	–17	143
Bluish gray	and Archaic	4	–4	–3	18	–15	88
Brown		9	18	–34	15	–8	246
Black	Exclusively Woodland	31	22	–13	–26	–15	65
Number of Categories		5	3	3	5	4	

Although green rhyolite, the most frequently used material by far, it is present in all periods, its preference was greatest during the Archaic and its use in the Woodland much diminished. The many tools used during the Archaic were made almost exclusively of the green rhyolite (see below). An interesting material to evaluate relative to material availability is the coarse gray rhyolite, nearly or actually a granite. Rhyolite and granite are chemically the same material, but the granite cooled more slowly and therefore has a coarser crystalline structure. The coarse gray rhyolite was clearly a local material, as it was found as large primary flakes on the Archaic workfloors. Because it is so coarse, it could be taken as a sign that high-quality local material was in such short supply that even extremely coarse-grained material would at least be tested for use. Coarse gray has its highest frequency of appearance during the late Late Archaic, and it also has higher than expected values in the Woodland, though the frequencies are not impressive. The increased use of coarse gray can be taken as an index of scarcity of local material, and perhaps explains the greater reliance on imported materials from the Piedmont.

The dark rhyolite is a good candidate for determining direction of material acquisition from among the rhyolite categories. Since volcanic features are only to the west in the Piedmont, it must come from the west. The distribution of this material through time suggests very little contact with the Piedmont during the Archaic and increasing contact in the Woodland (see Table 9.5 for frequencies). The implications for direction should be the same as those for chert from the Triassic basins.

Flake Fragmentation

The amount of fragmentation that flakes are subjected to measures knapping methods, quality of material and reshaping for use, and approach to use after manufacture. However, a significantly different proportion of flake fragments could be taken as an indication of the intensity of flake reprocessing or extended use. For example, on Wakefield Creek, site 31WA1390 had the highest proportion of medial fragments. At this same site point medial fragments were also highest, and were thought to be an indicator of rigorous use under pressing conditions. Site 31WA1390 also had the highest number of medial biface fragments. This finding was taken to mean that the site, probably a hunting station associated with the riparian-valley wall vegetation transition, generated a general rigorous lithic use regime that resulted in repeated breakage of points, bifaces, and flakes without pause to rehaft tools. The overall assemblage at Neuse Levee reflects a remarkably similar flake fragment distribution (Table 9.8).

Table 9.8. Flake Fragmentation by Sites on Flake Fragments.

Row %s

Site	Platform	Medial	Terminal	Whole	Total	N
31WA1376	8	2	19	71	100	347
31WA1390	8	9	26	58	100	470
31WA1380	10	6	23	61	100	999
31WA1137	6	10	27	57	100	7726
Total	6	9	26	58	100	9542

Frequencies

Site	Platform	Medial	Terminal	Whole	Total	N
31WA1376	28	7	67	245		347
31WA1390	37	40	121	272		470
31WA1380	102	58	232	607		999
31WA1137	494	791	2076	4365		7726
Total	661	896	2496	5489		9542

The platform end fragments are slightly lower (about 2%) than at 31WA1390. The rest of the distribution is virtually identical to 31WA1390, presumed to be the most mobile camp of the set. It differs most from Red Hawk Run (31WA1376), the near-riverside fishing camp, which might be anticipated to be most like Neuse Levee.

A closer examination of the vertical, inter-level structure in the Neuse Levee flake fragment assemblage shows that the higher than expected frequencies of flake fragments trend from shatter, chunks, and platform fragments in the Archaic to whole flakes and medial fragments in the Woodland (Table 9.9). Since terminal and platforms ends of flakes are sometimes snapped off to render the medial fragment more usable, the pattern suggests a shift from on-site tool manufacture, with the terminal and platform fragments left behind, to tools being brought in from elsewhere and the medial fragment and whole flake tools being left. As in materials and core-biface technology, the middle levels of the Archaic strata resemble the Woodland more than the lowest or latest Archaic levels. It seems rather like the mid-range Archaic levels are presaging the characteristics of the Woodland levels, or experienced oscillations (see discussion in ceramic Chapter 9).

No attempt was made in the analysis to account for imponderables such as trampling. However, in soft bank sediments, this source of flake modification could be negligible.

Reduction Sequence

The reduction sequence stage of flakes in a site reflects its proximity to a raw material source, and thus how much difficulty is involved in gathering raw material. The alternative to a local source is preformed blanks, which must be carried to a site from a distant quarry and thus release only secondary and tertiary flakes on site. In another perspective, the importance of the site is suggested by whether people were willing to bring quantities of prepared material to a site that is remote from a source. If no source is nearby, a high proportion of tertiary flakes in a site could be taken to imply mobility of the inhabitants (see also core-biface flake discussion).

Although the percentages of primary and secondary flakes at Neuse Levee are well above those at the Wakefield sites (Table 9.10), they are surprisingly low for a quarry site. All of the Wakefield sites contain nearly 90% or more of tertiary flakes, while Neuse Levee has less than 70%. A comparison with another quarry site would be instructive. In the Lee County chert quarry (Lautzenheizer and Eastman 1993, 1996), the number of primary flakes was much lower than at Neuse Levee. This could be in part because the standard for primary flakes was set at 75% cortex in the Lautzenheizer and Eastman (1993)

Table 9.9. Flake Fragmentation x Depth, 20% Levels, Cross-Tabulation.

Flake Fragmentation		Depth, 20% Levels					Total
		<20	20–40	40–60	60–80	>80	
Medial	Count	54	61	188	294	194	791
	Expected	31.5	43.7	203.2	314.0	198.7	791.0
Whole	Count	231	296	1096	1768	974	4365
	Expected	173.6	241.2	1121.1	1732.6	1096.5	4365.0
Terminal	Count	67	127	519	825	538	2076
	Expected	82.6	114.7	533.2	824.0	521.5	2076.0
Chunk	Count	11	14	179	223	109	536
	Expected	21.3	29.6	137.7	212.7	134.6	536.0
Platform	Count	18	25	143	165	143	494
	Expected	19.6	27.3	126.9	196.1	124.1	494.0
Shatter	Count	27	44	510	797	619	1997
	Expected	79.4	110.4	512.9	792.6	501.6	1997.0
Total	Count	408	567	2635	4072	2577	10259
	Expected	408.0	567.0	2635.0	4072.0	2577.0	10259.0

Chi-square=220.2, df=20, p<.0001.

study of 31LE83, rather than at 50% as in this study. The percentage of primary flakes ranks with the lowest of the Wakefield sites.

Through the levels the Neuse Levee reduction stages with higher than expected values change from primary in the early part of the Archaic levels to secondary in the Late Woodland stratum (Table 9.11). The intervening phases are tertiary flakes. This generates a chi-square of p=.042, so site assemblage drifted over time from an on-site mode of lithic operation to one in which the lithics were imported to the site.

Table 9.10. Sites by Reduction Stage of Flakes (Type).

Row %s

Site	Primary	Secondary	Tertiary	Total	N
31WA1376	4	8	88	100	439
31WA1390	0	2	98	100	516
31WA1380	0	3	97	100	1077
31WA1137	16	16	68	100	6343
31LE83	1	5	94	100	2342

Frequencies

Site	Primary	Secondary	Tertiary	Total	N
31WA1376	16	37	386	100	439
31WA1390	2	8	506	100	516
31WA1380	3	31	1043	100	1077
31WA1137	997	1032	4282	100	6311
31LE83	31	123	2188	100	2342

Table 9.11. Flake Reduction Stage x Depth (20-cm Levels) Cross-Tabulation.

Flake Reduction State		Depth, 20% Levels					
		<20	**20–40**	**40–60**	**60–80**	**>80**	**Total**
Secondary	Count	41	46	282	375	288	1032
	Expected	33.8	49.2	265.9	404.4	278.6	1032
Tertiary	Count	133	206	1124	1701	1118	4282
	Expected	140.4	204.2	1103.2	1677.9	1156.2	4282
Primary	Count	33	49	220	397	298	997
	Expected	32.7	47.6	256.9	390.7	269.2	997
Total	Count	207	301	1626	2473	1704	6311
	Expected	207.0	301.0	1626.0	2473.0	1704.0	6311

Chi-square=16.1, df=8, p=.042.

SUMMARY

To summarize, the flaking technology, either core or biface, flake materials, and reduction stage:

Neuse Levee has the most elevated frequency of core flakes of the Neuse Fall Line study sites. This suggests a relatively in-place location for making stone tools. However, over time the core-biface ratios varied, indicating that more mobile populations sometimes visited the site and brought lithics with them from other sources.

The middle levels of the Archaic and the later part of the Woodland appear to represent periods of greater mobility based on a proportionally greater presence of bifacing flakes. These levels in fact display commonality on a number of attributes leading to the suspicion that the conditions of the middle Archaic levels presaged Woodland activities.

Availability of local material in the Late Woodland could have been influenced by changes in the Neuse channel.

A quartzite connection might exist between Neuse Levee and Red Hawk Run. More research needs to be done on the spatial availability of quartzite in the area.

As at the Wakefield sites, an increased preference for quartz appeared during the Late Woodland.

Both black rhyolite and chert are resources in the Piedmont and appear in the same levels at Neuse Levee, suggesting more intense trading relations or travel patterns during the Late Woodland.

Increased use, or at least cobble testing, of coarse gray rhyolite in the late Late Archaic probably indicates a growing scarcity of locally available raw material. This could account for some of the increased popularity of imported material.

The fragmentation of flakes indicates that over time Neuse Levee became less a place of raw material extraction and a source of tools, and more a place to which tools were brought to be used. As in the other dimensions of change at Neuse Levee, the middle levels of the Archaic more resemble the Woodland and the other levels in the Archaic.

Over time the flake reduction stages of flakes drifted from primary to secondary, again supporting the contention that more material was being imported to the site rather than collected and reduced locally.

10. DATES

NEUSE LEVEE BOTANICAL/RADIOCARBON SAMPLES

Four carbon samples were collected from the Neuse Levee cultural levels. None was taken from features, but rather from the general level sediments in good context. Although all samples were small, they generally consisted of firm wood samples ranging up to 2 cm in length. They were first submitted to Andrea Shea for botanical identification (see ethnobotany discussion in Chapter 7) and then to Beta Analytic for AMS dating (see Chapter 2 for discussion of geomorphology radiocarbon dates). Most of the samples were pine, although some hickory nut was included.

All of the samples were from the lower Archaic cultural horizon (Table 10.1). Depths of the samples ranged over approximately 15 vertical centimeters as measured from the surface during collection. The dates are all virtually identical: ca. 2200±100 B.C. The temporal proximity of the dates suggests a single event such as a single occupation or an intense forest fire that burned the tap roots of pines. The presence of hickory nut in the samples suggests, that because potential food items are present, humans could have been involved in the burning as well. Since the date corresponds with the dates of Savannah River points in North Carolina, it seems likely that the dates are associated with the intensive lithic reduction activity at Neuse Levee temporally marked by Savannah River points. The dates on Savannah River points in North Carolina (Figure 10.1) trend from old in the west at Warren Wilson (3648 B.C. calibrated), the oldest date on the tradition in the East, to young at Pony Pasture (1518 B.C. calibrated).

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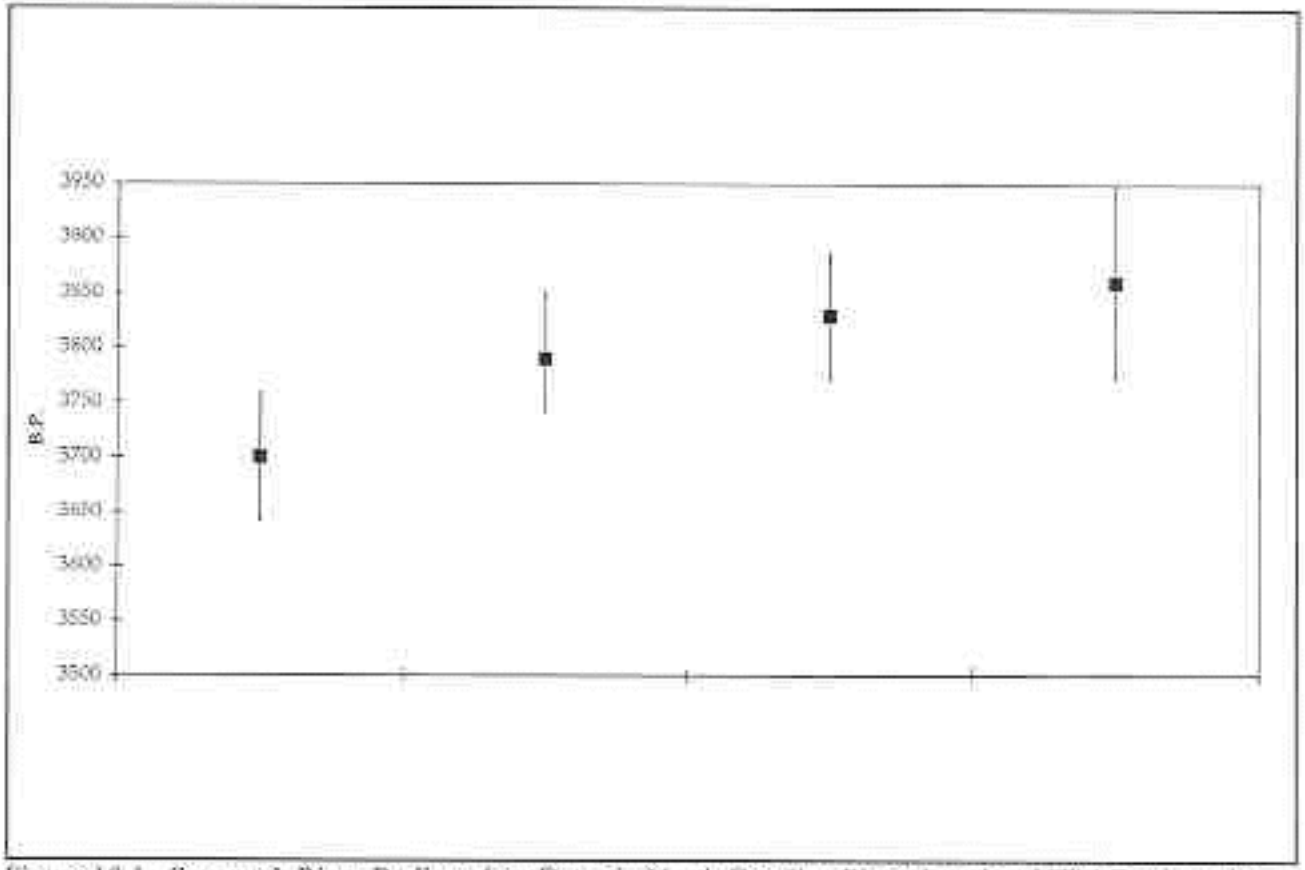

Figure 10.1. Savannah River Radiocarbon Dates in North Carolina Plotted against UTM Easting (data from Eastman 1994a, 1994b).

Table 10.1. Cultural Radiocarbon Date

Sample	Radiocarbon Age	Calibrated	Midpoint	B.P.	±	Depth
Beta-121004	3700±60 B.P.	2110–2040 B.C.	–2113	4063	60	75–79
Beta-121005	3780±50 B.P.	2190 B.C.	–2190	4140	60	70–80
Beta-121006	3830±60 B.P.	2280 B.C.	–2280	4230	60	58–68
Beta-121007	3840±90 B.P.	2290 B.C.	–2290	4240	70	80–90

OCR DATES

A series of oxidizable carbon ratio (OCR, Frink 1992, 1994) dates was run from features and soil column B. The Block B sample column OCR dates (Table 10.2) are mean residence time (MRT) dates. Mean residence time is not directly comparable to dates from a source directly attributable to an event such as a feature. They should be thought of more in terms of the development of organic content in a soil, and its in-place aging.

Table 10.2. The Block B Sample Column OCR Dates.

ACT#	East	North	Fea.	Depth	L.U.	YBP	±*	% Org Ca	pH
3321	128	89	3	80.5	1	6210	186	1.32	3.4
3317	125	109	4A	78.5	2	6615	198	1.28	4.0
3318	125	109	4B	78.5	2	6180	185	1.39	3.9
3319	126	103	5	82.5	1	6150	184	1.33	3.8
3320	123	94	6	95.5	1	5799	173	1.19	3.7
3315	128	94.65-85	Block B	4.5	4	327	MRT	4.65	4.1
3322	128	94.65-85	Block B	9.5	4	864	MRT	1.47	4.0
3304	128	94.65-85	Block B	14.5	4	1457	MRT	1.32	3.8
3323	128	94.65-85	Block B	19.5	3	1924	MRT	0.93	3.8
3316	128	94.65-85	Block B	26.5	3	2728	MRT	0.88	3.7
3306	128	94.65-85	Block B	31.5	2	3153	MRT	0.77	3.7
3305	128	94.65-85	Block B	36.5	2	3348	MRT	0.83	3.8
3307	128	94.65-85	Block B	41.5	2	3723	MRT	0.97	3.7
3308	128	94.65-85	Block B	46.5	2	3904	MRT	1.13	3.6
3312	128	94.65-85	Block B	50.5	2	4020	MRT	1.17	3.6
3309	128	94.65-85	Block B	56.5	2	4059	MRT	1.02	3.6
3313	128	94.65-85	Block B	61.5	2	4674	MRT	1.06	3.6
3311	128	94.65-85	Block B	66.5	2	5234	MRT	1.03	3.6
3324	128	94.65-85	Block B	71.5	2	3324	MRT	0.68	3.6
3314	128	94.65-85	Block B	81.5	1	6053	MRT	1.21	3.5
3310	128	94.65-85	Block B	86.5	1	7286	MRT	1.28	3.5

* mrt = mean residence time.

The MRT dates grade downward to 6053 B.P. with one exception (ACT #3324). The exception at the LU 1–2 boundary could represent some kind of disruption of the carbon decay process, such as an episode of erosion and redeposition in the level. The OCR date at the unit 1–2 contact, the top of the Bt, cross-checks reasonably well with the 7210±60 radiocarbon date in the upper part of the Bt horizon (see geomorphology dates in Chapter 2; Figure 2.2). The oldest date within lithologic unit 2, archaeological

Stratum III, is a little early for the Late Archaic time range. The remainder of the dates in LU 2 (depth 3.5–61.5) fall in the accepted range of Late Archaic. The Early Woodland begins in the 40–50 cmbs range, so if the 4059 B.P. date is meaningful, it suggests an episode of slow deposition or erosion between Late Archaic and Early Woodland that began in the Coastal Plain at about 3000 B.P. The LU 3 dates generally seem too old by about 1000 years compared to the radiocarbon and cultural dating.

OCR dates were also processed from feature fill (see Table 10.2), which should represent dates. They, however, like the other unit dates, appear to be about 1000–2000 years older than would be expected.

The radiocarbon dates vary in depth over 15 vertical cm but are all virtually the same age (Figure 10.2). It does not seem unlikely that they were the result of a forest fire. Their depth and location help to date the minimum age of the lower levels and calibrate the OCR dates. The unusual OCR date could be just an anomalous date, or it could be due to some kind of redepositional process.

Deposition rates can be inferred from the OCR dates because of their concentrated numbers and thus their high resolution down the sediment column. If date samples are taken at equally spaced intervals, then the geometric relationships of the dates to each other and to the whole of the column should have meaning relative to the rate of deposition of the sediments. For example, if the sediments are being deposited slowly over the course of a 10-cm vertical interval, then more time passes for the carbon to decay and the dates should be relatively far apart in time. In a time/depth plot (Figure 10.3) this would result in a relatively flat angle of deposition. If, on the other hand, the deposition is rapid, the angle should be steep reflecting the increased rate of deposition during the 10-cm interval. A third relationship can be expected when redeposition dominates the sedimentation environment, which would appear as dates that are out of order in the time/depth column.

In the time/depth column for Neuse Levee (see Figure 10.2), all three of these relationships occur. In Stratum I an approximately 45° angle relates all four dates (B4–B19). Through strata II and III the rate of deposition begins very rapidly (B56 to B50), then decelerates from B46 to B26. Stratum IV contrasts with the overlying stratum by having an episode of redeposition near its bottom (B71), but then a normal deposition rate in its upper levels. The deposition rate in stratum V is flattest and therefore slowest by these criteria.

If the Savannah River diagnostics are providing meaning temporal information on the time of occupation of the lower levels at Neuse Levee, on the whole neither the radiocarbon nor OCR dates are providing useful information. Ironically, the only date that appears to conform to the diagnostics is the apparently anomalous OCR date at depth=71.5 cmbs.

SUMMARY

The most interesting question relative to the dating is the origin of the radiocarbon dates that provided such a consistent set of determinations. Without knowing their exact source, and not being able to associate them with features, it is impossible to say if they were of human origin. However, the hickory nut inclusions suggest human activity as a possibility, in which case they could be the residue of the workshop activity clearly apparent in the Archaic tool assemblage. The great spread of depth of the dates argues against this unless the workshop existed for a few years during which there was rapid deposition on the levee, not an impossibility. Some of the OCR MRT dates are within reasonable bounds of the cultural and radiocarbon dates. Others appear to be too old to be taken in absolute terms. Used as a column they appear to respond to erosional disturbances and increased depositions rates as nearly as they can be cross checked in this context.

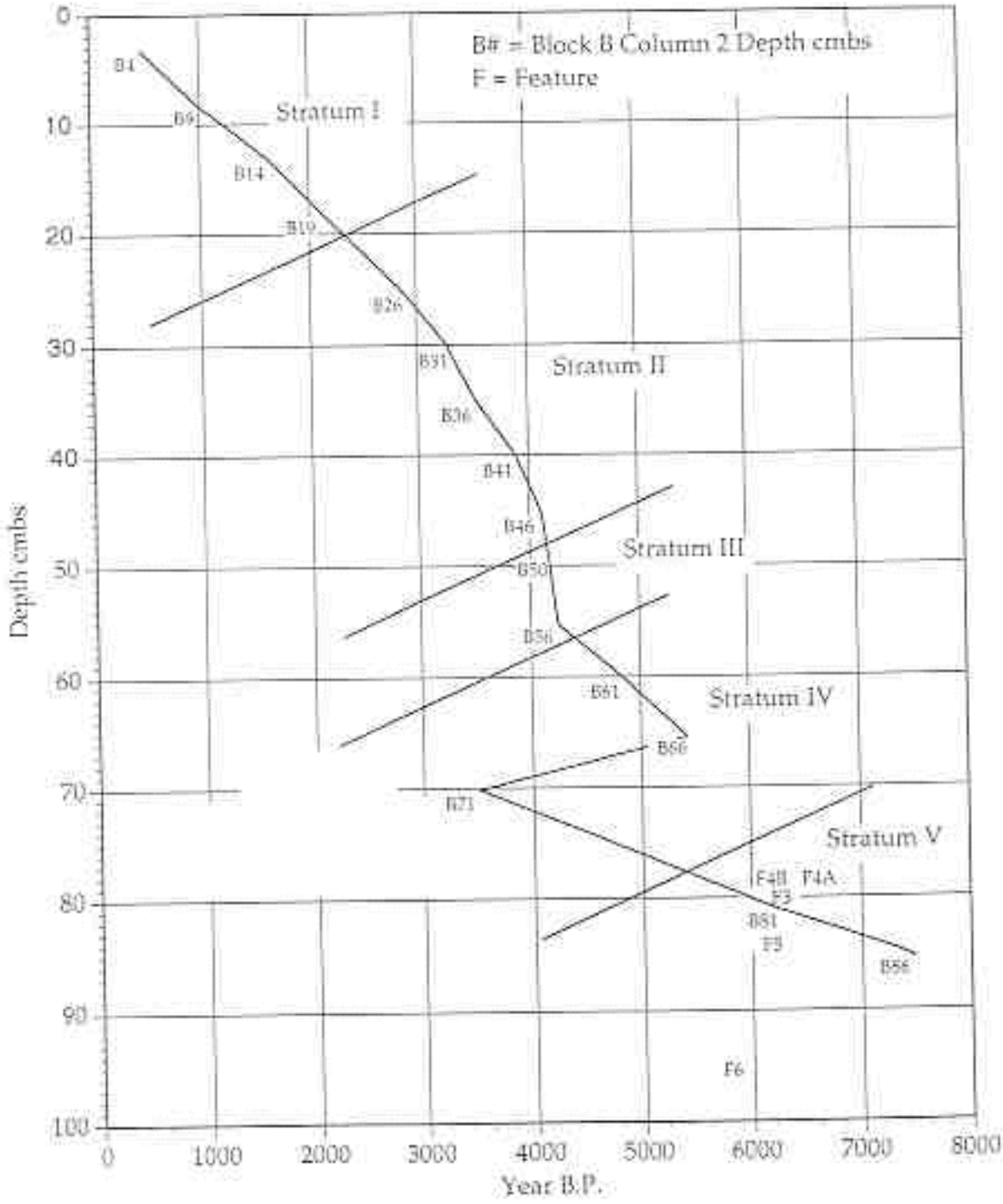

Figure 10.2. Relative Depth of Radiocarbon and OCR Dates below 55 cmbs. Correctly ordered dates should be along a trendline from upper left to lower right.

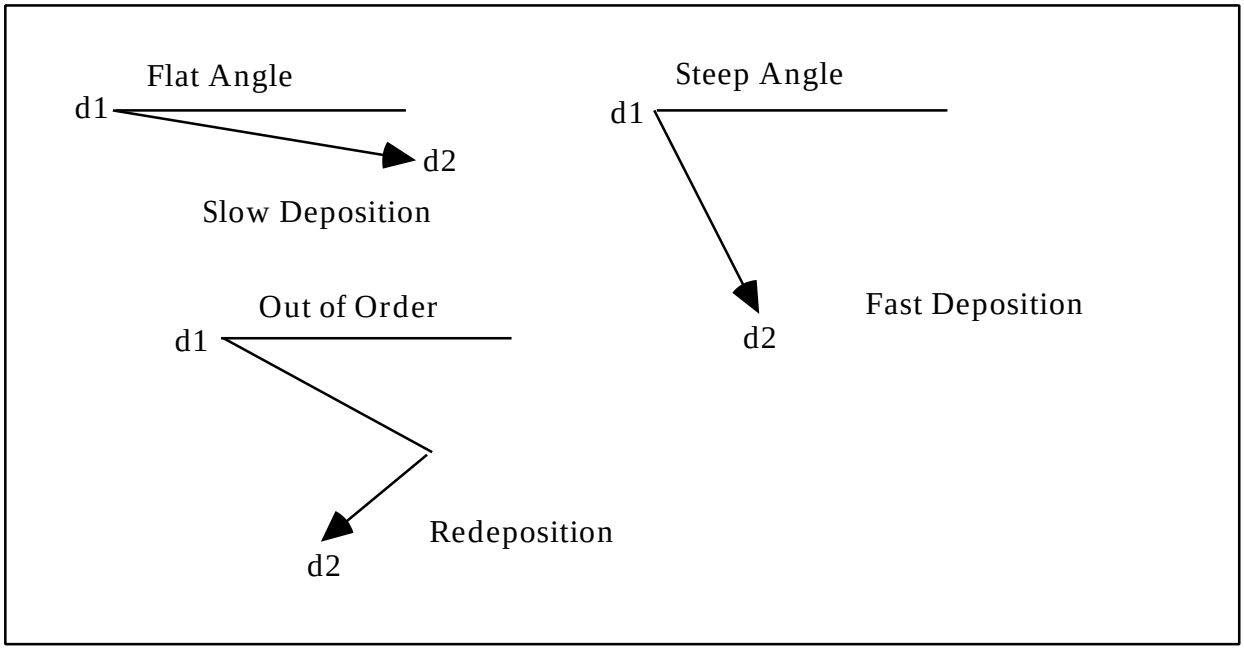

Figure 10.3. Expected Geometric Relationships between Dates at Varying Rates of Deposition.

11. CONCLUSIONS

The archaeological site of Neuse Levee was excavated during May and June of 1998. Fifty-eight square meters of soil were removed to depths ranging from .83 to 1.8 m. Over 11,500 artifacts were recovered, including 127 tools and 199 sherds. The earliest component was a Late Archaic riverside workshop with a diverse range of tools and substantial amounts of primary flaking debris, indicating that the site served as a lithic source workshop. The Woodland components resemble a temporary camp more than a workshop.

NEUSE LEVEE STRATIGRAPHY

The culture-bearing strata rest on approximately 3.5 m of Early Holocene levee deposits, referred to as lithologic unit 1. Lithologic unit 1 is composed of sandy loam and is a highly developed Bt soil. Units 1 and 2 comprise a prehistoric natural levee, which contains sediments ranging in age from about 10,000 to 250 yr B.P. Unit 2 overlies an eroded upper surface of unit 1 and contains most of the cultural material at the site. Unit 3 is late prehistoric slackwater floodplain sediment that ranges from about 2000 to 250 yr B.P. Unit 4 is historic alluvium that forms the present natural levee along the Neuse River, and Unit 5 is historic gravel on the bed and bars of the Neuse River.

Although minor signs of stratigraphic disturbance were found in the Unit 2–3 cultural material, the site appears to be largely intact. For example, of the approximately 200 sherds, all but four were found in the upper 50% of the deposits; three of the remainder are between 50 and 70% depth. (Depths in this summary are discussed in terms of percent of depth from the surface to the eroded lithologic Unit 1–2 contact, upon which the Late Archaic horizon rested. The percent depth notation adjusts for the differences in stratum thickness from one part of the site to another so that everything is seen as though in the same depth/stratum location.) One sherd was found at 80–90% depth. Complementing the sherd distribution was the distribution of Late Archaic Savannah River points, which were confined to below 60% depth except for one specimen at 30–40% depth.

CULTURAL STRATIGRAPHY

All technologies reflect a change of status of the cultural deposits at about 50–60% depth. Use of the local rhyolite-granite in quantity ended abruptly at 60% depth, while ceramic usage appeared at 50% depth. Interestingly, ceramics, after a promising initiation in the 50–60% depth, experienced a pause in frequency at the 40–50% depth. A parallel gap appears between 40–60% depth in points, with the use of Woodland points appearing above 40% depth.

From an environmental standpoint, the technological pause corresponds with the change from archaeological Stratum 2 to Stratum 3 at about 40–50% depth. Radiocarbon dating places this contact at about 2000 yr B.P., although cultural diagnostics suggest a somewhat older date. OCR determinations indicate a period of rapid sedimentation at that depth and an older date. The rapid sedimentation would imply an increase in flood volume providing for sediment laden water to overcap the levee more frequently, perhaps making it less habitable. Another possibility is that the “gap” is only apparent because increased sedimentation allowed a lower vertical density of artifacts within the context of a similar population presence.

The cultural occupations above and below 60% depth are distinct in every regard. The lower cultural strata (4–5) occupations are focused on use of local lithic material. A wide variety of tools scattered

evenly over the site implies a workshop area with some amount of specialization of activities. In addition to a component of Savannah River points that appear in functionally complementary sizes and shapes—one small, thin, and sharp, the other large, thick, and blunt—other tools appear. Three morphologies of bihafted push planes were identified, as well as piercers, hafted drills, and hafted scrapers.

Through time, the assemblage of debitage suggests a shift from local to Piedmont raw material sources. Use of coarser local material also escalates during the late Late Archaic/Early Woodland and continues through the Late Woodland, although supplanted to some extent by quartz and imported cherts. Parallel trends in reduction strategies and flake fragmentation follow the changes in material types. Before the pause, primary and secondary flakes were important in the assemblage, but afterward they diminish in frequency in favor of tertiary flakes. Medial fragments, the most usable portion of flakes, become more frequent in the later periods.

Prominently, the transition is marked by the introduction of ceramics to the assemblage. Net-impressed wares appear in an early ceramic level. This, however, is immediately before or during the pause in occupation debris. After the pause, fabric impression is the dominant mode of surface treatment, which seems to suggest that the Early Woodland was already under way before the pause, or perhaps more accurately, the introduction of ceramics to the Fall Line region. It is unclear whether occupation of the site was reduced during the pause, or the rapid deposition created an apparent pause, or some combination of the two.

Perhaps the most illuminating finding of the study of ceramics and lithic materials is that the focus of external relations seems to have shifted from the Coastal Plain to the Piedmont during the Early Woodland. This shift might have started during the late Late Archaic, although this possibility is based largely on negative evidence, i.e., low preferences for chert and black rhyolite from the Piedmont and increasing use of local coarse material. However, the net-impressed Deep Creek ware in the Early Woodland levels indicates a connection to the Coastal Plain. Sometime in the Early Woodland the focus of external relations clearly shifted from Coastal Plain to the Piedmont, as evidenced by the increasing popularity of chert and black rhyolite, and a Yadkinization of the ceramics toward a crushed quartz, fabric-impressed ware. The fabric impressions are generally of a fine fabric, but over time coarser fabric was added and later de-emphasized.

This apparent shift of technologies during the Early Woodland also corresponds to the shift in settlement pattern on the Coastal Plain from small sites on small tributaries to large sites on larger tributaries, as noted by Phelps (1983) and Herbert (1996), and on Wakefield Creek to a similar de-emphasis on hunting at the forest edge at site 31WA1390 (Gunn et al. 1998).

SEDIMENTARY SEQUENCE

Early and Middle Holocene

In a broader perspective, the ultimate research implications of Neuse Levee in the context of the Atlantic Slope and the Southeast are potentially significant from the earliest parts of its sediment record. The site rests on a thick sediment body that was deposited, apparently rather rapidly, in the Early Holocene between 7,000 and 10,000 years ago. Although this corresponds in time to the generally recognized episode of rapid sedimentation on the Atlantic Slope (Cable 1996), additional geomorphic analysis and correlation will be necessary to establish whether the Neuse Levee episode corresponds in regional sedimentation processes or was simply a function of local river meandering. Cable describes the laying down of the Early Holocene sands at the Haw River Sites: "These sands accumulated as a result of overbank flooding, beginning with the onset of increased stream flow at the Late Glacial/Early Holocene boundary" (Cable 1996; Larson 1982:109; Larson and Schuldenrein 1990:167). He also notes that the sands were deposited on an eroded lacustrine surface that probably represents the Clovis and Pre-Clovis

age range. Later in the discussion of cultural strata, Cable notes that one of the occupation surfaces in the sand/lamella couplets contained a mix of Kirk, Bifurcates, and Stanly (lamella 7/6, p. 113). This is interpreted to mean that there was an early Middle Holocene suspension of overbank flooding, which resumed in the Middle Holocene and resulted in an isolated Stanly/Morrow Mountain horizon (lamella 5/4, p. 113). As Stanly appears both above and below the hiatus, the increased deposition must have been during Stanly times.

The character and distribution of Early Holocene sands bear on what we can say about the likelihood of finding Paleoindian and Early Archaic deposits in this and other sites along the Neuse River. Was there a sudden surge of deposition in the basin in which we find Neuse Levee, and what does that have to do with erosion of uplands at that time? Would such a surge, followed by suspension of sedimentation, help explain the remarkable uniformity and advanced age of the Bt? Can we expect a regional hiatus in deposition before the beginning of the deposition in which the Savannah River horizon is deposited? Is the depth of the Bt basin locally or regionally related? Will the Paleoindian deposits below the Fall Line always be more than 4.5 m down as they would have been at Neuse Levee? Are there places we can find them at more obtainable depths?

Widespread evidence for extreme drought conditions across the southern United States at least from the Southern Plains to Florida in the early half of the 9500–10,000 B.P. date range. Similar evidence has been observed in the northern Great Basin and tied to the May–June insolation maximum (Davis 1984). In Maryland–Delaware, a similar drought condition has been identified, although more likely correlated with the June–July insolation rather than the May–June (Kellogg and Custer 1994; Millis et al. 1998). Could similar droughty conditions between these points in the Fall Line environ of North Carolina have precipitated a Pleistocene–Holocene transition increase in deposition, perhaps of unusual magnitude?

The topographic situation at Neuse Levee is in many ways similar to that of the Haw River sites. According to Larson and Schuldenrein (1990:164), the Haw River sites have about 2 m of sediments. They are located near the Fall Line, which dictates similar general sedimentation environments. The Haw River sites are located in a sedimentation basin between two bands of resistant rock that restrict the flow of water during floods and create slackwater conditions that encourage floodplain and levee formation.

At Neuse Levee, similar conditions are apparent. The sediment basin is 1.2 km long and 1.0 km wide at its widest point. The stream channel is extremely contorted in the basin, evidencing excessive sediment load borne by the stream within the confines of the basin.

Larson and Schuldenrein (1990:167) believe the Haw was downcut in the Pleistocene, after the last interglacial sea level highs created a 15.2–22.9-m terrace, which was downcut. The new sediments containing artifacts as old as Paleoindian and dating to the Terminal (Latest?) Pleistocene were as much as 2.2 m deep. Prolific Archaic-age artifacts were associated with reddish brown bands called lamellae. Petrographic examination of lamellae in the Neuse Levee deposits showed them to be illuvial iron accretions.

Late Holocene

As is typical of many sites, the later Holocene landforms at Neuse Levee were deposited at a much slower rate. The building of landforms broadly in equilibrium with the climate and hydrological circumstances of their climatic episode dictates that in the long term they will be built higher and therefore will become less accessible to all but the most extreme floods. Under these circumstances, changes in rates of deposition on the tops of landforms such as levees become of special interest because they could signal a change in the flood regime that implies more frequent and/or more depositionally rich floods. At Neuse Levee, a pause in the rate of artifact discard appears around the change from the Archaic to the Woodland. This could be due to a reduction in visits to the sites for other reasons. However, a close array of OCR dates seems to suggest that the pause was in part due to increased deposition rates.

Historic Period

During the historic era, the rates of deposition were very high. A whole new levee facies was added to the existing prehistoric levee. This correlates with similar findings on Richland Creek and Wakefield Creek. On Wakefield Creek, the effects of European agricultural practices were so extreme they produced the movement of a large part of the sediment load in the 1700s, probably in a single cataclysmic event producing what is called a "gravel ramp." The historic levee at 31WA1137 was probably produced as a part of this general movement of large sediment loads onto lowland settings.

SUMMARIES OF SPECIAL STUDIES

In this study we have attempted to use the whole of the landscape to inform interpretation of Neuse Levee as part of a series of archaeological sites from riverside to ridgetop. Using a topographic and geomorphic overview of the Neuse Levee and the sites on Wakefield Creek (a toposequence), several important insights were gained into the hypothesis that the Archaic to Woodland transition involved a reorientation of settlement patterns from uplands to lowlands. Clearly uplands and lowlands were utilized in both periods. The structure of that usage shifted, however. Because it is one of the rare Archaic-age floodplain sites, Neuse Levee will be important in regional understanding of Late Archaic floodplain settlements.

Neuse Levee seems to have been used as a lithic resource area in the Archaic. The wide range of lithic tool types and their unique configuration suggests unusual potential uses. The combination of small planing, piercing, scraping, and drilling implements and their riverine context suggest to us that they might have been used in building watercraft or some other similarly complex task involving the compositing of a number of materials. Although we know of no suitable bark in the area of present vegetation, the skins of large animals might be appropriate for building water craft. Sinews of such animals could also have been important. The wood burning, should it have been associated with the camp, might have been used in preparing canoe ribs or other structural members.

Ceramics in the Woodland levels imply more general use, perhaps fish processing, as suggested by elevated phosphorus readings. In the Wakefield Creek watershed, fishing probably played a role in the lower part of the drainage at Red Hawk Run (31WA1376), again based on high phosphorus measurements, but something else was pursued at 31WA1380: perhaps mast was processed and/or stored in thick-walled ceramics during the Woodland. The middle reaches seem to have been used for hunting on the riparian–upland vegetation zone transition. At 31WA1390 numerous broken biface tips from the early phase of the Early Woodland signal something rigorous, perhaps butchering; this would be expected on the riparian-upland vegetation zone transition. Except for hickory nut shells in the features, no evidence is apparent at Neuse Levee for any of the up-valley functions observed on Wakefield Creek.

Organic- (Non–Calcium-) Based Analyses

Archaeologists typically focus on calcium content of sites, whether from bones, shell, or chemical residue. Easily identifiable evidence of life systems such as shell and bone are the usual leads to the animal collecting habits of prehistoric inhabitants. These leads, however, are susceptible to dissolution in acidic soils. This is particularly true in older sites such as the 2,000- to 3,000-year-old components at Neuse Levee. Scarry and Scarry's (1997) research on archaeobotanical and zooarchaeological materials recovered in North Carolina shows only one site with archaeobotanical remains earlier than the Middle Woodland, although mammals such as deer and opossum are fairly common. The basic soil conditions of coastal zone shell middens have preserved most of these specimens.

Although less inherently visible, other organic substances are known to be more resistant to dispersion in the soil environment. These include more traditionally used nutrient components from decayed organic

tissues, such as phosphorus, which collects in clay lattices. These components can reside in the soil for long periods of time.

Also of importance are silica phytoliths. Phytoliths are the accumulated cell metabolism waste that remains after the carbon-based components disintegrate. Because they form within living plant cells, they take on some of the shape attributes of the cells and thus provide indications of plant taxa. An advantage of phytoliths is that they have a much greater size range than pollen grains, also a traditional indictor of past environments. Pollen grains' role in plant reproduction requires that they be dispersed by winds or insects; thus, pollen grains are typically appropriate sizes (aerosols) to be wind-borne. The consequence of this dispersion method is that pollen sampled from a site is typically not from the site. Because phytoliths range into sizes too large to be wind-borne, they can represent the vegetation from on-site or near-site conditions.

In future archaeological projects, and perhaps in future studies of the Neuse Levee sherds, it might be productive to study the soot and lipid residue on sherds. Biochemical and phytolith studies could yield extremely informative information.

Geochemical Analysis

As at Red Hawk Run (31WA1376), the most productive geochemical analysis was phosphorus. The location of the site adjacent to the Neuse River suggested during the project planning stage that it might have been used as a fishing station. In prehistoric and early historic times large runs of anadromous fish such as shad flooded into North Carolina streams in the spring to spawn. This would have been particularly true landward from the embayed section of the North Carolina coast, which provides excellent transitional habitat for ocean-going, inland-spawning fish. As in other parts of the world, such as the northwest coast of North America, such fish provided a rich resource that sustained elaborate social organizations. In the opinion of fish experts (V. Schneider, personal communication 1997), the fish would not have been able to travel upriver beyond the Falls of the Neuse 8 km upstream in dry years. Such a condition would have converged with great need for food in the spring by Piedmont populations, who would have been placed in precarious subsistence conditions by drought. All of this suggests that at least occasional, and probably regular trips would have been made to the Falls of the Neuse area in the spring to harvest a rich and reliable source of protein and fat.

In the case of Neuse Levee this is particularly suggestive in terms of the Woodland shift of orientation from Coastal Plain to Piedmont. The high Piedmont between the Fall Line and the Yadkin River seems, based on currently available evidence (Dickens et al. 1987; Eastman, personal communication 1998), to not have been occupied during the Early Woodland. However, as the Piedmont became occupied during the Middle and Late Woodland, so the orientation at Neuse Levee shifted from its Archaic–Early Woodland Coastal Plain roots to its Late Woodland Piedmont derivative. This suggests that occupation of the Piedmont required control of the Fall Line for survival in droughty years when the produce of the Piedmont was too limited to maintain living standards by horticulture alone. Whether this control was maintained through kinship, political, or military means remains to be investigated.

Phytoliths

A broadening range of phytolith analyses along the Atlantic Slope forms the basis for regional and local testing of habitats and effects of humans on vegetation (Rovner 1998). At the three Wakefield Creek sites, phytoliths provided a much-extended perspective on phytolith potential in such environments. Particularly noteworthy are items of information such as that the proposed feature at 31WA1380 was in an opening in the canopy. This could suggest, among other things, clearing of the immediate trees for firewood, or fire damage to the overstory vegetation. Additional information from important locations such as block B at 31WA1390 emerged from the presence of microscopic carbon particles found in the phytolith samples. The presence of these microcarbon specimens adds a different perspective on the

presence of biface tips. It suggests both rigorous use of bifaces, for tasks such as butchering, that resulted in their breakage and fire-related activity, either cooking or heating.

Ethnobotany

A few bits of carbon recovered from features at Neuse Levee added one bit of information to our understanding of the Archaic occupation. Most of the features contained both fuel and food remains. Whether the food remains (hickory nuts) represent mast processing or incidental inclusion is not known. A hickory nut shell was encountered in an auger hole 4.5 m below the surface on the basal gravels and dated to 10,160 B.P. Organic remains recovered from level sediments and dated to around 3800 B.P. were mostly pine, but hickory nut shell was also found in this context. Pine could have been used to make "pitch smoke" to repel mosquitoes, or used in construction.

Cultural Features

Neuse Levee features were identified in the field as concentrations of burned rock, two small rock clusters, and a small pit. In laboratory analysis, features were found by flotation to contain carbon particles in flotation. It is suspected that the burned rock features were at least in part food-related because of the nut shells, but could have been used in other ways to support camp manufacturing processes. The Neuse Levee rock features were much less substantial than those in the Wakefield Creek Early Woodland components, and contained no large rocks suggestive of vessel stands.

Lithics, Ceramics, and FCR

Activities areas were clearly identifiable in the Archaic levels through a unique tool kit. It consisted of a complex combination of tools that were probably used to work wood and probably other materials as well. It seems likely that the construction involved compositing a number of materials, perhaps into watercraft. After what appears to have been a very intense episode of this activity, perhaps one or a few visits, much less lithic waste was generated and the tools complex was reduced to points and utilized flakes. Lithic material types, fragmentation, and reduction stages suggest only transient occupations.

Over time the ceramic vessels in the Woodland levels were thickened and provided with larger temper. This is a generally recognized trend form the Early to Middle Woodland, and could represent a change of emphasis from cooking vessels to storage. However, the opposite trend has been noted in the Coastal Plain (Phelps 1983). Given the riverside location of Neuse Levee, one could also suggest vessels used in river transportation of bulk food commodities (Nassaney and Sassaman 1995). These foods could have been botanical in origin. However, it is possible that it was easier to catch anadromous fish at the Falls of the Neuse than in the open and wide rivers of the Coastal Plain, and that fish and fish products were being transported downstream past Neuse Levee. The vessels could have been broken during brief stopovers. A high incidence of rims and low incidence of bases was observed at Neuse Levee as compared to the Wakefield Creek sites. This finding is taken to reflect the transient nature of the Woodland camps, as the rims could be easily broken but not render the vessel unusable; the bases, less likely to be broken, would be found in more permanent sites where long-term use of vessels would result in their ultimate fracture and discard.

RESEARCH QUESTION CONCLUSIONS

The research questions for the excavations were organized into six domains: chronology, environment, material culture, subsistence, seasonality, and settlement.

Chronology

One of the objectives of the project was to develop fine-grained or sub-period insights into the chronology of the region. Because of the time spans registered in the site, most chronological concern was focused on the Late Archaic and Woodland. No evidence of Middle Archaic occupation was found at the site, as had been expected. The meaning and function of crude bifaces commonly classified as "Guilford," however, were greatly clarified. They were, at least in the Late Archaic, part of a broader took kit assemblage. It is an interesting question as to whether this trend was carried forward from the Middle Archaic.

The Early Woodland components at Neuse Levee do not provide an unambiguous answer to the question of the Early Woodland affiliation of the site because of the obscure relationships between Yadkin and Deep Creek ceramics. The apparently Early Woodland net-impressed ceramics at Neuse Levee match the type profile of Deep Creek in temper, thickness, and exterior treatment, although no cord-marked sherds (the hallmark of the series) were found.

The most important sub-period insight to emerge from the Neuse Levee strata is the Early Woodland pause accompanied by increased sedimentation in the site. The period of reduced artifact density between the Archaic and Woodland, or perhaps during the early phase of the Early Woodland, raises questions of some temporal duration in the archaeological literature of the region. The question of an Archaic–Woodland hiatus is long-standing and seemed to be discounted by Claggett and Cable's (1982) work on the Haw River. However, the stratigraphy at Neuse Levee and at 31WA1380 (Gunn et al. 1998) deserves consideration in this matter as well. Fiedel (1997) has suggested that there is evidence for an early first millennium B.C. population decline or collapse in the Northeast, which could have affected North Carolina Fall Line region as well. It corresponds to a climatic episode involving worldwide cooling and drying of environments (Gunn 1994c). Possibly, the proposed early onset of bow and arrow use in this region (see Woodall 1996) stemmed from some environmental trauma that made this technology more advantageous than the atlatl and dart. The appearance of small, slightly side-notched points (Eared Yadkin) in the middle first millennium B.C. could have followed experiments with small stemmed, notched, lanceolate, etc., points observed at Haw River and Wakefield Creek.

The Early Woodland presence at Neuse Levee is barely visible and does not compare in clarity with those in Wakefield Creek sites at the same time. On the other hand, no Late Woodland component was detected on Wakefield Creek, while it is clearly present, if ephemeral, at Neuse Levee. The shift in settlement pattern, so far as it can be detected from known sites in the Neuse Fall Line region, could have involved some use of the broken terrain around the Falls of the Neuse during the Early Woodland, possibly because of a more fishing- and hunting-oriented subsistence regime. A shift to fishing and farming in the Late Woodland focused attention on the flat, broad floodplains below the Fall Line and the less dissected areas of the Piedmont. Parallel developments have been observed in the Fall Line region at the Great Falls of the Potomac (Washington, D.C.).

At Neuse Levee, lithic material, flake reduction stage and flake fragmentation signals a shift from on-site to off-site sources and activity, and sedentary-to-mobile context, from the Archaic to the Late Woodland.

Intensity of Human Presence at Sites on or Overlooking the Neuse Fall Line

The occupation of the Neuse Fall Line archaeological sites varied with topographic position through time (Table 11.1). On a transect from the Neuse River floodplain to the ridgetop at Wakefield School, five sites have been intensively studied. Neuse Levee attracted one of the greatest temporal range of visitors of any of the five sites. Beginning about 3000 B.C., human presence on the levee was conspicuous. Neuse Levee and Red Hawk Run (31WA1376), near the confluence of Wakefield Creek and the Neuse River, were occupied during the Early Woodland as people turned to fishing for a greater part of their diet. Site 31WA1390 was probably a hunting station at the edge of the river vegetation zone. It was utilized during the Middle Archaic and in early years of the Early Woodland, when hunting was

apparently an important aspect of food acquisition, but seems to have been abandoned in the years following, which corresponds to Phelps's (1983) observation of site abandonment during the Early Woodland on the Coastal Plain. Site 31WA1380, protected by the upper valley wall, was the site of greatest enduring interest along Wakefield Creek; it was occupied in the Middle and Late Archaic by both Eared Yadkin (mid-first millenium B.C.) and Wakefield point people (late first millenium B.C.–A.D.500). Site 31WA1387, exposed on top of the ridge, was of interest during the Early and Middle Archaic, but not during subsequent periods. Why people preferred the ridgetop has been explored elsewhere (Gunn and Foss 1992; Gunn and Wilson 1993; Mouer 1991). A more terrestrially oriented Middle Archaic subsistence regime directed toward forest edge hunting and gathering of forest mast crops seems to have been at least in part responsible.

Table 11.1. Occupation Intensity of Middle Neuse Sites.

Period/Point Type	Start Date	31WA1137 Floodplain	31WA1376 Low	31WA1390 Medium	31WA1380 High	31WA1387 Ridge
L. Woodland Small Triangular	A.D. 1000	XX	—			
E. Woodland Wakefield	300 B.C.		X		X	
E. Woodland Eared Yadkin	500 B.C.	X	X	X	X	
E. Woodland Yadkin	500 B.C.	X				
L. Archaic Savannah River	2500 B.C.	XX	—			
M. Archaic Guilford	3500 B.C.				X	X
M. Archaic Morrow Mt.	5500 B.C.			X	X	X
E. Archaic Bifurcate	7000 B.C.					—
Paleoindian Hardaway	9000 B.C.		—			

Presence as: — = slight, X = present, XX = strongly present

Environment

The riverside depositional environment at Neuse Levee somewhat obscures relationships to regional environment because of channel shifts reworking the deposits. It would appear that, like at Haw River and other southeastern sites, an increase in runoff and less stable uplands filling of the floodplain began in the Early Holocene. After 7,000 years ago the levee was eroded, although it is unclear if that was due to climate or channel shifts. Deposition recommenced about 5,000 years ago. Again, it is unclear if the redeposition, on the main, was due to channel shifts or changes in climate context. It is possible that Late Holocene floods of greater depth allowed overflooding of the levee and thus resumption of deposition on the levee crest. Periods of rapid deposition at around A.D. 1100 and some time in the early first millennium B.C. appear to be particularly notable in this regard. Increased deposition or channel shifting could have obscured the locally available rhyolite/granite cobbles from the river, accounting in part for shifting preferences in lithic sources by inhabitants of the site.

Material Culture

Lithics at Neuse Levee revealed both an unusual Late Archaic tool kit and a shift of lithic materials sources between the Late Archaic and the Woodland. The Late Archaic tool kit appears to be very complex and perhaps unprecedented in composition compared to previous observation. It is composed of a complex of points of varying sizes and morphologies suggesting functional variants of the Savannah River type. Accompanying the points were planes, drills, piercers, scrapers, and flake choppers. Possibly the tool kit was used for some sort of composited construction such as house or, more likely given the location, watercraft manufacture. The Woodland lithics are the more usual complement of points and flake tools.

The ceramics associated with Neuse Levee appear to be Deep Creek and then Yadkin series. The Yadkin ceramics at the Wakefield Creek sites seem to bear a relationship to Roanoke River valley ceramics as much as to those of the Yadkin River (Gunn et al. 1998). This relationship is based on sandier temper, favored over grit. Ceramics and points as well (Wakefield/Piscataway in the Wakefield Creek sites)

support a northward-looking technology during the late Early Woodland. All of this evidence seems to bear the mark of a fishing-oriented influence or intrusion from the Chesapeake Bay area. To this can be added the early net-impressed ceramics at Neuse Levee, net impression being the *sine qua non* of Virginia ceramic traditions.

Subsistence

Subsistence information from Neuse Levee is sparse, perhaps because of nature of the site. Evidence of Archaic subsistence is limited to hickory nut shell, and the extensive tool kit suggests that the site might have served other purposes than production and/or consumption of food. Elevated phosphorus in the upper stratum could indicated fish processing in the Late Woodland.

Seasonality and Settlement

As at the Wakefield Creek sites, direct evidence of seasonality of use is elusive. Because Late Archaic and Woodland subsistence is thought to have been posited on advance storage technology, the presence of nut remains does not imply a summer-to-fall occupation. The phosphates could signal spring harvests of anadromous fish, but fishing in one form or another would have been possible in the Neuse at any time of the year.

In summary, some information on the occupation of the Neuse Levee during the Late Archaic and Woodland has been gained. During the Early Woodland a shift in technological emphasis diminished use of local material and increased reliance on imported lithics. Pre-Woodland occupations seem to have focused on wood-oriented workshop activities, possibly related to water transportation (e.g., making canoes of skin or bark). Woodland activities seem to have been domestic and subsistence related, perhaps fishing.

LATE ARCHAIC TO LATE WOODLAND SCENARIO

A possible summary scenario for occupation of the Neuse Fall Line region might be as follows. Around the turn of the first millennium B.C., the region was occupied groups using net-impressed ceramics and small stemmed points, perhaps related to the Deep Creek culture of the Coastal Plain. Some sort of disruption followed in the early part of the first millennium B.C., perhaps a local manifestation of the population reduction noted in the Northeast, and a global temperature downturn.

About the middle of the first millenium B.C., a Woodland group, using Eared Yadkin points, appeared at both Wakefield Creek and Neuse Levee. These points are also known to the south in Georgia and suggest that the culture had its focus in the southern Piedmont. Further support for this concept can be seen in the appearance of simple stamped Yadkin ceramics at Doerschuk, which are thought to also have a southern origin.

Probably late in the first millennium B.C., another influence appeared from the Chesapeake Bay area. They had Wakefield points, a variant of the Virginia–Maryland Piscataway point. They seem to have hunted less at the riparian–valley wall vegetation transition, and probably focused more on fishing. There was a general movement toward settlements on floodplains of large streams.

At some time during the first millennium A.D., attention turned away from the Falls of the Neuse and toward broad floodplains. The only evidence of Late Woodland occupations on Wakefield Creek is an occasional surface find of small triangular points at low elevations as at Red Hawk Run. At Neuse Levee, the strongest expression of Woodland is Late Woodland with both ceramics and points in context. The component is so ephemeral, however, that it is probably a waystation, either terrestrial or waterborne, en route to a more substantial, and as yet unrecognized, site elsewhere.

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APPENDIX 1: ARTIFACT INVENTORY

31WA1137 - Neuse River Ph. III Artifact Catalog

Bag	Unit	Coord East	Coord North	Strat	Depth Top	Depth Bot	Fea	Str Ele	No.	Type	Frag	Mat	Color	Description	PWid	FWid
1	13	120	103	1.2	10	20		0.38	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
2	13	120	103	2.1	20	30		0.38	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
2	13	120	103	2.1	20	30		0.38	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
3	13	120	103	2.2	30	40		0.38	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
4	13	120	103	2.3	40	50		0.38	1	1.1	4	1	8	Flake, primary unsp, whole, rhyolite, dk. gray	6.2	4
5	25	122	91	1.1	0	10		0.49	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
5	25	122	91	1.1	0	10		0.49	1	3	2	4	11	Flake, tertiary medial frag, chert, black		
5	*25*	*122*	*91*	*1.1*	*0*	*10*		*0.49*	*1*	*12*		*10*	*7*	*Soapstone chip - possible pipe bowl frag, gray*		
5	*25*	*122*	*91*	*1.1*	*0*	*10*		*0.49*	*1*	*12*		*10*	*7*	*Soapstone chip - possible pipe bowl frag, gray*		
5	25	122	91	1.1	0	10		0.49	1	25		10	7	Soapstone chip, gray		
6	25	122	91	1.2	10	20		0.49	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.9	4
6	25	122	91	1.2	10	20		0.49	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	8.9	4
6	25	122	91	1.2	10	20		0.49	1	3	6	1	20	Flake, tertiary chunk, rhyolite, gray coarse		
6	25	122	91	1.2	10	20		0.49	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
6	25	122	91	1.2	10	20		0.49	1	3	1	2	2	Flake, tertiary platform frag, quartz, white		
6	25	122	91	1.2	10	20		0.49	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
6	25	122	91	1.2	10	20		0.49	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
6	25	122	91	1.2	10	20		0.49	1	3.2	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	3
7	25	122	91	1.3	20	30		0.49	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
7	25	122	91	1.3	20	30		0.49	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, brown		
7	25	122	91	1.3	20	30		0.49	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
7	25	122	91	1.3	20	30		0.49	3	9		7		Sherdlet, grit tempered, uid surface		
8	25	122	91	2.1	30	40		0.49	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
8	25	122	91	2.1	30	40		0.49	1	9		7		Sherd, grit tempered, uid surface		
9	25	122	91	2.2	40	50		0.49	1			2	3	River cobble, quartz, tan		
10	25	122	91	2.3	50	60		0.49	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.2	2
10	25	122	91	2.3	50	60		0.49	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
11	25	122	91	2.4	60	70		0.49	1	3.2	4	1	6	Flake, tertiary bif thin, rhyolite, lt. gray	4.6	2
12	25	122	91	3.1	70	80		0.49	2	8		2	3	FCR, quartz, tan		
12	25	122	91	3.1	70	80		0.49	1	1	5	1	3	Flake, primary shatter, rhyolite, tan		
12	*25*	*122*	*91*	*3.1*	*70*	*80*		*0.49*	*1*	*3.2*	*11*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*7.3*	*2*
12	*25*	*122*	*91*	*3.1*	*70*	*80*		*0.49*	*1*	*3.2*	*11*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*5.8*	*2*
12	*25*	*122*	*91*	*3.1*	*70*	*80*		*0.49*	*1*	*3.2*	*11*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*7.2*	*2*
12	25	122	91	3.1	70	80		0.49	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
12	25	122	91	3.1	70	80		0.49	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
12	25	122	91	3.1	70	80		0.49	1	3.1	10	1	9	Flake, tertiary unsp, rhyolite, green	6.8	3
13	54	122	94	1.3	25	35		0.76	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
13	*54*	*122*	*94*	*1.3*	*25*	*35*		*0.76*	*1*	*12*			*8*	*Groundstone flake?, slate?, dk. gray*		
13	*54*	*122*	*94*	*1.3*	*25*	*35*		*0.76*	*1*	*12*			*8*	*Groundstone flake?, slate?, dk. gray*		
13	*54*	*122*	*94*	*1.3*	*25*	*35*		*0.76*	*1*	*4.1*	*10*	*1*	*4*	*Utilized flake, tertiary unsp, rhyolite, brown*	*4.9*	*4*
13	*54*	*122*	*94*	*1.3*	*25*	*35*		*0.76*	*1*	*4.1*	*10*	*1*	*4*	*Utilized flake, tertiary unsp, rhyolite, brown*	*4.9*	*4*
14	54	122	94	2.1	35	45		0.76	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.3	2
14	54	122	94	2.1	35	45			1	6		1		Point, rhyolite		
14	54	122	94	2.1	35	45		0.76	1	25		1	3	Raw material, rhyolite, tan		
15	54	122	94	2.2	45	55		0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
16	54	122	94	2.3	55	65		0.76	1	8		2	3	FCR, quartz, tan		
16	54	122	94	2.3	55	65		0.76	1	2	1	1	9	Flake, secondary platform frag, rhyolite, green		
16	54	122	94	2.3	55	65		0.76	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
16	54	122	94	2.3	55	65		0.76	1	3	12	1	9	Flake, tertiary unsp ground, rhyolite, green	6.1	3
16	*54*	*122*	*94*	*2.3*	*55*	*65*		*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*8.2*	*2*
16	*54*	*122*	*94*	*2.3*	*55*	*65*		*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*5.7*	*4*
16	54	122	94	2.3	55	65		0.76	1	25		1	3	Raw material, rhyolite, tan		
17	54	122	94	2.4	65	75		0.76	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	12.2	5
17	54	122	94	2.4	65	75		0.76	2	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
17	54	122	94	2.4	65	75		0.76	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
17	54	122	94	2.4	65	75		0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
17	54	122	94	2.4	65	75		0.76	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
17	54	122	94	2.4	65	75		0.76	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	12.3	5
17	54	122	94	2.4	65	75		0.76	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	10.3	3
18	54	122	94	2.5	75	85		0.76	1	23		23		Charcoal, < 0.1 g.		
18	54	122	94	2.5	75	85		0.76	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	17	4
18	54	122	94	2.5	75	85		0.76	1	2.2	4	1	9	Flake, secondary bif thin, rhyolite, green	6.3	2
18	54	122	94	2.5	75	85		0.76	1	2	2	1	3	Flake, secondary medial frag, rhyolite, tan		
18	*54*	*122*	*94*	*2.5*	*75*	*85*		*0.76*	*1*	*2*	*1*	*1*	*9*	*Flake, secondary platform frag, rhyolite, green*		
18	*54*	*122*	*94*	*2.5*	*75*	*85*		*0.76*	*1*	*2*	*1*	*1*	*9*	*Flake, secondary platform frag, rhyolite, green*		

18	54	122	94	2.5	75	85	0.76	1	2	5	1	20	Flake, secondary shatter, rhyolite, gray coarse		
18	54	122	94	2.5	75	85	0.76	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
18	54	122	94	2.5	75	85	0.76	3	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
18	54	122	94	2.5	75	85	0.76	1	2.1	4	1	20	Flake, secondary unsp, rhyolite, gray coarse	8.8	5
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*9.4*	*3*
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*3.8*	*4*
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*3.3*	*2*
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*3.1*	*4*
18	54	122	94	2.5	75	85	0.76	1	2.1	4	1	3	Flake, secondary unsp, rhyolite, tan	4.9	2
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*8.3*	*3*
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*4.2*	*2*
18	54	122	94	2.5	75	85	0.76	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
18	54	122	94	2.5	75	85	0.76	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
18	54	122	94	2.5	75	85	0.76	1	3	2	1	3	Flake, tertiary medial frag, rhyolite, tan		
18	54	122	94	2.5	75	85	0.76	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
18	54	122	94	2.5	75	85	0.76	1	3	5	1	3	Flake, tertiary shatter, rhyolite, tan		
18	54	122	94	2.5	75	85	0.76	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*8.6*	*3*
18	*54*	*122*	*94*	*2.5*	*75*	*85*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*17.9*	*5*
18	54	122	94	2.5	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.1	2
19	54	122	94	2.6	85	95	0.76	1	1	6	2	3	Flake, primary chunk, quartz, tan		
19	54	122	94	2.6	85	95	0.76	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	1	1	5	1	20	Flake, primary shatter, rhyolite, gray coarse		
19	54	122	94	2.6	85	95	0.76	2	1	5	1	3	Flake, primary shatter, rhyolite, tan		
19	54	122	94	2.6	85	95	0.76	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	1	1.1	4	1	20	Flake, primary unsp, rhyolite, gray coarse	13.8	5
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*21.1*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*11.2*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*7.3*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*16.4*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*13.2*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*9.1*	*3*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*10*	*5*
19	54	122	94	2.6	85	95	0.76	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	2	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	2	2	1	1	9	Flake, secondary platform frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	2	2	5	1	6	Flake, secondary shatter, rhyolite, dk. gray		
19	54	122	94	2.6	85	95	0.76	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	13.8	5
19	54	122	94	2.6	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	9.8	5
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*14.9*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*24.4*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*12.1*	*4*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*15*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*10.8*	*3*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*6*	*2*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*20.1*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*6*	*Flake, secondary unsp, rhyolite, lt. gray*	*10.8*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*6*	*Flake, secondary unsp, rhyolite, lt. gray*	*18.9*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*6*	*Flake, secondary unsp, rhyolite, lt. gray*	*21*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*2.1*	*4*	*1*	*6*	*Flake, secondary unsp, rhyolite, lt. gray*	*17.6*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*4.5*	*2*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*7.4*	*2*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*8.6*	*2*
19	54	122	94	2.6	85	95	0.76	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
19	54	122	94	2.6	85	95	0.76	18	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
19	54	122	94	2.6	85	95	0.76	8	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
19	54	122	94	2.6	85	95	0.76	1	3	2	1	3	Flake, tertiary medial frag, rhyolite, tan		
19	54	122	94	2.6	85	95	0.76	6	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	5	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
19	54	122	94	2.6	85	95	0.76	9	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
19	54	122	94	2.6	85	95	0.76	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
19	54	122	94	2.6	85	95	0.76	1	3	3	1	3	Flake, tertiary terminal frag, rhyolite, tan		
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*11.1*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*6.9*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*5.1*	*2*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*8.9*	*3*

19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*7.3*	*3*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*18.8*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*11.6*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*20.9*	*5*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*9.8*	*3*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*5.6*	*3*
19	*54*	*122*	*94*	*2.6*	*85*	*95*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*6.9*	*3*
19	54	122	94	2.6	85	95	0.76	2	25		1	20	Raw material, rhyolite, gray coarse		
20	54	122	94	3.1	95	105	0.76	1	1	1	1	6	Flake, primary platform frag, rhyolite, lt. gray		
20	54	122	94	3.1	95	105	0.76	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	1	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray		
20	54	122	94	3.1	95	105	0.76	2	1	5	1	3	Flake, primary shatter, rhyolite, tan		
20	54	122	94	3.1	95	105	0.76	5	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*21.1*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*33.6*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*20.3*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*11.4*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*19*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*14.9*	*4*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*11.5*	*3*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*6.4*	*4*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*7.5*	*4*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, rhyolite, green*	*5.8*	*3*
20	54	122	94	3.1	95	105	0.76	1	1.1	4	1	6	Flake, primary unsp, rhyolite, lt. gray	8.2	3
20	54	122	94	3.1	95	105	0.76	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	2	2	1	1	9	Flake, secondary platform frag, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	5	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*24.7*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*26.5*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*10.6*	*3*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*19.4*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, rhyolite, green*	*22.9*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*11.3*	*3*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*3.9*	*3*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*7.9*	*2*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*7.1*	*2*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, rhyolite, green*	*4.9*	*3*
20	54	122	94	3.1	95	105	0.76	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3*	*6*	*1*	*9*	*Flake, tertiary chunk, rhyolite, green*		
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*3*	*3*	*6*	*1*	*9*	*Flake, tertiary chunk, rhyolite, green*		
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3*	*6*	*1*	*6*	*Flake, tertiary chunk, rhyolite, lt. gray*		
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*11*	*3*	*6*	*1*	*6*	*Flake, tertiary chunk, rhyolite, lt. gray*		
20	54	122	94	3.1	95	105	0.76	10	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	2	3	1	1	9	Flake, tertiary platform frag, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	1	3	1	1	6	Flake, tertiary platform frag, rhyolite, lt. gray		
20	54	122	94	3.1	95	105	0.76	5	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	5	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
20	54	122	94	3.1	95	105	0.76	9	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
20	54	122	94	3.1	95	105	0.76	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
20	54	122	94	3.1	95	105	0.76	1	3.1	4	1	20	Flake, tertiary unsp, rhyolite, gray coarse	4.2	3
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*11.1*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*6*	*4*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*5.9*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*8.6*	*2*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, rhyolite, green*	*6.2*	*3*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*6.5*	*4*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*11.4*	*5*
20	*54*	*122*	*94*	*3.1*	*95*	*105*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, rhyolite, lt. gray*	*6.1*	*3*
20	54	122	94	3.1	95	105	0.76	1	25		1	6	Raw material, rhyolite, lt. gray		
21	54	122	94	3.2	105	115	0.76	1	8		2	3	FCR, quartz, tan		
21	54	122	94	3.2	105	115	0.76	2	1	2	1	3	Flake, primary medial frag, rhyolite, tan		
21	54	122	94	3.2	105	115	0.76	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
21	54	122	94	3.2	105	115	0.76	1	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray		
21	54	122	94	3.2	105	115	0.76	2	1	5	1	3	Flake, primary shatter, rhyolite, tan		
21	54	122	94	3.2	105	115	0.76	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
21	54	122	94	3.2	105	115	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.4	4

21	54	122	94	3.2	105	115	0.76	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
21	54	122	94	3.2	105	115	0.76	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*11.2*	*4*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*9*	*5*
21	54	122	94	3.2	105	115	0.76	1	3.2	4	1	20	Flake, tertiary bif thin, whole, rhyolite, gray coarse	4.5	3
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.4*	*3*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*2.1*	*3*
21	54	122	94	3.2	105	115	0.76	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
21	54	122	94	3.2	105	115	0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
21	54	122	94	3.2	105	115	0.76	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
21	54	122	94	3.2	105	115	0.76	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
21	54	122	94	3.2	105	115	0.76	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*2.9*	*2*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.4*	*5*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.8*	*4*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.8*	*5*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.3*	*2*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*10*	*4*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.8*	*3*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.8*	*4*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.3*	*3*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*18.2*	*5*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*38.1*	*5*
21	*54*	*122*	*94*	*3.2*	*105*	*115*	*0.76*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*7.1*	*3*
22	54	122	94	3.3	115	125	0.76	1	8		2	3	FCR, quartz, tan		
22	54	122	94	3.3	115	125	0.76	1	1	5	1	3	Flake, primary shatter, rhyolite, tan		
22	54	122	94	3.3	115	125	0.76	1	1	3	1	9	Flake, primary terminal frag, rhyolite. green		
22	54	122	94	3.3	115	125	0.76	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	6.4	2
22	54	122	94	3.3	115	125	0.76	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	11.9	3
22	54	122	94	3.3	115	125	0.76	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
22	54	122	94	3.3	115	125	0.76	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
22	54	122	94	3.3	115	125	0.76	2	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
22	54	122	94	3.3	115	125	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
23	23	122	95	1.1	0	10	0.49	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
24	23	122	95	1.2	10	20	0.49	1	8		0	4	FCR (possible), sandstone, brown		
25	23	122	95	1.3	20	30	0.49	1	2.1	4	1	9	Flake, secondary bif thin, whole, rhyolite, green	11.1	4
25	*23*	*122*	*95*	*1.3*	*20*	*30*	*0.49*	*1*	*2.1*	*4*	*1*	*8*	*Flake, secondary unsp, whole, rhyolite, dk. gray*	*5.3*	*3*
25	*23*	*122*	*95*	*1.3*	*20*	*30*	*0.49*	*1*	*2.1*	*4*	*1*	*8*	*Flake, secondary unsp, whole, rhyolite, dk. gray*	*3.7*	*4*
26	23	122	95	2.1	30	40	0.49	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
26	23	122	95	2.1	30	40	0.49	1	1.1	4	1	8	Flake, primary unsp, whole, rhyolite, dk. gray	10	3
26	23	122	95	2.1	30	40	0.49	1	3	1	1	9	Flake, tertiary platform frag, rhyolite, green		
26	23	122	95	2.1	30	40	0.49	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
26	23	122	95	2.1	30	40	0.49	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
26	23	122	95	2.1	30	40	0.49	1	9		6		Sherdlet, sand temp, uid surface		
27	23	122	95	2.2	40	50	0.49	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.1	4
27	23	122	95	2.2	40	50	0.49	1	25		2	3	River cobble, quartz, tan		
28	23	122	95	2.3	50	60	0.49	1	1.1	4	1	20	Flake, primary unsp, whole, rhyolite, gray coarse	11.7	5
28	23	122	95	2.3	50	60	0.49	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8	2
28	23	122	95	2.3	50	60	0.49	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	9.7	3
28	23	122	95	2.3	50	60	0.49	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
28	23	122	95	2.3	50	60	0.49	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.2	3
28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.3*	*2*
28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.5*	*2*
28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.4*	*2*
28	23	122	95	2.3	50	60	0.49	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
28	23	122	95	2.3	50	60	0.49	6	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
28	23	122	95	2.3	50	60	0.49	1	3	5	1	3	Flake, tertiary shatter, rhyolite, tan		
28	23	122	95	2.3	50	60	0.49	10	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
28	23	122	95	2.3	50	60	0.49	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
28	23	122	95	2.3	50	60	0.49	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	9.5	2
28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*15.2*	*3*
28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.5*	*2*

28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*3.8*	*3*
28	*23*	*122*	*95*	*2.3*	*50*	*60*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*10.9*	*4*
28	23	122	95	2.3	50	60	0.49	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.9	2
28	23	122	95	2.3	50	60	0.49	1	3	6	1	9	Flake, tetiary chunk, rhyolite, green		
29	23	122	95	2.4	60	70	0.49	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
29	23	122	95	2.4	60	70	0.49	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
29	23	122	95	2.4	60	70	0.49	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	6.8	2
29	23	122	95	2.4	60	70	0.49	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.7	3
29	23	122	95	2.4	60	70	0.49	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	12.1	5
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*2.6*	*2*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.8*	*2*
29	23	122	95	2.4	60	70	0.49	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
29	23	122	95	2.4	60	70	0.49	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
29	23	122	95	2.4	60	70	0.49	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
29	23	122	95	2.4	60	70	0.49	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
29	23	122	95	2.4	60	70	0.49	1	3	5	1	3	Flake, tertiary shatter, rhyolite, tan		
29	23	122	95	2.4	60	70	0.49	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
29	23	122	95	2.4	60	70	0.49	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*1*	*1*	*9*	*Flake, tertiary unsp, platform frag, rhyolite, green*		
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*1*	*1*	*9*	*Flake, tertiary unsp, platform frag, rhyolite, green*		
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.4*	*5*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.8*	*3*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.5*	*4*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.7*	*3*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.2*	*3*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.8*	*2*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.8*	*3*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.4*	*4*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.3*	*2*
29	*23*	*122*	*95*	*2.4*	*60*	*70*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*28.9*	*5*
29	23	122	95	2.4	60	70	0.49	1	25		2	3	River cobble, quartz, tan		
30	23	122	95	3.1	70	80	0.49	1	7		1	9	Core (small), rhyolite, green		
30	23	122	95	3.1	70	80	0.49	1	7		1	9	Core, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	1	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray		
30	23	122	95	3.1	70	80	0.49	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	1	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray		
30	23	122	95	3.1	70	80	0.49	3	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	1	1.1	4	3	3	Flake, primary unsp, whole, quartzite, tan	2.9	2
30	23	122	95	3.1	70	80	0.49	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.7	4
30	23	122	95	3.1	70	80	0.49	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	5.9	2
30	23	122	95	3.1	70	80	0.49	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	2	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	1	2.1	4	3	3	Flake, secondary unsp, whole, quartzite, tan	8.7	3
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*40.6*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*12.8*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*5.1*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*11.9*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*29.5*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*45.3*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*5.5*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.5*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.2*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.4*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.2*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.9*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.4*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.8*	*2*
30	23	122	95	3.1	70	80	0.49	1	3.2	4	1	3	Flake, tertiary bif thin, whole, rhyolite, tan	4.2	3
30	23	122	95	3.1	70	80	0.49	1	3	6	1	20	Flake, tertiary chunk, rhyolite, gray coarse		
30	23	122	95	3.1	70	80	0.49	4	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	2	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
30	23	122	95	3.1	70	80	0.49	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, gray coarse		
30	23	122	95	3.1	70	80	0.49	7	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	20	3	5	1	9	Flake, tertiary shatter, rhyolite, green		

30	23	122	95	3.1	70	80	0.49	5	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
30	23	122	95	3.1	70	80	0.49	4	3	3	1	6	Flake, tertiary terimnal frag, rhyolite, lt. gray		
30	23	122	95	3.1	70	80	0.49	21	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
30	23	122	95	3.1	70	80	0.49	5	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*27.5*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*28.5*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*15.7*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*11.2*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*14*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*10.8*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*7.2*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*26.9*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*11.7*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.4*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*45.1*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*22.9*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*24.8*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*26.3*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*10.7*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*17.7*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.7*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*10.6*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.4*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.7*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.4*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*14.2*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.5*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.5*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*18*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.1*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*31.6*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*14.1*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.6*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.7*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.9*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.3*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.5*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.1*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*2.9*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.9*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*18.1*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*10*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*16.9*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*7.1*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*7.4*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*21.4*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*10*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*13.9*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*9*	*5*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*17.2*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*10*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*8.3*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*4.7*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*6.1*	*3*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*2.9*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*6.1*	*2*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*14.7*	*4*
30	*23*	*122*	*95*	*3.1*	*70*	*80*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*6.6*	*2*
30	23	122	95	3.1	70	80	0.49	3	25		2	3	River cobble, quartz, tan		

31	23	122	95	3.2	80	90	0.49	1	7		1	6	Core frag, rhyolite, lt. gray	
31	23	122	95	3.2	80	90	0.49	1	7		1	6	Core frag, rhyolite, lt. gray	
31	23	122	95	3.2	80	90	0.49	1	1	6	1	9	Flake, primary chunk, rhyolite, green	
31	23	122	95	3.2	80	90	0.49	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green	
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*17.9*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*23*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*8.4*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*8.1*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*8.4*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*8.6*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*6.6*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*4.3*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*6*	*Flake, primary unsp, whole, rhyolite, lt. gray*	*25.5*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*6*	*Flake, primary unsp, whole, rhyolite, lt. gray*	*35.2*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*6*	*Flake, primary unsp, whole, rhyolite, lt. gray*	*11.5*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*6*	*Flake, primary unsp, whole, rhyolite, lt. gray*	*29.4*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*1.1*	*4*	*1*	*6*	*Flake, primary unsp, whole, rhyolite, lt. gray*	*9.5*	*5*
31	23	122	95	3.2	80	90	0.49	1	2.2	4	1	9	Flake, secondary bif thin, whole, rhyolite, green	6.4	2
31	23	122	95	3.2	80	90	0.49	1	2	5	1	20	Flake, secondary shatter, rhyolite, gray coarse		
31	23	122	95	3.2	80	90	0.49	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	1	2	5	1	3	Flake, secondary shatter, rhyolite, tan		
31	23	122	95	3.2	80	90	0.49	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*19.5*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*5.6*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*6.5*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*15.6*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*9.2*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*11.3*	*3*
31	23	122	95	3.2	80	90	0.49	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11.7	5
31	23	122	95	3.2	80	90	0.49	1	3.4	4	1	9	Flake, tertiary bif thin - ground, whole, rhyolite, green	9.6	4
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*15.1*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*10.3*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.2*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.6*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*8.4*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.8*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.1*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*5.5*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.7*	*2*
31	23	122	95	3.2	80	90	0.49	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.5	2
31	23	122	95	3.2	80	90	0.49	8	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	5	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
31	23	122	95	3.2	80	90	0.49	14	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	6	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
31	23	122	95	3.2	80	90	0.49	21	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	10	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
31	23	122	95	3.2	80	90	0.49	27	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	1	3.1	1	1	20	Flake, tertiary unsp, platform frag, rhyolite, gray coarse		
31	23	122	95	3.2	80	90	0.49	13	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
31	23	122	95	3.2	80	90	0.49	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
31	23	122	95	3.2	80	90	0.49	1	3.1	4	3	3	Flake, tertiary unsp, whole, quartzite, tan	4.2	2
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*12*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*18.7*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*20*	*Flake, tertiary unsp, whole, rhyolite, gray coarse*	*7.1*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*22.8*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*25.7*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*29.7*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*19*	*5*

31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*18.1*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*11.9*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*12*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*14.4*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.5*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*35.3*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*19.2*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.4*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*17.3*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*17.9*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.8*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.2*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.7*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.3*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*11.5*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*17.2*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.9*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.4*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.1*	*1*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*15.4*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*18.4*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.8*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.5*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.4*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.9*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*14.2*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.6*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4*	*1*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.4*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.9*	*1*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*14.5*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*11*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*12.1*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*6.2*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*8.4*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*16.4*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*12.1*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*14.2*	*4*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*8*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*5.3*	*2*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*8.3*	*3*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*14.2*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*11.6*	*5*
31	*23*	*122*	*95*	*3.2*	*80*	*90*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*10.5*	*3*
31	**23**	**122**	**95**	**3.2**	**80**	**90**	**0.49**	**1**	**6**	**3**	**1**	**6**	**Point, tip frag, rhyolite, lt. gray**		
31	23	122	95	3.2	80	90	0.49	5	25		1	20	Raw material, rhyolite, gray coarse		
31	23	122	95	3.2	80	90	0.49	2	25		1	6	Raw material, rhyolite, lt. gray		
32	23	122	95	4.1	90	100	0.49	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	3	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
32	23	122	95	4.1	90	100	0.49	1	1.1	4	2	2	Flake, primary unsp, whole, quartz, white	11.9	3
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*6.8*	*4*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*1.1*	*4*	*1*	*9*	*Flake, primary unsp, whole, rhyolite, green*	*7.7*	*2*
32	23	122	95	4.1	90	100	0.49	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	17.2	5
32	23	122	95	4.1	90	100	0.49	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*13.8*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*9.3*	*2*
32	23	122	95	4.1	90	100	0.49	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	22	5
32	23	122	95	4.1	90	100	0.49	1	3.1	1	1	6	Flake, tertiary bif thin, platform frag, rhyolite, lt. gray		
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*2.9*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*2.5*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.8*	*2*

32	23	122	95	4.1	90	100	0.49	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	10.3	3
32	23	122	95	4.1	90	100	0.49	1	3.4	1	1	9	Flake, tertiary bif thin-ground, platform frag, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	4	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	1	3	2	1	20	Flake, tertiary medial frag, rhyolite, gray coarse		
32	23	122	95	4.1	90	100	0.49	11	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	3	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
32	23	122	95	4.1	90	100	0.49	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
32	23	122	95	4.1	90	100	0.49	9	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	3	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
32	23	122	95	4.1	90	100	0.49	3	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
32	23	122	95	4.1	90	100	0.49	16	3	3	1	9	Flake, tertiary terminal, frag, rhyolite, green		
32	23	122	95	4.1	90	100	0.49	7	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.9*	*4*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*26.5*	*5*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.8*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*13.3*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*12.4*	*4*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*11.8*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*15.1*	*5*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*18.6*	*5*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*15.6*	*4*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*21.6*	*5*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.8*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.7*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.4*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.4*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.5*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.6*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.2*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.9*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.8*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.4*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*4.2*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*13.5*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*5.2*	*4*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*12*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*13.2*	*3*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*6.3*	*2*
32	*23*	*122*	*95*	*4.1*	*90*	*100*	*0.49*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*4*	*2*
33	23	122	95	4.2	100	110	0.49	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.5	3
33	23	122	95	4.2	100	110	0.49	1	3.1	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.6*	*2*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.6*	*2*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*2.7*	*2*
33	23	122	95	4.2	100	110	0.49	1	3.4	4	1	9	Flake, tertiary bif thin-ground, whole, rhyolite, green	7.1	2
33	23	122	95	4.2	100	110	0.49	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*3*	*3*	*2*	*1*	*9*	*Flake, tertiary medial frag, rhyolite, green*		
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*3*	*3*	*3*	*1*	*9*	*Flake, tertiary medial frag, rhyolite, green*		
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*19.8*	*5*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*21.6*	*5*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*20.2*	*5*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*13.9*	*3*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*20.9*	*5*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*11.5*	*3*
33	*23*	*122*	*95*	*4.2*	*100*	*110*	*0.49*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.3*	*2*
33	23	122	95	4.2	100	110	0.49	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	2.8	2
34	23	122	95	4.4	120	130	0.49	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
35	*35*	*122*	*96*	*1.2*	*10*	*20*	*0.5*	*1*	*3.2*	*4*	*4*	*8*	*Flake, tertiary bif thin, whole, chert, dk. gray*	*4.2*	*4*
35	*35*	*122*	*96*	*1.2*	*10*	*20*	*0.5*	*1*	*3.2*	*4*	*4*	*8*	*Flake, tertiary bif thin, whole, chert, dk. gray*	*3.4*	*2*
35	*35*	*122*	*96*	*1.2*	*10*	*20*	*0.5*	*1*	*3.2*	*4*	*4*	*8*	*Flake, tertiary bif thin, whole, chert, dk. gray*	*3.8*	*2*
35	35	122	96	1.2	10	20	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
35	35	122	96	1.2	10	20	0.5	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		

35	35	122	96	1.2	10	20	0.5	1	3	3	4	8	Flake, tertiary terminal frag, chert, dk. gray		
36	35	122	96	1.3	20	30	0.5	1	23		23		Charcoal, <0.1 g		
36	35	122	96	1.3	20	30	0.5	1	1.1	4	1	11	Flake, primary unsp, whole, rhyolite, black	5.3	5
36	*35*	*122*	*96*	*1.3*	*20*	*30*	*0.5*	*1*	*3.2*	*4*	*4*	*8*	*Flake, tertiary bif thin, whole, chert, dk. gray*	*2.2*	*2*
36	*35*	*122*	*96*	*1.3*	*20*	*30*	*0.5*	*1*	*3.2*	*4*	*4*	*8*	*Flake, tertiary bif thin, whole, chert, dk. gray*	*6.8*	*2*
36	35	122	96	1.3	20	30	0.5	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	6.8	2
36	35	122	96	1.3	20	30	0.5	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
36	35	122	96	1.3	20	30	0.5	1	3	2	4	9	Flake, tertiary medial frag, chert, green		
36	35	122	96	1.3	20	30	0.5	1	3	3	4	8	Flake, tertiary terminal frag, chert, dk. gray		
36	35	122	96	1.3	20	30	0.5	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
36	35	122	96	1.3	20	30	0.5	1	3.1	4	4	7	Flake, tertiary unsp, whole, chert, gray	5.9	3
37	35	122	96	2.1	30	40	0.5	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
37	35	122	96	2.1	30	40	0.5	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	7.2	3
37	*35*	*122*	*96*	*2.1*	*30*	*40*	*0.5*	*1*	*3.1*	*4*	*1*	*7*	*Flake, tertiary unsp, whole, rhyolite, gray*	*7.3*	*5*
37	*35*	*122*	*96*	*2.1*	*30*	*40*	*0.5*	*1*	*3.1*	*4*	*1*	*7*	*Flake, tertiary unsp, whole, rhyolite, gray*	*8.2*	*4*
37	*35*	*122*	*96*	*2.1*	*30*	*40*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.3*	*3*
37	*35*	*122*	*96*	*2.1*	*30*	*40*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*3.5*	*2*
37	*35*	*122*	*96*	*2.1*	*30*	*40*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*6.2*	*3*
37	35	122	96	2.1	30	40	0.5	1	9		6		Sherdlet, sand temper, uid surface		
38	*35*	*122*	*96*	*2.2*	*40*	*50*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.2*	*2*
38	*35*	*122*	*96*	*2.2*	*40*	*50*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.7*	*2*
38	35	122	96	2.2	40	50	0.5	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
38	35	122	96	2.2	40	50	0.5	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
38	35	122	96	2.2	40	50	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.8	3
39	35	122	96	2.3	50	60	0.5	1	3.1	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*8.5*	*3*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.5*	*2*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*4.5*	*2*
39	35	122	96	2.3	50	60	0.5	2	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
39	35	122	96	2.3	50	60	0.5	2	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
39	35	122	96	2.3	50	60	0.5	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
39	35	122	96	2.3	50	60	0.5	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
39	35	122	96	2.3	50	60	0.5	10	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
39	35	122	96	2.3	50	60	0.5	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*5.9*	*2*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*8.4*	*3*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*15*	*5*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*9.2*	*4*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*7.6*	*3*
39	*35*	*122*	*96*	*2.3*	*50*	*60*	*0.5*	*1*	*3.1*	*4*	*1*	*9*	*Flake, tertiary unsp, whole, rhyolite, green*	*10.6*	*4*
39	35	122	96	2.3	50	60	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	13.8	5
40	35	122	96	2.4	60	70	0.5	1	1	2	1	6	Flake, primary medial frag, rhyolite, lt. gray		
40	35	122	96	2.4	60	70	0.5	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
40	35	122	96	2.4	60	70	0.5	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	13.4	4
40	35	122	96	2.4	60	70	0.5	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	15	5
40	35	122	96	2.4	60	70	0.5	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*7.5*	*4*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*9.6*	*5*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*4.2*	*3*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*9.5*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*11.9*	*3*
40	35	122	96	2.4	60	70	0.5	1	3.1	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.2*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.8*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.5*	*3*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*2.8*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*5.2*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.3*	*2*
40	*35*	*122*	*96*	*2.4*	*60*	*70*	*0.5*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*5.5*	*2*
40	35	122	96	2.4	60	70	0.5	4	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
40	35	122	96	2.4	60	70	0.5	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
40	35	122	96	2.4	60	70	0.5	8	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
40	35	122	96	2.4	60	70	0.5	5	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
40	35	122	96	2.4	60	70	0.5	11	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
40	35	122	96	2.4	60	70	0.5	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		

40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16	5
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	5
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	4
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.2	4
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	4
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	3
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	4
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	2
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.8	5
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	24.1	5
40	35	122	96	2.4	60	70	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.6	2
40	35	122	96	2.4	60	70	0.5	1	0		3	3	Hammerstone (possible), quartzite, tan		
40	35	122	96	2.4	60	70	0.5	1	0		3	3	Hammerstone (possible), quartzite, tan		
41	35	122	96	3.1	70	80	0.5	1	7		2	3	Core frag, quartz, tan		
41	35	122	96	3.1	70	80	0.5	1	7		2	3	Core frag, quartz, tan		
41	35	122	96	3.1	70	80	0.5	1	7		1	20	Core, rhyolite, gray coarse		
41	35	122	96	3.1	70	80	0.5	1	7		1	20	Core, rhyolite, gray coarse		
41	35	122	96	3.1	70	80	0.5	1	8		3	3	FCR (possible), quartzite, tan		
41	35	122	96	3.1	70	80	0.5	1	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray		
41	35	122	96	3.1	70	80	0.5	3	1	5	1	9	Flake, primary shatter, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	3	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	1.1	1	1	6	Flake, primary unsp, platform frag, rhyolite, lt. gray		
41	35	122	96	3.1	70	80	0.5	1	1.1	4	1	20	Flake, primary unsp, rhyolite, gray coarse	15.2	5
41	35	122	96	3.1	70	80	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	5.8	3
41	35	122	96	3.1	70	80	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	10.4	4
41	35	122	96	3.1	70	80	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	20.5	5
41	35	122	96	3.1	70	80	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	18.5	5
41	35	122	96	3.1	70	80	0.5	1	1.1	4	1	6	Flake, primary unsp, rhyolite, lt. gray	4.3	2
41	35	122	96	3.1	70	80	0.5	1	2.2	4	1	9	Flake, secondary bif thin, whole, rhyolite, green	4.2	2
41	35	122	96	3.1	70	80	0.5	1	2	6	1	9	Flake, secondary chunk, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
41	35	122	96	3.1	70	80	0.5	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	2.1	4	2	3	Flake, secondary unsp, quartz, tan	5.5	2
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	28.8	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	27.1	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	28.3	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	36.6	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	18	4
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	16	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	8.6	4
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	8.5	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	14	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	11.1	4
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	2.7	2
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	10.6	4
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	12.1	4
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	8.3	5
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	6	Flake, secondary unsp, rhyolite, lt. gray	19	4
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	6	Flake, secondary unsp, rhyolite, lt. gray	7	2
41	35	122	96	3.1	70	80	0.5	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.8	5
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	2	Flake, tertiary bif thin, rhyolite(?), white	4.4	3
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.2	3
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	4.2	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	3.9	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	3.3	2

41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	8.5	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	2.5	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	3.2	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	4.8	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	2.6	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.1	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.5	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	3.3	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.7	2
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	8.3	4
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	11.1	4
41	35	122	96	3.1	70	80	0.5	1	3.2	4	1	6	Flake, tertiary bif thin, rhyolite, lt. gray	4.4	3
41	35	122	96	3.1	70	80	0.5	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
41	35	122	96	3.1	70	80	0.5	27	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
41	35	122	96	3.1	70	80	0.5	14	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	29	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	3	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
41	35	122	96	3.1	70	80	0.5	7	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	7	Flake, tertiary unsp, rhyolite, gray/lt. gray mottled	8.7	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	28.3	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.4	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	19.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	15.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.5	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	15.5	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	25.1	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	23.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	51.4	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	31.5	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	29.3	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.1	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	16.3	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.1	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	24.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3.3	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.7	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	12.4	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	28.4	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	18.5	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.6	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.1	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.2	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.5	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.6	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.3	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.2	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.6	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	36	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	28.5	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.5	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	14.8	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.3	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.2	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	4
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	35.3	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	35.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	23.3	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	39.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	34	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	39.9	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.9	2

41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.2	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.8	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	10.4	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3.5	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	13.2	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.8	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.9	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.3	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.4	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.4	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.8	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.4	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	24.1	5
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.1	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.7	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.3	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.4	3
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	3.1	2
41	35	122	96	3.1	70	80	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	7.1	3
41	35	122	96	3.1	70	80	0.5	2	25		1	20	Raw material, rhyolite, gray coarse		
41	35	122	96	3.1	70	80	0.5	1	25		1	9	Raw material, rhyolite, green		
41	35	122	96	3.1	70	80	0.5	1	25		2	3	River cobble (battered), quartz, tan		
42	35	122	96	3.2	80	90	0.5	1	1	6	1	20	Flake, primary chunk, rhyolite, gray coarse		
42	35	122	96	3.2	80	90	0.5	3	1	5	1	9	Flake, primary shatter, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	17.7	4
42	35	122	96	3.2	80	90	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	13.1	4
42	35	122	96	3.2	80	90	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	15.2	4
42	35	122	96	3.2	80	90	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	20.1	5
42	35	122	96	3.2	80	90	0.5	1	1.1	4	1	9	Flake, primary unsp, rhyolite, green	9.7	3
42	35	122	96	3.2	80	90	0.5	1	2	6	1	9	Flake, secondary chunk, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	29.8	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	21.3	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	21.7	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	6.1	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	18.2	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	15.7	4
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	22.2	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	14	4
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	8	3
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	9	Flake, secondary unsp, rhyolite, green	8.9	2
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	6	Flake, secondary unsp, rhyolite, lt. gray	13.7	5
42	35	122	96	3.2	80	90	0.5	1	2.1	4	1	6	Flake, secondary unsp, rhyolite, lt. gray	5.9	3
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	10.7	3
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	8.1	3
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	12.9	3
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	8.5	3
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	3.3	3
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	5.7	2
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	6.1	2
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	4.6	2
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	3.1	1
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	4.6	2
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	5.2	2
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, rhyolite, green	4.3	2
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	6	Flake, tertiary bif thin, rhyolite, lt. gray	6.6	4
42	35	122	96	3.2	80	90	0.5	1	3.2	4	1	6	Flake, tertiary bif thin, rhyolite, lt. gray	5	2
42	35	122	96	3.2	80	90	0.5	1	3	6	2	1	Flake, tertiary chunk, quartz, crystal		
42	35	122	96	3.2	80	90	0.5	14	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	19	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	8	3.1	1	1	9	Flake, tertiary platform frag, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	2	3.1	1	1	6	Flake, tertiary platform frag, rhyolite, lt. gray		
42	35	122	96	3.2	80	90	0.5	9	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
42	35	122	96	3.2	80	90	0.5	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
42	35	122	96	3.2	80	90	0.5	51	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		

42	35	122	96	3.2	80	90	0.5	1	3.1	4	2	3	Flake, tertiary unsp, quartz, tan	5.9	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	17.3	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	15.8	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	10	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	24	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	29.3	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	13.8	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	10.8	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	28	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	24	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	10.8	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.4	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.4	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.2	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.5	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.8	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	19.5	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.7	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.9	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	10.4	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.9	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.1	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.2	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	16.6	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	12.4	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.5	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3.9	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	13.3	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.2	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.8	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	13.9	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.2	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.3	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	12.6	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.8	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.4	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.3	1
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	12.4	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	17.8	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	15.3	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.2	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	15.6	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.4	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7.7	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.4	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.9	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	11.5	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.3	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	9.4	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.7	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.8	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.6	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.6	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.2	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.4	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.7	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	12	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3	2

42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	6.1	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	5.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	7	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.5	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	4.2	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	8.7	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	21.8	5
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	9	Flake, tertiary unsp, rhyolite, green	3.2	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	5.6	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	7.3	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	8.2	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	13.3	4
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	12.6	3
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	8.8	2
42	35	122	96	3.2	80	90	0.5	1	3.1	4	1	6	Flake, tertiary unsp, rhyolite, lt. gray	9.7	3
42	35	122	96	3.2	80	90	0.5	7	25		1	4	Raw material, rhyolite(?), brown		
43	35	122	96	3.3	90	100	0.5	1	7		1	9	Core frag (possible), rhyolite, green		
43	35	122	96	3.3	90	100	0.5	1	7		1	9	Core frag (possible), rhyolite, green		
43	35	122	96	3.3	90	100	0.5	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
43	35	122	96	3.3	90	100	0.5	2	1	2	1	6	Flake, primary medial frag, rhyolite, lt. gray		
43	35	122	96	3.3	90	100	0.5	2	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
43	35	122	96	3.3	90	100	0.5	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	21.2	5
43	35	122	96	3.3	90	100	0.5	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.4	4
43	35	122	96	3.3	90	100	0.5	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.2	4
43	35	122	96	3.3	90	100	0.5	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.1	2
43	35	122	96	3.3	90	100	0.5	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	37.2	5
43	35	122	96	3.3	90	100	0.5	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.1	3
43	35	122	96	3.3	90	100	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	2
43	35	122	96	3.3	90	100	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
43	35	122	96	3.3	90	100	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.1	3
43	35	122	96	3.3	90	100	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	2
43	35	122	96	3.3	90	100	0.5	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	7.3	2
43	35	122	96	3.3	90	100	0.5	8	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
43	35	122	96	3.3	90	100	0.5	1	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray		
43	35	122	96	3.3	90	100	0.5	16	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
43	35	122	96	3.3	90	100	0.5	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
43	35	122	96	3.3	90	100	0.5	23	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
43	35	122	96	3.3	90	100	0.5	3	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
43	35	122	96	3.3	90	100	0.5	10	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	59.6	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	34.5	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	42.4	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.9	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.4	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.3	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.6	5
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	4
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	2

43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	3
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.8	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	2
43	35	122	96	3.3	90	100	0.5	1	3.1	4	1	2	Flake, tertiary unsp, whole, rhyolite, off-white	5.5	2
43	35	122	96	3.3	90	100	0.5	1	0		2	3	Hammerstone frag (possible), quartz, tan		
43	35	122	96	3.3	90	100	0.5	1	0		2	3	Hammerstone frag (possible), quartz, tan		
43	35	122	96	3.3	90	100	0.5	1	25		14	0	Raw material, conglomerate, pink		
43	35	122	96	3.3	90	100	0.5	1	25		1	7	Raw material, rhyolite, gray/red		
44	35	122	96	4.1	100	110	0.5	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	12.2	3
44	35	122	96	4.1	100	110	0.5	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.3	3
44	35	122	96	4.1	100	110	0.5	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	19.9	5
44	35	122	96	4.1	100	110	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.2	2
44	35	122	96	4.1	100	110	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
44	35	122	96	4.1	100	110	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.6	2
44	35	122	96	4.1	100	110	0.5	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	9	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	8	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.8	5
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21	5
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	2
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	5
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.5	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	3
44	35	122	96	4.1	100	110	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
45	35	122	96	4.2	110	120	0.5	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
45	35	122	96	4.2	110	120	0.5	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
45	35	122	96	4.2	110	120	0.5	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
45	35	122	96	4.2	110	120	0.5	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
45	35	122	96	4.2	110	120	0.5	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
45	35	122	96	4.2	110	120	0.5	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
45	35	122	96	4.2	110	120	0.5	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.5	3
45	35	122	96	4.2	110	120	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.3	3
45	35	122	96	4.2	110	120	0.5	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.8	2
46	58	122	106	1.2	10	20	1.03	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	9.1	3
46	58	122	106	1.2	10	20	1.03	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	5.5	3
46	58	122	106	1.2	10	20	1.03	1	3	2	4	4	Flake, tertiary medial frag, chert, brown		
47	58	122	106	2.1	20	30	1.03	1	2.1	4	4	11	Flake, secondary unsp, whole, chert, black	9.1	3
47	58	122	106	2.1	20	30	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	3
48	58	122	106	3.1	54	64	1.03	1	1.1	4	12	4	Flake, primary unsp, whole, jasper(?), brown	4.5	2
48	58	122	106	3.1	54	64	1.03	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.5	3
48	58	122	106	3.1	54	64	1.03	1	3.1	4	1	3	Flake, tertiary unsp, whole, rhyolite(?), light tan	4.3	2
49	58	122	106	4.1	64	74	1.03	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	2
49	58	122	106	4.1	64	74	1.03	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	5.5	2
49	58	122	106	4.1	64	74	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	2

49	58	122	106	4.1	64	74	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
49	58	122	106	4.1	64	74	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
50	58	122	106	4.2	74	78	1.03	5	8		2	0	FCR, quartz, red		
50	58	122	106	4.2	74	78	1.03	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
50	58	122	106	4.2	74	78	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	4
50	58	122	106	4.2	74	78	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
51	58	122	106	5.1	78	89	1.03	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
51	58	122	106	5.1	78	89	1.03	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	14.6	5
51	58	122	106	5.1	78	89	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	3
51	58	122	106	5.1	78	89	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
51	58	122	106	5.1	78	89	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
51	58	122	106	5.1	78	89	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
51	58	122	106	5.1	78	89	1.03	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
52	53	123	94	1.2	15	25	0.76	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
52	53	123	94	1.2	15	25	0.76	1	25		2	3	River cobble, quartz, tan		
53	53	123	94	1.3	25	35	0.76	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
53	53	123	94	1.3	25	35	0.76	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
54	53	123	94	2.1	35	45	0.76	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
54	53	123	94	2.1	35	45	0.76	1	6		1		Point, rhyolite		
55	53	123	94	2.2	45	55	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	2
55	53	123	94	2.2	45	55	0.76	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
55	53	123	94	2.2	45	55	0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
55	53	123	94	2.2	45	55	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), brown	5.7	3
55	53	123	94	2.2	45	55	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	4
55	53	123	94	2.2	45	55	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.5	4
56	53	123	94	3.1	55	65	0.76	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
56	53	123	94	3.1	55	65	0.76	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	3
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.9	4
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	2
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	3
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	4
56	53	123	94	3.1	55	65	0.76	1	3.1	4	1	2	Flake, tertiary unsp, whole, rhyolite, off-white	8.4	3
56	53	123	94	3.1	55	65	0.76	1	25		1	20	Raw material, rhyolite, gray coarse		
57	53	123	94	4.1	65	75	0.76	2	8		2	0	FCR, quartz, red		
57	53	123	94	4.1	65	75	0.76	1	8		3	0	FCR, quartzite, red		
57	53	123	94	4.1	65	75	0.76	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
57	53	123	94	4.1	65	75	0.76	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
57	53	123	94	4.1	65	75	0.76	1	1.1	4	1	7	Flake, primary unsp, whole, rhyolite, gray, heat treated	25.1	5
57	53	123	94	4.1	65	75	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	16.6	5
57	53	123	94	4.1	65	75	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7	3
57	53	123	94	4.1	65	75	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	2
57	53	123	94	4.1	65	75	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	4
57	53	123	94	4.1	65	75	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	2
57	53	123	94	4.1	65	75	0.76	7	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
57	53	123	94	4.1	65	75	0.76	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
57	53	123	94	4.1	65	75	0.76	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white		
57	53	123	94	4.1	65	75	0.76	6	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
57	53	123	94	4.1	65	75	0.76	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
57	53	123	94	4.1	65	75	0.76	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), brown	8.6	3
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	5
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.5	3
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	3
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	3
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	4

57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	4
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.2	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	2
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.3	5
57	53	123	94	4.1	65	75	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.4	3
57	53	123	94	4.1	65	75	0.76	1	25		14	0	Raw material, conglomerate, red		
57	53	123	94	4.1	65	75	0.76	2	25		14	0	Raw material, conglomerate, red		
57	53	123	94	4.1	65	75	0.76	6	25		1	7	Raw material, rhyolite(?), gray		
57	53	123	94	4.1	65	75	0.76	4	25		1	7	Raw material, rhyolite, gray		
58	53	123	94	4.2	75	85	0.76	2	8		1	20	FCR, rhyolite, gray coarse, heavily oxidized		
58	53	123	94	4.2	75	85	0.76	4	1	5	1	9	Flake, primary shatter, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.9	5
58	53	123	94	4.2	75	85	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.1	3
58	53	123	94	4.2	75	85	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.3	2
58	53	123	94	4.2	75	85	0.76	2	2	6	1	9	Flake, secondary chunk, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	3	6	1	18	Flake, secondary chunk, rhyolite, reddish brown		
58	53	123	94	4.2	75	85	0.76	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.8	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13.3	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	48.3	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	38.5	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	40	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	30.8	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	24.2	5
58	53	123	94	4.2	75	85	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	17.1	5
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.3	3
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	14.1	4
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.3	3
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	3
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.1	3
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.3	2
58	53	123	94	4.2	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	2
58	53	123	94	4.2	75	85	0.76	6	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	2	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
58	53	123	94	4.2	75	85	0.76	9	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	14	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
58	53	123	94	4.2	75	85	0.76	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	24	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), lt. brown	9.1	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), lt. brown	6	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.4	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	45.1	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.6	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	38.4	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	45.9	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24.5	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	31.1	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	41	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29.8	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.1	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.1	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22.4	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.1	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.9	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	39.1	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.9	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.7	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.8	5

58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.3	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.4	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.3	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.7	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.6	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.6	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.6	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.9	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.4	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.4	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.8	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	2
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	4
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	2
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	17.8	5
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.3	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6	3
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5	2
58	53	123	94	4.2	75	85	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.6	4
58	53	123	94	4.2	75	85	0.76	1	6		1		Point, rhyolite		
58	53	123	94	4.2	75	85	0.76	2	25		14	0	Raw material, conglomerate, pink		
58	53	123	94	4.2	75	85	0.76	1	25		2	2	Raw material, quartz, white		
58	53	123	94	4.2	75	85	0.76	1	25		1	20	Raw material, rhyolite, gray coarse		
58	53	123	94	4.2	75	85	0.76	3	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
58	53	123	94	4.2	75	85	0.76	2	25		1	9	Raw material, rhyolite, green		
58	53	123	94	4.2	75	85	0.76	1	25		1	9	Raw material, rhyolite, green, heat treated		
59	53	123	94	4.3	85	95	0.76	3	1	6	1	9	Flake, primary chunk, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	4	1	5	1	9	Flake, primary shatter, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
59	53	123	94	4.3	85	95	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	41.4	5
59	53	123	94	4.3	85	95	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.5	3
59	53	123	94	4.3	85	95	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.1	2
59	53	123	94	4.3	85	95	0.76	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	37.3	5

59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	38.4	5
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	49.7	5
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	18.8	5
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.8	4
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.1	5
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.2	3
59	53	123	94	4.3	85	95	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11.6	4
59	53	123	94	4.3	85	95	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.5	4
59	53	123	94	4.3	85	95	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.2	4
59	53	123	94	4.3	85	95	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	2
59	53	123	94	4.3	85	95	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
59	53	123	94	4.3	85	95	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
59	53	123	94	4.3	85	95	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.1	2
59	53	123	94	4.3	85	95	0.76	3	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	2	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
59	53	123	94	4.3	85	95	0.76	9	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	12	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
59	53	123	94	4.3	85	95	0.76	33	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22.1	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	31.3	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29.4	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.3	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28.1	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	25.2	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.4	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	31.6	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	25.1	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.6	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.3	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24.2	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.6	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.3	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.5	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.5	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3

59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	4
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	2
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	21	5
59	53	123	94	4.3	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.2	2
59	53	123	94	4.3	85	95	0.76	1	6		1		Point, rhyolite		
59	53	123	94	4.3	85	95	0.76	2	25		1	20	Raw material, rhyolite, gray coarse		
59	53	123	94	4.3	85	95	0.76	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
60	53	123	94	4.4	95	105	0.76	3	1	3	1	9	Flake, primary terminal frag, whole, rhyolite, green		
60	53	123	94	4.4	95	105	0.76	1	1.1	4	2	4	Flake, primary unsp, whole, quartz, brown	5.8	2
60	53	123	94	4.4	95	105	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.8	5
60	53	123	94	4.4	95	105	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	24.8	5
60	53	123	94	4.4	95	105	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.4	3
60	53	123	94	4.4	95	105	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	2
60	53	123	94	4.4	95	105	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	2
60	53	123	94	4.4	95	105	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.5	3
60	53	123	94	4.4	95	105	0.76	4	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
60	53	123	94	4.4	95	105	0.76	10	3	3	1	9	Flake, tertiary terminal frag, whole, rhyolite, green		
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), lt. brown	5.8	2
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	5
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	4
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	3
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.4	4
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	2
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.5	4
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.7	4
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	15.8	5
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	22.1	5
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	9.1	3
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.2	2
60	53	123	94	4.4	95	105	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.1	2
60	53	123	94	4.4	95	105	0.76	1	25		1	0	Raw material, rhyolite(?), red		
60	53	123	94	4.4	95	105	0.76	3	25		1	20	Raw material, rhyolite, gray coarse		
60	53	123	94	4.4	95	105	0.76	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
61	53	123	94	4.5	105	115	0.76	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
61	53	123	94	4.5	105	115	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.5	2
61	53	123	94	4.5	105	115	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	24	5
61	53	123	94	4.5	105	115	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	8.5	3
61	53	123	94	4.5	105	115	0.76	2	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
61	53	123	94	4.5	105	115	0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	4
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	3
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	3
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	2
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.5	4
61	53	123	94	4.5	105	115	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5	2
61	53	123	94	4.5	105	115	0.76	1	25		14	0	Raw material, conglomerate, pink		
62	26	123	95	1.1	0	10	0.63	1	3.1	4	4	11	Flake, tertiary bif thin, whole, chert (possible), black	3	2
62	26	123	95	1.1	0	10	0.63	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	2.9	2
62	26	123	95	1.1	0	10	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
63	26	123	95	1.2	10	20	0.63	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert (possible), dark green	5.8	4
63	26	123	95	1.2	10	20	0.63	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert (possible), dark green	2.9	2
63	26	123	95	1.2	10	20	0.63	1	3	3	4	11	Flake, tertiary terminal frag, chert, black		

63	26	123	95	1.2	10	20	0.63	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	9.2	2
63	26	123	95	1.2	10	20	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9	4
63	26	123	95	1.2	10	20	0.63	1	25		26		Graphite, <0.1g		
63	**26**	**123**	**95**	**1.2**	**10**	**20**	**0.63**	**1**	**6**	**1**	**4**	**7**	**Point, basal frag (tang), chert, gray**		
64	26	123	95	1.3-2.1	20	40	0.63	1	1	6	1	3	Flake, primary chunk, rhyolite, tan		
64	26	123	95	1.3-2.1	20	40	0.63	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
64	26	123	95	1.3-2.1	20	40	0.63	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert (possible), green	7.6	4
64	26	123	95	1.3-2.1	20	40	0.63	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert (possible), green	10	3
65	26	123	95	2.2	40	50	0.63	1	3.1	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	3
65	26	123	95	2.2	40	50	0.63	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
65	26	123	95	2.2	40	50	0.63	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
65	26	123	95	2.2	40	50	0.63	1	3.1	4	4	11	Flake, tertiary unsp, whole, chert, black	3.5	2
66	26	123	95	2.3	50	60	0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.9	4
66	26	123	95	2.3	50	60	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	2
66	26	123	95	2.3	50	60	0.63	1	3	2	2	2	Flake, tertiary medial frag, quartz, white		
66	26	123	95	2.3	50	60	0.63	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
66	26	123	95	2.3	50	60	0.63	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
66	26	123	95	2.3	50	60	0.63	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
66	26	123	95	2.3	50	60	0.63	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.6	5
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.5	5
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.5	5
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	3
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	3
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	4
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
66	26	123	95	2.3	50	60	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
67	26	123	95	3.1	60	70	0.63	1	8		3	0	FCR, quartzite, red		
67	26	123	95	3.1	60	70	0.63	5	1	6	1	9	Flake, primary chunk, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	1	6	1	18	Flake, primary chunk, rhyolite, reddish brown		
67	26	123	95	3.1	60	70	0.63	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	2	2	6	1	9	Flake, secondary chunk, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.9	3
67	26	123	95	3.1	60	70	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3.9	2
67	26	123	95	3.1	60	70	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.6	5
67	26	123	95	3.1	60	70	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.8	5
67	26	123	95	3.1	60	70	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5	2
67	26	123	95	3.1	60	70	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.8	2
67	26	123	95	3.1	60	70	0.63	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert (possible), green	4	3
67	26	123	95	3.1	60	70	0.63	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	4	2
67	26	123	95	3.1	60	70	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	2
67	26	123	95	3.1	60	70	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	3
67	26	123	95	3.1	60	70	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.2	2
67	26	123	95	3.1	60	70	0.63	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	3	6	1	0	Flake, tertiary chunk, rhyolite, red/gray		
67	26	123	95	3.1	60	70	0.63	11	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	5	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	3	3	4	11	Flake, tertiary terminal frag, chert (possible), black		
67	26	123	95	3.1	60	70	0.63	1	3	3	4	7	Flake, tertiary terminal frag, chert (possible), gray		
67	26	123	95	3.1	60	70	0.63	28	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	3	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
67	26	123	95	3.1	60	70	0.63	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	5
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.4	5
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	5
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.5	5

67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	4
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.5	4
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.9	4
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	4
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.9	4
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	4
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	16.7	5
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.7	5
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.2	3
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.9	2
67	26	123	95	3.1	60	70	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.4	2
67	26	123	95	3.1	60	70	0.63	1	6		1		Point, rhyolite		
67	26	123	95	3.1	60	70	0.63	2	25		14	0	Raw material, conglomerate, pink		
67	26	123	95	3.1	60	70	0.63	1	25		1	20	Raw material, rhyolite, gray coarse		
67	26	123	95	3.1	60	70	0.63	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
68	26	123	95	3.2	70	80	0.63	1	6		1	9	Biface, rhyolite, green		
68	**26**	**123**	**95**	**3.2**	**70**	**80**	**0.63**	**1**	**6**		**1**	**9**	**Biface, rhyolite, green**		
68	26	123	95	3.2	70	80	0.63	6	8		2	2	FCR(possible), quartz, white		
68	26	123	95	3.2	70	80	0.63	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	1	5	1	0	Flake, primary shatter, rhyolite(?), red, heat-altered		
68	26	123	95	3.2	70	80	0.63	4	1	5	1	9	Flake, primary shatter, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.3	3
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	23.5	5
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	14	5
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	20.9	5
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	10.3	5
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	9.8	5
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	5.2	2
68	26	123	95	3.2	70	80	0.63	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	7	3
68	26	123	95	3.2	70	80	0.63	2	2	6	1	9	Flake, secondary chunk, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	2	3	1	20	Flake, secondary terminal frag, rhyolite, gray coarse		
68	26	123	95	3.2	70	80	0.63	1	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
68	26	123	95	3.2	70	80	0.63	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.4	5
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.2	5
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.8	5
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.5	3
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.1	5
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.1	5
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.3	4
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.5	2
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.8	2
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11.5	4
68	26	123	95	3.2	70	80	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	9.7	2
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	3
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.6	3
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.2	2
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	2
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.7	2
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.5	2
68	26	123	95	3.2	70	80	0.63	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.4	2

68	26	123	95	3.2	70	80	0.63	2	3	6	2	2	Flake, tertiary chunk, quartz, white		
68	26	123	95	3.2	70	80	0.63	2	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
68	26	123	95	3.2	70	80	0.63	16	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
68	26	123	95	3.2	70	80	0.63	14	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	52	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
68	26	123	95	3.2	70	80	0.63	1	3.1	1	2	2	Flake, tertiary unsp, platform frag, quartz, white		
68	26	123	95	3.2	70	80	0.63	9	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	20.5	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.3	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.7	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.2	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.7	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.1	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.7	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.1	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22.7	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22.6	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	33.5	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	25.6	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.9	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.3	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.4	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.5	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.4	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.9	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.1	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.8	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.5	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2

68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	17.4	5
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	17.6	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.1	3
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	16.5	4
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.2	2
68	26	123	95	3.2	70	80	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.9	2
68	26	123	95	3.2	70	80	0.63	1	6		1		Point, rhyolite		
68	26	123	95	3.2	70	80	0.63	2	25		14	0	Raw material, conglomerate(?), pink		
68	26	123	95	3.2	70	80	0.63	1	25		1	20	Raw material, rhyolite, gray coarse		
68	26	123	95	3.2	70	80	0.63	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
68	26	123	95	3.2	70	80	0.63	1	4	3	1	9	Utilized flake, tertiary chunk, rhyolite, green		
68	26	123	95	3.2	70	80	0.63	1	4	3	1	9	Utilized flake, tertiary chunk, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	7	1	6	1	9	Flake, primary chunk, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	3	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.3	2
69	26	123	95	4.2	90	100	0.63	1	2	5	1	20	Flake, secondary shatter, rhyolite, gray coarse		
69	26	123	95	4.2	90	100	0.63	3	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.8	4
69	26	123	95	4.2	90	100	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11	5
69	26	123	95	4.2	90	100	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.1	2
69	26	123	95	4.2	90	100	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.2	3
69	26	123	95	4.2	90	100	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.8	2
69	26	123	95	4.2	90	100	0.63	1	2.1	4	1	3	Flake, secondary unsp, whole, rhyolite, tan	6	2
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.5	2
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.1	2
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.7	2
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13.5	3
69	26	123	95	4.2	90	100	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.7	3
69	26	123	95	4.2	90	100	0.63	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
69	26	123	95	4.2	90	100	0.63	9	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
69	26	123	95	4.2	90	100	0.63	18	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
69	26	123	95	4.2	90	100	0.63	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	31	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
69	26	123	95	4.2	90	100	0.63	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
69	26	123	95	4.2	90	100	0.63	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.4	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	5
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.1	5
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.6	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	1
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	2

69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.3	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.9	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	46.8	5
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.9	5
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	9.7	4
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.5	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.2	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.8	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	15.4	3
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.6	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.7	2
69	26	123	95	4.2	90	100	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.6	2
69	26	123	95	4.2	90	100	0.63	3	25		1	20	Raw material, rhyolite, gray coarse		
69	26	123	95	4.2	90	100	0.63	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
69	26	123	95	4.2	90	100	0.63	5	25		1	6	Raw material, rhyolite, lt. gray		
70	26	123	95	4.3	100	110	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9	4
70	26	123	95	4.3	100	110	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15	3
70	26	123	95	4.3	100	110	0.63	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
70	26	123	95	4.3	100	110	0.63	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
70	26	123	95	4.3	100	110	0.63	1	3	3	2	3	Flake, tertiary terminal frag, quartz, tan		
70	26	123	95	4.3	100	110	0.63	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
70	26	123	95	4.3	100	110	0.63	8	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
70	26	123	95	4.3	100	110	0.63	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
70	26	123	95	4.3	100	110	0.63	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.4	3
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.4	3
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	2
70	26	123	95	4.3	100	110	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
71	26	123	95	4.4	110	120	0.63	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
71	26	123	95	4.4	110	120	0.63	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
71	26	123	95	4.4	110	120	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
71	26	123	95	4.4	110	120	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
72	26	123	95	4.5	120	130	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
73	38	123	96	1.2	10	20	0.7	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert(?), green	7.2	2
73	38	123	96	1.2	10	20	0.7	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert(?), green	12.2	3
73	38	123	96	1.2	10	20	0.7	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	11.4	4
73	38	123	96	1.2	10	20	0.7	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	10.9	5
73	38	123	96	1.2	10	20	0.7	1	6		1		Point, rhyolite		
73	38	123	96	1.2	10	20	0.7	1	25			4	Raw material, unidentified, brown		
73	38	123	96	1.2	10	20	0.7	1	25		2	3	River cobble, quartz, tan		
74	38	123	96	1.3	20	30	0.7	1	8		14	0	FCR(possible), conglomerate, pink		
74	38	123	96	1.3	20	30	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.1	3
74	38	123	96	1.3	20	30	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	3
74	38	123	96	1.3	20	30	0.7	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
74	38	123	96	1.3	20	30	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	5
74	38	123	96	1.3	20	30	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	4
75	38	123	96	2.1	30	40	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.7	3
75	38	123	96	2.1	30	40	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.3	3

75	38	123	96	2.1	30	40	0.7	1	3	2	1	20	Flake, tertiary medial frag, rhyolite, gray coarse		
75	38	123	96	2.1	30	40	0.7	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
75	38	123	96	2.1	30	40	0.7	1	9		7		Sherd, coarse quartz, temper, uid surface(eroded)		
75	38	123	96	2.1	30	40	0.7	2	9		7		Sherdlet, coarse quartz temper, uid surface		
76	38	123	96	2.2	40	50	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3.7	2
76	38	123	96	2.2	40	50	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	3
76	38	123	96	2.2	40	50	0.7	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
76	38	123	96	2.2	40	50	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
76	38	123	96	2.2	40	50	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10	3
77	38	123	96	2.3	50	60	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.6	2
77	38	123	96	2.3	50	60	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.9	3
77	38	123	96	2.3	50	60	0.7	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
77	38	123	96	2.3	50	60	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	2
77	38	123	96	2.3	50	60	0.7	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3	2
77	38	123	96	2.3	50	60	0.7	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
77	38	123	96	2.3	50	60	0.7	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	4
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	3
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	3
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.1	4
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	5
77	38	123	96	2.3	50	60	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.8	2
77	38	123	96	2.3	50	60	0.7	6					Historic, window glass, clear		
77	38	123	96	2.3	50	60	0.7	1	4	3	1	9	Utilized flake, tertiary terminal frag, rhyolite, green		
77	38	123	96	2.3	50	60	0.7	1	4	3	1	9	Utilized flake, tertiary terminal frag, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	1	23		23		Charcoal, <0.1g		
78	38	123	96	2.4	60	70	0.7	1	1	6	1	4	Flake, primary chunk, rhyolite, brown		
78	38	123	96	2.4	60	70	0.7	1	1.1	4	2	3	Flake, primary unsp, whole, quartz, tan	17.4	5
78	38	123	96	2.4	60	70	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.7	5
78	38	123	96	2.4	60	70	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	33.8	5
78	38	123	96	2.4	60	70	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	9.3	4
78	38	123	96	2.4	60	70	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	16.7	4
78	38	123	96	2.4	60	70	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	5.1	2
78	38	123	96	2.4	60	70	0.7	2	2	6	1	9	Flake, secondary chunk, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.2	4
78	38	123	96	2.4	60	70	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.1	5
78	38	123	96	2.4	60	70	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.5	5
78	38	123	96	2.4	60	70	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15.8	5
78	38	123	96	2.4	60	70	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
78	38	123	96	2.4	60	70	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	2
78	38	123	96	2.4	60	70	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	2
78	38	123	96	2.4	60	70	0.7	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
78	38	123	96	2.4	60	70	0.7	1	3	6	1	0	Flake, tertiary chunk, rhyolite(?), red, heat-treated		
78	38	123	96	2.4	60	70	0.7	5	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	12	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	3	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	4
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	3
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	4
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24	5
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	3
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	3
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	4
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	2
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.5	3
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	18.7	4
78	38	123	96	2.4	60	70	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.3	2

78	38	123	96	2.4	60	70	0.7	1	23		23		Nut fragment, carbon		
78	38	123	96	2.4	60	70	0.7	1	6		1		Point, rhyolite		
78	38	123	96	2.4	60	70	0.7	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
78	38	123	96	2.4	60	70	0.7	2	25		1	6	Raw material, rhyolite, lt. gray		
79	38	123	96	3.1	70	80	0.7	1	8		1	4	FCR, rhyolite(?), brown		
79	38	123	96	3.1	70	80	0.7	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	17.8	4
79	38	123	96	3.1	70	80	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11	3
79	38	123	96	3.1	70	80	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	8.1	3
79	38	123	96	3.1	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	26.1	5
79	38	123	96	3.1	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20.6	5
79	38	123	96	3.1	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.4	5
79	38	123	96	3.1	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.3	5
79	38	123	96	3.1	70	80	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	9	4
79	38	123	96	3.1	70	80	0.7	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	3.9	2
79	38	123	96	3.1	70	80	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	2
79	38	123	96	3.1	70	80	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7	3
79	38	123	96	3.1	70	80	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.2	2
79	38	123	96	3.1	70	80	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
79	38	123	96	3.1	70	80	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	3
79	38	123	96	3.1	70	80	0.7	6	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	11	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
79	38	123	96	3.1	70	80	0.7	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
79	38	123	96	3.1	70	80	0.7	23	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
79	38	123	96	3.1	70	80	0.7	7	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
79	38	123	96	3.1	70	80	0.7	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	8.1	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.5	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.6	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	32.5	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.3	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.9	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.5	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.5	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	4
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	4
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	4
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.3	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	4
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.6	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	3

79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	4
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.2	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.5	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	16.5	4
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	19.9	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.7	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.2	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6	2
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.6	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.2	3
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.6	5
79	38	123	96	3.1	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.4	2
79	38	123	96	3.1	70	80	0.7	1	25		2	2	Raw material, quartz, white		
80	38	123	96	3.2	80	90	0.7	2	7		1	9	Core, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	2	7		1	9	Core, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	5	8		2	0	FCR, quartz, red		
80	38	123	96	3.2	80	90	0.7	3	1	3	1	9	Flake, pirmary terminal frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	9	1	6	1	9	Flake, primary chunk, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	3	1	5	1	9	Flake, primary shatter, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	1	1	3	1	20	Flake, primary terminal frag, rhyolite, gray coarse		
80	38	123	96	3.2	80	90	0.7	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
80	38	123	96	3.2	80	90	0.7	2	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	31.1	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	23.5	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	12.7	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.3	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.4	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.2	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.7	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	14.5	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.1	2
80	38	123	96	3.2	80	90	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	28.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	7.1	3
80	38	123	96	3.2	80	90	0.7	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.6	5
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	18.6	5
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11	3
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.5	4
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.7	4
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.8	2
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.4	2
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13.5	3
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7	2
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.5	2
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	25.4	5
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	45.6	5
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	21.7	5
80	38	123	96	3.2	80	90	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	7	2
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	11.1	3
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	3
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	2
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2

80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	3
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	2
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.2	2
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	2
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.1	3
80	38	123	96	3.2	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	2
80	38	123	96	3.2	80	90	0.7	1	3	6	1	20	Flake, tertiary chunk, rhyolite, gray coarse		
80	38	123	96	3.2	80	90	0.7	19	3	3	1	9	Flake, tertiary medial frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	3	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
80	38	123	96	3.2	80	90	0.7	25	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	2	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
80	38	123	96	3.2	80	90	0.7	44	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	1	3	3	1	0	Flake, tertiary terminal frag, rhyolite, purple		
80	38	123	96	3.2	80	90	0.7	12	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
80	38	123	96	3.2	80	90	0.7	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.3	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	44.5	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	48.6	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.6	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29.6	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29.9	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.7	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.9	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.1	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.1	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.7	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29.6	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.4	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.5	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.5	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.6	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.5	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.4	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.3	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.3	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.4	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.1	3

80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.6	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.4	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.3	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.8	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.4	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.3	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	40.3	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	19.8	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	31.8	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.9	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.2	5
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.6	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.5	4
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.6	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.2	2
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	14.4	3
80	38	123	96	3.2	80	90	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.2	3
80	38	123	96	3.2	80	90	0.7	6	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
81	38	123	96	3.3	90	100	0.7	1	7		1	9	Core, rhyolite, green -- possibly utilized along one edge		
81	38	123	96	3.3	90	100	0.7	1	7		1	9	Core, rhyolite, green -- possibly utilized along one edge		
81	38	123	96	3.3	90	100	0.7	2	8		2	0	FCR(possible), quartz, pink		
81	38	123	96	3.3	90	100	0.7	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray		
81	38	123	96	3.3	90	100	0.7	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	1	2	1	3	Flake, primary medial frag, rhyolite, tan		
81	38	123	96	3.3	90	100	0.7	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
81	38	123	96	3.3	90	100	0.7	2	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	20	Flake, primary unsp, whole, rhyolite, gray coarse	8.5	4
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	54.8	5
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.8	5

81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	2.2	2
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	26.1	5
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	20.1	5
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.3	5
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	25.8	5
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	3.9	2
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.2	2
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.4	2
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.8	3
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.1	3
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	12.8	3
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	14.2	3
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	6	3
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	6.9	2
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	28	5
81	38	123	96	3.3	90	100	0.7	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	9.9	2
81	38	123	96	3.3	90	100	0.7	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	39.3	5
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.7	5
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	18.4	5
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	28.4	5
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.3	3
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20.1	4
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.7	3
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.3	4
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.3	2
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.2	3
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.8	4
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.4	3
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.4	2
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	12.4	4
81	38	123	96	3.3	90	100	0.7	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	16.2	5
81	38	123	96	3.3	90	100	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	2
81	38	123	96	3.3	90	100	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.3	2
81	38	123	96	3.3	90	100	0.7	6	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	19	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	14	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	2	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
81	38	123	96	3.3	90	100	0.7	47	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
81	38	123	96	3.3	90	100	0.7	1	3.1	1	1	20	Flake, tertiary unsp, platform frag, rhyolite, gray coarse		
81	38	123	96	3.3	90	100	0.7	9	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	11.4	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.8	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	33.6	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.3	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.6	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22.5	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	27	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.3	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.4	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.7	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.2	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	5

81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.3	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	22.9	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.6	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.3	5
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.9	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.5	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.5	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.4	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.4	4
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.1	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.1	2
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.4	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.6	3
81	38	123	96	3.3	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.5	2
81	38	123	96	3.3	90	100	0.7	5	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
81	38	123	96	3.3	90	100	0.7	11	25		1	9	Raw material, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	4	4	1	9	Utilized flake(burin?), secondary unsp, whole, rhyolite, green		
81	38	123	96	3.3	90	100	0.7	1	4	4	1	9	Utilized flake(burin?), secondary unsp, whole, rhyolite, green		
82	38	123	96	3.4	100	110	0.7	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
82	38	123	96	3.4	100	110	0.7	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.1	2
82	38	123	96	3.4	100	110	0.7	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.4	3
82	38	123	96	3.4	100	110	0.7	2	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
82	38	123	96	3.4	100	110	0.7	7	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
82	38	123	96	3.4	100	110	0.7	7	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		

82	38	123	96	3.4	100	110	0.7	4	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	2
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	5
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	4
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.3	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.2	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.3	4
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	9.3	3
82	38	123	96	3.4	100	110	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.8	2
83	38	123	96	3.5	110	120	0.7	2	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
83	38	123	96	3.5	110	120	0.7	6	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
83	38	123	96	3.5	110	120	0.7	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
83	38	123	96	3.5	110	120	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
83	38	123	96	3.5	110	120	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	2
83	38	123	96	3.5	110	120	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
83	38	123	96	3.5	110	120	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	2
83	38	123	96	3.5	110	120	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
83	38	123	96	3.5	110	120	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	2
83	38	123	96	3.5	110	120	0.7	1	25		1	9	Raw material, rhyolite, green		
84	38	123	96	3.6	120	130	0.7	1	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
84	38	123	96	3.6	120	130	0.7	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
84	38	123	96	3.6	120	130	0.7	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
84	38	123	96	3.6	120	130	0.7	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
85	52	124	94	1.2	15	25	0.76	1	8		2	0	FCR(possible), quartz, red		
85	52	124	94	1.2	15	25	0.76	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
85	52	124	94	1.2	15	25	0.76	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	4.3	3
85	52	124	94	1.2	15	25	0.76	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	5.3	2
86	52	124	94	2.1	35	45	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	21	Flake, tertiary bif thin, whole, chert, gray	3.8	3
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.3	3
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.2	3
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	2
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.6	2
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	5.6	3
87	52	124	94	2.2	45	55	0.76	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	8.5	3
87	52	124	94	2.2	45	55	0.76	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
87	52	124	94	2.2	45	55	0.76	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
87	52	124	94	2.2	45	55	0.76	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
87	52	124	94	2.2	45	55	0.76	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray	*fits w/ secondary unspecialized flake from bag 80	
87	52	124	94	2.2	45	55	0.76	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan	17.2	4
87	52	124	94	2.2	45	55	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	4
87	52	124	94	2.2	45	55	0.76	1	3.1	4	1	3	Flake, tertiary unsp, whole, rhyolite, tan	7.4	2
87	52	124	94	2.2	45	55	0.76	1	3.1	4	1	3	Flake, tertiary unsp, whole, rhyolite, tan	5	2
88	52	124	94	3.1	55	65	0.76	2	8		2	2	FCR(possible), quartz, white		
88	52	124	94	3.1	55	65	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, lt. gray	11.9	5
88	52	124	94	3.1	55	65	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, dk. green	12.9	4
88	52	124	94	3.1	55	65	0.76	1	3.2	4	1	4	Flake, tertiary bif thin, rhyolite(?), lt. brown	1.9	1

88	52	124	94	3.1	55	65	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	3
88	52	124	94	3.1	55	65	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	2
88	52	124	94	3.1	55	65	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	2
88	52	124	94	3.1	55	65	0.76	1	3	2	1	4	Flake, tertiary medial frag, rhyolite(?), lt. brown		
88	52	124	94	3.1	55	65	0.76	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), lt. brown	11.2	4
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	4
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	5
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	3
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.9	4
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	2
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
88	52	124	94	3.1	55	65	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
88	52	124	94	3.1	55	65	0.76	1	3.1	1	1	9	Flake, tertiary unsp, whole, rhyolite, green		
88	**52**	**124**	**94**	**3.1**	**55**	**65**	**0.76**	**1**	**6**	**3**	**1**	**4**	**Point, tip frag, rhyolite(?), lt. brown**		
88	52	124	94	3.1	55	65	0.76	2	25		1	7	Raw material, rhyolite, gray		
88	52	124	94	3.1	55	65	0.76	6	25		1	18	Raw material, rhyolite, reddish brown		
89	52	124	94	3.2	65	75	0.76	3	8		2	0	FCR, quartz, pink		
89	52	124	94	3.2	65	75	0.76	2	2	6	1	0	Flake, secondary chunk, rhyolite, red/gray		
89	52	124	94	3.2	65	75	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	35.2	5
89	52	124	94	3.2	65	75	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	21.2	5
89	52	124	94	3.2	65	75	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.5	4
89	52	124	94	3.2	65	75	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	3
89	52	124	94	3.2	65	75	0.76	2	3	6	1	0	Flake, tertiary chunk, rhyolite, red/gray		
89	52	124	94	3.2	65	75	0.76	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
89	52	124	94	3.2	65	75	0.76	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
89	52	124	94	3.2	65	75	0.76	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
89	52	124	94	3.2	65	75	0.76	1	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	4.6	4
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	5
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	3
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	4
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.2	5
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	10.1	3
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.8	3
89	52	124	94	3.2	65	75	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10.5	5
89	52	124	94	3.2	65	75	0.76	9	25		14	4	Raw material, conglomerate(?), brown		
89	52	124	94	3.2	65	75	0.76	1	25		2	2	Raw material, quartz, white		
89	52	124	94	3.2	65	75	0.76	1	25		1	9	Raw material, rhyolite(?), greenish		
89	52	124	94	3.2	65	75	0.76	1	25			2	Raw material, unidentified, white		
89	52	124	94	3.2	65	75	0.76	4	25			8	Raw material, unidentified, black		
90	52	124	94	3.3	75	85	0.76	1	8		2	0	FCR(possible), quartz, pink		
90	52	124	94	3.3	75	85	0.76	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
90	52	124	94	3.3	75	85	0.76	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
90	52	124	94	3.3	75	85	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.1	4
90	52	124	94	3.3	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.5	3
90	52	124	94	3.3	75	85	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6	3
90	52	124	94	3.3	75	85	0.76	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.5	3
90	52	124	94	3.3	75	85	0.76	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
90	52	124	94	3.3	75	85	0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
90	52	124	94	3.3	75	85	0.76	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14	5
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	5
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	3
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	2
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	2
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	2
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.8	3
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.2	3
90	52	124	94	3.3	75	85	0.76	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	3.8	4
90	52	124	94	3.3	75	85	0.76	1	25		2	2	Raw material, quartz, white		
90	52	124	94	3.3	75	85	0.76	1	25		1	9	Raw material, rhyolite, green		

91	52	124	94	3.4	85	95	0.76	1	1	2	1	6	Flake, primary medial frag, rhyolite, lt. gray		
91	52	124	94	3.4	85	95	0.76	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	16.6	4
91	52	124	94	3.4	85	95	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	46.3	5
91	52	124	94	3.4	85	95	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	37.3	5
91	52	124	94	3.4	85	95	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	36.2	5
91	52	124	94	3.4	85	95	0.76	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	1.5	2
91	52	124	94	3.4	85	95	0.76	3	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
91	52	124	94	3.4	85	95	0.76	4	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
91	52	124	94	3.4	85	95	0.76	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
91	52	124	94	3.4	85	95	0.76	7	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
91	52	124	94	3.4	85	95	0.76	8	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
91	52	124	94	3.4	85	95	0.76	1	3.1	1	1	20	Flake, tertiary unsp, platform frag, rhyolite, gray coarse		
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	9.2	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	29.7	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	15.3	4
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	24.6	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	20.6	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	20.5	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	16.4	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.3	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	15.3	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	21	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.3	3
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	14.2	4
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.5	4
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.1	5
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.6	2
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.3	3
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	13.1	3
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	9.1	2
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	14.8	4
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.5	4
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.8	2
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.5	3
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.3	3
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.4	3
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.5	2
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.4	2
91	52	124	94	3.4	85	95	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.2	2
91	52	124	94	3.4	85	95	0.76	3	25		2	2	Raw material, quartz, white		
91	52	124	94	3.4	85	95	0.76	7	25		1	6	Raw material, rhyolite, lt. gray		
92	52	124	94	3.5	95	105	0.76	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
92	52	124	94	3.5	95	105	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
92	52	124	94	3.5	95	105	0.76	1	25		1	9	Raw material, rhyolite, green		
92	52	124	94	3.5	95	105	0.76	1	25		1	6	Raw material, rhyolite, lt. gray		
93	29	124	95	2.1	28	38	0.75	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
93	29	124	95	2.1	28	38	0.75	1					Historic, uid glass, aqua		
94	29	124	95	2.2	38	48	0.75	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	5	2
94	29	124	95	2.2	38	48	0.75	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
94	29	124	95	2.2	38	48	0.75	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
94	29	124	95	2.2	38	48	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
95	29	124	95	2.3	48	58	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
95	29	124	95	2.3	48	58	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	2
95	29	124	95	2.3	48	58	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	3
95	29	124	95	2.3	48	58	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
95	29	124	95	2.3	48	58	0.75	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	12.4	3
95	29	124	95	2.3	48	58	0.75	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	2.7	4
95	29	124	95	2.3	48	58	0.75	1	6		1		Point, rhyolite		
96	29	124	95	3.1	58	68	0.75	6	8		2	0	FCR, quartz, pink		
96	29	124	95	3.1	58	68	0.75	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.8	5
96	29	124	95	3.1	58	68	0.75	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	9	5
96	29	124	95	3.1	58	68	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	15.3	4
96	29	124	95	3.1	58	68	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13.1	3
96	29	124	95	3.1	58	68	0.75	1	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
96	29	124	95	3.1	58	68	0.75	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
96	29	124	95	3.1	58	68	0.75	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
96	29	124	95	3.1	58	68	0.75	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		

96	29	124	95	3.1	58	68	0.75	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
96	29	124	95	3.1	58	68	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	4
96	29	124	95	3.1	58	68	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14	3
96	29	124	95	3.1	58	68	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
96	29	124	95	3.1	58	68	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	3
96	29	124	95	3.1	58	68	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	2
96	29	124	95	3.1	58	68	0.75	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.3	2
96	29	124	95	3.1	58	68	0.75	1	25		14	0	Raw material, conglomerate, pink		
96	29	124	95	3.1	58	68	0.75	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
96	29	124	95	3.1	58	68	0.75	2	25		1	9	Raw material, rhyolite, green		
96	29	124	95	3.1	58	68	0.75	3	25		1	6	Raw material, rhyolite, lt. gray		
96	29	124	95	3.1	58	68	0.75	1	25		1	18	Raw material, rhyolite, reddish brown		
96	29	124	95	3.1	58	68	0.75	1	25			8	Raw material, unidentified, dk. gray		
97	29	124	95	3.2	68	78	0.75	2	8		2	3	FCR(possible), quartz, tan/red		
97	29	124	95	3.2	68	78	0.75	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	2	2	6	1	0	Flake, secondary chunk, rhyolite, red/gray		
97	29	124	95	3.2	68	78	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	22.9	5
97	29	124	95	3.2	68	78	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.4	3
97	29	124	95	3.2	68	78	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8	3
97	29	124	95	3.2	68	78	0.75	1	2.1	4	1	4	Flake, secondary unsp, whole, rhyolite, lt. brown	7.4	3
97	29	124	95	3.2	68	78	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8	4
97	29	124	95	3.2	68	78	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.2	2
97	29	124	95	3.2	68	78	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7	3
97	29	124	95	3.2	68	78	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.9	4
97	29	124	95	3.2	68	78	0.75	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	5.2	3
97	29	124	95	3.2	68	78	0.75	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	7	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
97	29	124	95	3.2	68	78	0.75	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
97	29	124	95	3.2	68	78	0.75	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	9.3	4
97	29	124	95	3.2	68	78	0.75	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	11.7	4
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	47.6	5
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.2	3
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	3
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.4	3
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	2
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29.3	5
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.9	5
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13	4
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	5
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	3
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	3
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	2
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	2
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	2
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.7	5
97	29	124	95	3.2	68	78	0.75	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.6	3
97	29	124	95	3.2	68	78	0.75	1					Historic, uid glass, aqua		
97	29	124	95	3.2	68	78	0.75	6	25		14	0	Raw material (possible FCR), conglomerate, pink/white/brown		
97	29	124	95	3.2	68	78	0.75	4	25		2	2	Raw material, quartz, white		
98	29	124	95	3.3	78	88	0.75	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
98	29	124	95	3.3	78	88	0.75	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5	5
98	29	124	95	3.3	78	88	0.75	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5	3
98	29	124	95	3.3	78	88	0.75	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
98	29	124	95	3.3	78	88	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.6	4
98	29	124	95	3.3	78	88	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13.2	3
98	29	124	95	3.3	78	88	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.7	3
98	29	124	95	3.3	78	88	0.75	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.8	2
98	29	124	95	3.3	78	88	0.75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7	2

98	29	124	95	3.3	78	88	0.75	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	2.6	2
98	29	124	95	3.3	78	88	0.75	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	11.5	4
98	29	124	95	3.3	78	88	0.75	3	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
98	29	124	95	3.3	78	88	0.75	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
98	29	124	95	3.3	78	88	0.75	7	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
98	29	124	95	3.3	78	88	0.75	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
98	29	124	95	3.3	78	88	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	2
98	29	124	95	3.3	78	88	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	3
98	29	124	95	3.3	78	88	0.75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
99	29	124	95	3.4	88	98	0.75	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
100	29	124	95	3.5	98	108	0.75	1	8		2	0	FCR, quartz, red		
101	39	124	96	1.2	10	20	0.7	1	2.1	4	4	7	Flake, secondary unsp, whole, chert, gray	6.7	4
101	39	124	96	1.2	10	20	0.7	1	2.1	4	4	7	Flake, secondary unsp, whole, chert, gray	10.3	3
101	39	124	96	1.2	10	20	0.7	1	2.1	4	4	9	Flake, secondary unsp, whole, chert, green	4.1	2
101	39	124	96	1.2	10	20	0.7	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	2.3	2
101	39	124	96	1.2	10	20	0.7	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	3.2	2
101	39	124	96	1.2	10	20	0.7	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
101	39	124	96	1.2	10	20	0.7	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, green	4.5	3
102	39	124	96	1.3	20	30	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	3
102	39	124	96	1.3	20	30	0.7	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
102	39	124	96	1.3	20	30	0.7	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
103	39	124	96	2.1	30	40	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	2
103	39	124	96	2.1	30	40	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
104	39	124	96	2.2	40	50	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	2
104	39	124	96	2.2	40	50	0.7	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
104	39	124	96	2.2	40	50	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.9	5
104	39	124	96	2.2	40	50	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
104	39	124	96	2.2	40	50	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	5
104	39	124	96	2.2	40	50	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
105	39	124	96	2.3	50	60	0.7	1	8		2	3	FCR(possible), quartz, tan		
105	39	124	96	2.3	50	60	0.7	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	6	2
105	39	124	96	2.3	50	60	0.7	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), lt. brown	12.4	3
105	39	124	96	2.3	50	60	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.4	3
106	39	124	96	3.1	60	70	0.7	1	8		14	0	FCR, conglomerate, pink		
106	39	124	96	3.1	60	70	0.7	2	8		2	2	FCR, quartz, white		
106	39	124	96	3.1	60	70	0.7	1	2	6	1	20	Flake, secondary chunk, rhyolite, gray coarse		
106	39	124	96	3.1	60	70	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	2
106	39	124	96	3.1	60	70	0.7	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	4	2
106	39	124	96	3.1	60	70	0.7	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5	2
106	39	124	96	3.1	60	70	0.7	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
106	39	124	96	3.1	60	70	0.7	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
106	39	124	96	3.1	60	70	0.7	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	3.1	2
106	39	124	96	3.1	60	70	0.7	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	7.3	2
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.5	5
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.9	5
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.5	5
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.2	5
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11	5
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	3
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	4
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	4
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.2	4
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	3
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	3
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	3
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	23.7	5
106	39	124	96	3.1	60	70	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	2.5	2
106	39	124	96	3.1	60	70	0.7	1	3.1	4	0	7	Flake, tertiary unsp, whole, sandstone(?), gray	10.1	3
106	39	124	96	3.1	60	70	0.7	1	6		1		Point, rhyolite		
106	39	124	96	3.1	60	70	0.7	4	25		2	2	Raw material, quartz		
106	39	124	96	3.1	60	70	0.7	1	25			0	Raw material, unidentified, pink		
107	39	124	96	3.2	70	80	0.7	1	1	6	1	18	Flake, primary chunk, rhyolite, reddish brown		

107	39	124	96	3.2	70	80	0.7	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	12.1	4
107	39	124	96	3.2	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.4	3
107	39	124	96	3.2	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.8	3
107	39	124	96	3.2	70	80	0.7	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.4	5
107	39	124	96	3.2	70	80	0.7	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
107	39	124	96	3.2	70	80	0.7	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
107	39	124	96	3.2	70	80	0.7	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
107	39	124	96	3.2	70	80	0.7	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
107	39	124	96	3.2	70	80	0.7	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	16	4
107	39	124	96	3.2	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	5
107	39	124	96	3.2	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
107	39	124	96	3.2	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
107	39	124	96	3.2	70	80	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
107	39	124	96	3.2	70	80	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.9	3
107	39	124	96	3.2	70	80	0.7	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
108	39	124	96	3.3	80	90	0.7	2	8		2	0	FCR, quartz, red		
108	39	124	96	3.3	80	90	0.7	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.1	2
108	39	124	96	3.3	80	90	0.7	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
108	39	124	96	3.3	80	90	0.7	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
108	39	124	96	3.3	80	90	0.7	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
108	39	124	96	3.3	80	90	0.7	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
108	39	124	96	3.3	80	90	0.7	1	3.1	1	1	7	Flake, tertiary unsp, platform frag, rhyolite, gray		
108	39	124	96	3.3	80	90	0.7	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
108	39	124	96	3.3	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.1	4
108	39	124	96	3.3	80	90	0.7	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
109	39	124	96	3.4	90	100	0.7	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
109	39	124	96	3.4	90	100	0.7	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	2.8	4
110	49	124	102	1.2	10	20	0.76	1	3.1	1	1	11	Flake, tertiary unsp, platform frag, rhyolite, black		
110	49	124	102	1.2	10	20	0.76	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
110	49	124	102	1.2	10	20	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
110	49	124	102	1.2	10	20	0.76	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	17.4	5
110	49	124	102	1.2	10	20	0.76	1	0		2	3	Hammerstone(possible), quartz, tan		
110	49	124	102	1.2	10	20	0.76	1	0		2	3	Hammerstone(possible), quartz, tan		
111	49	124	102	2.1	20	30	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	3
112	49	124	102	2.2	30	40	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	2
112	49	124	102	2.2	30	40	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
113	49	124	102	2.4	50	55	0.76	2	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
114	49	124	102	3.1	55	61	0.76	1	1.1	4	1	9	Flake, primary unsp, platform frag, rhyolite, green		
114	49	124	102	3.1	55	61	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	3
114	49	124	102	3.1	55	61	0.76	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
114	49	124	102	3.1	55	61	0.76	6	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
114	49	124	102	3.1	55	61	0.76	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
114	49	124	102	3.1	55	61	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
114	49	124	102	3.1	55	61	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	3
115	49	124	102	4.1	67	70	0.76	1	1	5	1	20	Flake, primary shatter, rhyolite, gray coarse		
115	49	124	102	4.1	67	70	0.76	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
115	49	124	102	4.1	67	70	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.4	4
115	49	124	102	4.1	67	70	0.76	1	3.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.8	5
115	49	124	102	4.1	67	70	0.76	1	3.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11.6	3
115	49	124	102	4.1	67	70	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.8	2
115	49	124	102	4.1	67	70	0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	2
115	49	124	102	4.1	67	70	0.76	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
115	49	124	102	4.1	67	70	0.76	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
115	49	124	102	4.1	67	70	0.76	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
115	49	124	102	4.1	67	70	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
115	49	124	102	4.1	67	70	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
115	49	124	102	4.1	67	70	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
115	49	124	102	4.1	67	70	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
116	4	124	103	1.2	10	20	0.77	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	6.4	2
116	4	124	103	1.2	10	20	0.77	1	3	2	1	3	Flake, tertiary medial frag, rhyolite, tan		

116	4	124	103	1.2	10	20	0.77	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan	8.3	2
117	4	124	103	2.1	20	30	0.77	1	3.1	4	4	11	Flake, tertiary unsp, whole, chert(?), black	8.4	3
117	4	124	103	2.1	20	30	0.77	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	5.2	2
118	4	124	103	2.2	30	40	0.77	1	3.1	4	1	3	Flake, tertiary unsp, whole, rhyolite, tan	5.9	3
118	4	124	103	2.2	30	40	0.77	1	25		1	6	Raw material, rhyolite, lt. gray		
119	4	124	103	2.3	40	50	0.77	1	1.1	4	1	7	Flake, primary unsp, whole, rhyolite, gray	11.6	4
119	4	124	103	2.3	40	50	0.77	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
120	4	124	103	2.4	50	58	0.77	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5	3
120	4	124	103	2.4	50	58	0.77	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
120	4	124	103	2.4	50	58	0.77	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
120	4	124	103	2.4	50	58	0.77	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
120	4	124	103	2.4	50	58	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
120	4	124	103	2.4	50	58	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	3
120	4	124	103	2.4	50	58	0.77	1	3.1	4	1	3	Flake, tertiary unsp, whole, rhyolite, tan	9.4	3
120	4	124	103	2.4	50	58	0.77	2	25		1	7	Raw material, rhyolite, gray		
121	4	124	103	3.1	58	68	0.77	2	1	5	1	0	Flake, primary shatter, rhyolite, red/gray		
121	4	124	103	3.1	58	68	0.77	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
121	4	124	103	3.1	58	68	0.77	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	8.2	3
121	4	124	103	3.1	58	68	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.9	4
121	4	124	103	3.1	58	68	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.7	5
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	3.9	2
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6	5
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	3
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	2
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	2
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
121	4	124	103	3.1	58	68	0.77	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6.1	3
121	4	124	103	3.1	58	68	0.77	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
121	4	124	103	3.1	58	68	0.77	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
121	4	124	103	3.1	58	68	0.77	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
121	4	124	103	3.1	58	68	0.77	6	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
121	4	124	103	3.1	58	68	0.77	1	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
121	4	124	103	3.1	58	68	0.77	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	7.9	4
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	5
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.2	5
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.1	5
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	5
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.2	4
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	5
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	3
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	2
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
121	4	124	103	3.1	58	68	0.77	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.8	4
121	4	124	103	3.1	58	68	0.77	1	25		2	2	Raw material, quartz, white		
121	4	124	103	3.1	58	68	0.77	2	25		1	9	Raw material, rhyolite, green		
122	4	124	103	3.2	68	72	0.77	1	1	5	1	20	Flake, primary shatter, rhyolite, gray coarse		
122	4	124	103	3.2	68	72	0.77	1	1	3	1	20	Flake, primary terminal frag, rhyolite, gray coarse		
122	4	124	103	3.2	68	72	0.77	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
122	4	124	103	3.2	68	72	0.77	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	3.4	2
122	4	124	103	3.2	68	72	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11	5
122	4	124	103	3.2	68	72	0.77	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
122	4	124	103	3.2	68	72	0.77	2	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
122	4	124	103	3.2	68	72	0.77	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
122	4	124	103	3.2	68	72	0.77	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, dk. gray	5	3
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	5
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	32	5
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.3	4

122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.8	3
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	3
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	2
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	2
122	4	124	103	3.2	68	72	0.77	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4	2
123	4	124	103	4.1	72	82	0.77	2	8		2	0	FCR, quartz, red		
123	4	124	103	4.1	72	82	0.77	1	1	2	1	20	Flake, primar y medial frag, rhyolite, gray coarse		
123	4	124	103	4.1	72	82	0.77	3	1	5	1	9	Flake, primary shatter, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	1	1.1	4	1	20	Flake, primary unsp, whole, rhyolite, gray coarse	18.9	5
123	4	124	103	4.1	72	82	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	32	5
123	4	124	103	4.1	72	82	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	34.4	5
123	4	124	103	4.1	72	82	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	38.7	5
123	4	124	103	4.1	72	82	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	16.3	5
123	4	124	103	4.1	72	82	0.77	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.8	5
123	4	124	103	4.1	72	82	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.3	4
123	4	124	103	4.1	72	82	0.77	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	3
123	4	124	103	4.1	72	82	0.77	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6.8	3
123	4	124	103	4.1	72	82	0.77	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	6	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	13	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
123	4	124	103	4.1	72	82	0.77	1	3.1	1	1	20	Flake, tertiary unsp, platform frag, rhyolite, gray coarse		
123	4	124	103	4.1	72	82	0.77	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.7	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.3	2
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.1	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.9	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	5
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	4
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	4
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	4
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	4
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	2
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.4	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.3	3
123	4	124	103	4.1	72	82	0.77	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.1	3
123	4	124	103	4.1	72	82	0.77	1	25		14	0	Raw material, conglomerate, pink		
123	4	124	103	4.1	72	82	0.77	3	25		1	20	Raw material, rhyolite, gray coarse		
123	4	124	103	4.1	72	82	0.77	3	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
123	4	124	103	4.1	72	82	0.77	3	25		1	9	Raw material, rhyolite, green		
123	4	124	103	4.1	72	82	0.77	1	25		1	6	Raw material, rhyolite, lt. gray		
124	4	125	103.1		80	80	0.77	1	0		14	0	Hammerstone, conglomerate, pinkish		
124	4	125	103.1		80	80	0.77	1	0		14	0	Hammerstone, conglomerate, pinkish		
125	50	124	104	1.2	10	20	0.86	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert(?), gray	4.1	3
125	50	124	104	1.2	10	20	0.86	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	3.1	2
125	50	124	104	1.2	10	20	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
126	50	124	104	2.1	20	30	0.86	1	3	3	1	3	Flake, tertiary terminal frag, rhyolite, tan		
127	50	124	104	2.2	30	40	0.86	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		

127	50	124	104	2.2	30	40	0.86	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	13.3	3
128	50	124	104	2.3	40	50	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.6	3
129	50	124	104	3.1	50	60	0.86	1	8		2	0	FCR(possible), quartz, red/brown		
129	50	124	104	3.1	50	60	0.86	1	3	5	1	18	Flake, tertiary shatter, rhyolite, reddish brown		
129	50	124	104	3.1	50	60	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.1	5
129	50	124	104	3.1	50	60	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
130	50	124	104	3.2	60	70	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6	2
130	50	124	104	3.2	60	70	0.86	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
130	50	124	104	3.2	60	70	0.86	1	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
130	50	124	104	3.2	60	70	0.86	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	3
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	3
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	10	4
130	50	124	104	3.2	60	70	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.3	2
130	50	124	104	3.2	60	70	0.86	2	25		2	3	Raw material, quartz, tan		
130	50	124	104	3.2	60	70	0.86	1	25		1	0	Raw material, rhyolite, red (heat-treated green?)		
130	50	124	104	3.2	60	70	0.86	3	25		1	0	Raw material, rhyolite, red/gray		
130	50	124	104	3.2	60	70	0.86	4	25			8	Raw material, unidentified, dk. gray		
131	50	124	104	4.1	70	80	0.86	1	7		2	2	Core, quartz, white		
131	50	124	104	4.1	70	80	0.86	1	7		2	2	Core, quartz, white		
131	50	124	104	4.1	70	80	0.86	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
131	50	124	104	4.1	70	80	0.86	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	25.3	5
131	50	124	104	4.1	70	80	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8	3
131	50	124	104	4.1	70	80	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	3
131	50	124	104	4.1	70	80	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
131	50	124	104	4.1	70	80	0.86	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
131	50	124	104	4.1	70	80	0.86	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
131	50	124	104	4.1	70	80	0.86	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
131	50	124	104	4.1	70	80	0.86	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
131	50	124	104	4.1	70	80	0.86	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.9	5
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19	5
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.4	5
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.6	4
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.8	3
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	3
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.4	3
131	50	124	104	4.1	70	80	0.86	1	3.1	4	1	3	Flake, tertiary unsp, whole, rhyolite, tan	4.5	3
131	*50*	*124*	*104*	*4.1*	*70*	*80*	*0.86*	*1*	*6*		*2*		*Point, quartz*		
131	50	124	104	4.1	70	80	0.86	1	6		1		Point, rhyolite		
131	*50*	*124*	*104*	*4.1*	*70*	*80*	*0.86*	*1*	*6*		*1*		*Point, rhyolite*		
131	50	124	104	4.1	70	80	0.86	3	25		14	0	Raw material, conglomerate, pink		
131	50	124	104	4.1	70	80	0.86	4	25		1	9	Raw material, rhyolite, green		
131	50	124	104	4.1	70	80	0.86	1	25			8	Raw material, unidentified, dk. gray		
132	55	124	105	1.2	10	20	0.86	1	1	3	4	11	Flake, primary terminal frag, chert(?), black		
132	55	124	105	1.2	10	20	0.86	1	3.1	4	4	11	Flake, tertiary unsp, whole, chert(?), black	4.8	4
132	55	124	105	1.2	10	20	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	3
133	55	124	105	2.1	20	30	0.86	1	3.1	4	4	11	Flake, tertiary unsp, whole, chert(?), black	5.9	2
134	55	124	105	2.2	30	40	0.86	1	25			2	Raw material, unidentified, white		
135	55	124	105	2.3	40	50	0.86	1	3.4	4	1	9	Flake, tertiary bif thin-ground, whole, rhyolite, green	8	4
135	55	124	105	2.3	40	50	0.86	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
136	55	124	105	2.4	50	60	0.86	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
136	55	124	105	2.4	50	60	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	5
137	55	124	105	3.1	60	70	0.86	1	3.2	4	4	8	Flake, tertiary bif thin, whole, chert, dk. gray	3.1	2
137	55	124	105	3.1	60	70	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
137	55	124	105	3.1	60	70	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.3	2
137	55	124	105	3.1	60	70	0.86	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.1	3
137	55	124	105	3.1	60	70	0.86	1	3	3	1	3	Flake, tertiary terminal frag, rhyolite, tan		
137	55	124	105	3.1	60	70	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	9.1	2

137	55	124	105	3.1	60	70	0.86	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
137	55	124	105	3.1	60	70	0.86	1	25		1	9	Raw material, rhyolite, green		
138	55	124	105	4.1	70	80	0.86	1	8		2	0	FCR, quartz, red		
138	55	124	105	4.1	70	80	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	3
138	55	124	105	4.1	70	80	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
138	55	124	105	4.1	70	80	0.86	1	3.2	4	1	3	Flake, tertiary bif thin, whole, rhyolite, tan	5.8	2
138	55	124	105	4.1	70	80	0.86	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
138	55	124	105	4.1	70	80	0.86	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
138	55	124	105	4.1	70	80	0.86	1	3	5	1	0	Flake, tertiary shatter, rhyolite, red/gray		
138	55	124	105	4.1	70	80	0.86	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
138	55	124	105	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
138	55	124	105	4.1	70	80	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	2
138	55	124	105	4.1	70	80	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	21.7	5
138	55	124	105	4.1	70	80	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.1	2
138	55	124	105	4.1	70	80	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6	2
138	55	124	105	4.1	70	80	0.86	3					Historic, uid glass, clear		
138	55	124	105	4.1	70	80	0.86	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
138	55	124	105	4.1	70	80	0.86	2	25		1	9	Raw material, rhyolite, green		
138	55	124	105	4.1	70	80	0.86	1	25		2	0	River cobble, quartz, red		
139	55	124	105	4.2	80	90	0.86	5	8		2	0	FCR, quartz, red		
139	55	124	105	4.2	80	90	0.86	1	2	2	3	7	Flake, secondary medial frag, quartzite, gray		
139	55	124	105	4.2	80	90	0.86	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.3	3
139	55	124	105	4.2	80	90	0.86	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	9.4	3
139	55	124	105	4.2	80	90	0.86	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
139	55	124	105	4.2	80	90	0.86	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
139	55	124	105	4.2	80	90	0.86	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	4
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	4
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	3
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.2	2
139	55	124	105	4.2	80	90	0.86	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.8	2
139	55	124	105	4.2	80	90	0.86	1	2.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.8	4
139	55	124	105	4.2	80	90	0.86	1	25		14	0	Raw material, conglomerate, pink		
139	55	124	105	4.2	80	90	0.86	6	25		1	6	Raw material, rhyolite, lt. gray		
140	57	124	106	1.1	0	10	0.82	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	6.3	2
141	57	124	106	1.2	10	20	0.82	1	8		3	0	FCR, quartzite, red		
142	57	124	106	2.1	20	30	0.82	1	8		2	0	FCR(possible), quartz, red		
142	57	124	106	2.1	20	30	0.82	1	3.2	4	3	7	Flake, tertiary bif thin, whole, quartzite, gray	5.7	2
142	57	124	106	2.1	20	30	0.82	1	3.2	4	1	3	Flake, tertiary bif thin, whole, rhyolite, tan	3.7	3
142	57	124	106	2.1	20	30	0.82	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
143	57	124	106	2.2	30	40	0.82	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	2
143	57	124	106	2.2	30	40	0.82	1	3	6	2	1	Flake, tertiary chunk, quartz, crystal		
143	57	124	106	2.2	30	40	0.82	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
143	57	124	106	2.2	30	40	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	3
143	57	124	106	2.2	30	40	0.82	3	25		14	0	Raw material, conglomerate, pink		
144	57	124	106	2.4	50	60	0.82	1	8		2	0	FCR, quartz, red		
144	57	124	106	2.4	50	60	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
144	57	124	106	2.4	50	60	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
144	57	124	106	2.4	50	60	0.82	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.6	2
145	57	124	106	3.1	60	70	0.82	1	8		3	0	FCR, quartzite, red		
145	57	124	106	3.1	60	70	0.82	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
145	57	124	106	3.1	60	70	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	4
145	57	124	106	3.1	60	70	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
145	57	124	106	3.1	60	70	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
145	57	124	106	3.1	60	70	0.82	1	25		2	2	Raw material, quartz, white		
146	57	124	106	4.1	70	77	0.82	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
146	57	124	106	4.1	70	77	0.82	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. gray	3.4	2
146	57	124	106	4.1	70	77	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
146	57	124	106	4.1	70	77	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	3

146	57	124	106	4.1	70	77	0.82	2	25		2	2	Raw material, quartz, white		
146	57	124	106	4.1	70	77	0.82	1	25		1	0	Raw material, rhyolite(?), pink, heat treated lt. gray?		
146	57	124	106	4.1	70	77	0.82	3	25		1	7	Raw material, rhyolite, gray		
147	57	124	106	4.2	77	88	0.82	2	8		2	0	FCR, quartz, red		
147	57	124	106	4.2	77	88	0.82	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	4
147	57	124	106	4.2	77	88	0.82	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.9	2
147	57	124	106	4.2	77	88	0.82	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
147	57	124	106	4.2	77	88	0.82	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite(?), brown	9.4	5
147	57	124	106	4.2	77	88	0.82	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
147	57	124	106	4.2	77	88	0.82	1	6		1		Point, rhyolite		
147	57	124	106	4.2	77	88	0.82	1	25		2	2	Raw material, quartz, white		
148	14	124	110	1.2	10	20	0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	15.4	5
148	14	124	110	1.2	10	20	0.88	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
148	14	124	110	1.2	10	20	0.88	1	25		2	2	Raw material, quartz, white		
149	14	124	110	2.1	20	30	0.88	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. gray	10.4	3
150	14	124	110	2.2	30	40	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	4
151	14	124	110	2.4	50	57	0.88	1	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
151	14	124	110	2.4	50	57	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
151	14	124	110	2.4	50	57	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
152	14	124	110	3.1	57	67	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.4	3
152	14	124	110	3.1	57	67	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.3	2
152	14	124	110	3.1	57	67	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
152	14	124	110	3.1	57	67	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	3
152	14	124	110	3.1	57	67	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	3
152	*14*	*124*	*110*	*3.1*	*57*	*67*	*0.88*	*1*	*6*		*1*		*Point, rhyolite*		
153	14	124	110	4.1	67	77	0.88	1	8		2	0	FCR, quartz, red		
153	14	124	110	4.1	67	77	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	2
153	14	124	110	4.1	67	77	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.6	3
153	14	124	110	4.1	67	77	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
153	14	124	110	4.1	67	77	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.4	4
153	14	124	110	4.1	67	77	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	2
153	14	124	110	4.1	67	77	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
153	14	124	110	4.1	67	77	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	3
153	14	124	110	4.1	67	77	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	2
153	14	124	110	4.1	67	77	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	3
153	14	124	110	4.1	67	77	0.88	1	6		1		Point, rhyolite		
153	14	124	110	4.1	67	77	0.88	1	25		14	0	Raw material, conglomerate, pink		
153	14	124	110	4.1	67	77	0.88	3	25		1	6	Raw material, rhyolite, lt. gray		
154	14	124	110	5.1	77	87	0.88	9	8		3	0	FCR, quartzite, red		
154	14	124	110	5.1	77	87	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	2
154	14	124	110	5.1	77	87	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
154	14	124	110	5.1	77	87	0.88	1	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
154	14	124	110	5.1	77	87	0.88	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
154	14	124	110	5.1	77	87	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
154	14	124	110	5.1	77	87	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.2	3
154	14	124	110	5.1	77	87	0.88	1	6		1		Point, rhyolite		
154	14	124	110	5.1	77	87	0.88	1	6		1		Point, rhyolite		
155	44	125	94	1.2	5	15	0.8	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
155	44	125	94	1.2	5	15	0.8	1	25		3	3	River cobble, quartzite, tan		
155	44	125	94	1.2	5	15	0.8	1	7		3	3	Tested cobble, quartzite, tan		
155	44	125	94	1.2	5	15	0.8	1	7		3	3	Tested cobble, quartzite, tan		
156	44	125	94	1.3	15	25	0.8	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.9	3
156	44	125	94	1.3	15	25	0.8	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
156	44	125	94	1.3	15	25	0.8	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	10.1	2
156	44	125	94	1.3	15	25	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	3
156	44	125	94	1.3	15	25	0.8	1	6		1		Point, rhyolite		
157	44	125	94	2.1	25	35	0.8	1	8		3	0	FCR(possible), quartzite, red		
157	44	125	94	2.1	25	35	0.8	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
157	44	125	94	2.1	25	35	0.8	1	3.1	3	2	2	Flake, tertiary unsp, whole, quartz, white	20.1	5
157	44	125	94	2.1	25	35	0.8	1	25		10	7	Soapstone, gray		
158	44	125	94	2.2	35	45	0.8	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	8.1	4
158	44	125	94	2.2	35	45	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	2
158	44	125	94	2.2	35	45	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	3
158	44	125	94	2.2	35	45	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	3
158	44	125	94	2.2	35	45	0.8	1	3	2	4	11	Flake, tertiary medial frag, chert(?), black		
158	44	125	94	2.2	35	45	0.8	1	3	2	4	8	Flake, tertiary medial frag, chert, dk. gray		
158	44	125	94	2.2	35	45	0.8	1	3	5	1	3	Flake, tertiary shatter, rhyolite, tan		

158	44	125	94	2.2	35	45	0.8	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
158	44	125	94	2.2	35	45	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	3
159	44	125	94	2.3	45	55	0.8	1	8		3	0	FCR, quartzite, red		
159	44	125	94	2.3	45	55	0.8	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
159	44	125	94	2.3	45	55	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	4
159	44	125	94	2.3	45	55	0.8	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.4	3
160	44	125	94	3.1	55	65	0.8	1	2	5	3	3	Flake, secondary shatter, quartzite, tan		
160	44	125	94	3.1	55	65	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.9	2
160	44	125	94	3.1	55	65	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.3	3
160	44	125	94	3.1	55	65	0.8	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.8	3
160	44	125	94	3.1	55	65	0.8	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	3
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.5	4
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	4
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	4
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	2
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
160	44	125	94	3.1	55	65	0.8	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	14.1	4
160	44	125	94	3.1	55	65	0.8	1	25		2	2	Raw material, quartz, white		
160	44	125	94	3.1	55	65	0.8	2	25		1	6	Raw material, rhyolite, lt. gray		
161	44	125	94	3.2	65	71	0.8	1	8		2	2	FCR(possible), quartz, white		
161	44	125	94	3.2	65	71	0.8	1	8		3	0	FCR(possible), quartzite, red		
161	44	125	94	3.2	65	71	0.8	1	2	5	1	7	Flake, secondary shatter, rhyolite, gray		
161	44	125	94	3.2	65	71	0.8	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	3.9	2
161	44	125	94	3.2	65	71	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
161	44	125	94	3.2	65	71	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
161	44	125	94	3.2	65	71	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.2	4
161	44	125	94	3.2	65	71	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.4	2
161	44	125	94	3.2	65	71	0.8	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
161	44	125	94	3.2	65	71	0.8	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
161	44	125	94	3.2	65	71	0.8	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
161	44	125	94	3.2	65	71	0.8	1	3	5	3	3	Flake, tertiary shatter, quartzite, tan		
161	44	125	94	3.2	65	71	0.8	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white		
161	44	125	94	3.2	65	71	0.8	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
161	44	125	94	3.2	65	71	0.8	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	8.8	5
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	14.7	5
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	5
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	4
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	4
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	3
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	3
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.9	2
161	44	125	94	3.2	65	71	0.8	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.1	3
161	**44**	**125**	**94**	**3.2**	**65**	**71**	**0.8**	**1**	**6**	**3**	**1**	**9**	**Point, tip frag, rhyolite, green**		
161	44	125	94	3.2	65	71	0.8	1	25		14	0	Raw material, conglomerate, pink		
161	44	125	94	3.2	65	71	0.8	5	25		2	2	Raw material, quartz, white		
161	44	125	94	3.2	65	71	0.8	1	25		1	6	Raw material, rhyolite, lt. gray		
161	44	125	94	3.2	65	71	0.8	1	4	5	3	6	Utilized flake, tertiary shatter, quartzite, lt. gray		
161	44	125	94	3.2	65	71	0.8	1	4	5	3	6	Utilized flake, tertiary shatter, quartzite, lt. gray		
162	44	125	94	3.3	71	81	0.8	1	8		0	4	FCR(possible), sandstone, brown		
162	44	125	94	3.3	71	81	0.8	2	8		2	0	FCR, quartz, red		
162	44	125	94	3.3	71	81	0.8	2	8		3	0	FCR, quartzite, red		
162	44	125	94	3.3	71	81	0.8	3	1	6	1	18	Flake, primary chunk, rhyolite, reddish brown		
162	44	125	94	3.3	71	81	0.8	1	2	6	1	17	Flake, secondary chunk, rhyolite, bluish gray		
162	44	125	94	3.3	71	81	0.8	1	2.1	4	1	4	Flake, secondary unsp, whole, rhyolite, brown	9.4	4
162	44	125	94	3.3	71	81	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.6	3
162	44	125	94	3.3	71	81	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	2
162	44	125	94	3.3	71	81	0.8	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
162	44	125	94	3.3	71	81	0.8	1	3	6	1	4	Flake, tertiary chunk, rhyolite, brown		
162	44	125	94	3.3	71	81	0.8	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
162	44	125	94	3.3	71	81	0.8	2	3	5	2	2	Flake, tertiary shatter, quartz, white		
162	44	125	94	3.3	71	81	0.8	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
162	44	125	94	3.3	71	81	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	4

162	44	125	94	3.3	71	81	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
162	44	125	94	3.3	71	81	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	4
162	44	125	94	3.3	71	81	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	2
162	44	125	94	3.3	71	81	0.8	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	2
162	44	125	94	3.3	71	81	0.8	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	10.4	3
162	44	125	94	3.3	71	81	0.8	1	6		1		Point, rhyolite		
162	44	125	94	3.3	71	81	0.8	1	25		14	6	Raw material, conglomerate, lt. gray		
162	44	125	94	3.3	71	81	0.8	1	25		14	0	Raw material, conglomerate, pink		
162	44	125	94	3.3	71	81	0.8	1	25		2	2	Raw material, quartz, white		
162	44	125	94	3.3	71	81	0.8	1	25		1	4	Raw material, rhyolite, lt. brown		
162	44	125	94	3.3	71	81	0.8	1	25		10	9	Soapstone, green		
163	28	125	95	2.1	60	70	0.78	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	4.8	4
163	28	125	95	2.1	60	70	0.78	1	3.2	4	3	6	Flake, tertiary bif thin, whole, quartzite, lt. gray	7.4	3
163	28	125	95	2.1	60	70	0.78	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	2
163	28	125	95	2.1	60	70	0.78	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	2
163	28	125	95	2.1	60	70	0.78	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	2
163	28	125	95	2.1	60	70	0.78	1	3	2	2	2	Flake, tertiary medial frag, quartz, white		
163	28	125	95	2.1	60	70	0.78	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
163	28	125	95	2.1	60	70	0.78	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
163	28	125	95	2.1	60	70	0.78	2	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
163	28	125	95	2.1	60	70	0.78	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	4.4	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	8.5	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	3	6	Flake, tertiary unsp, whole, quartzite, lt. gray	3.4	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	37.4	5
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	4
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.4	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	2
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	12.5	4
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.1	2
163	28	125	95	2.1	60	70	0.78	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	9.9	3
163	28	125	95	2.1	60	70	0.78	1	3.2	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.9	2
163	28	125	95	2.1	60	70	0.78	2	25		14	0	Raw material, congolomerate, pink		
163	28	125	95	2.1	60	70	0.78	6	25		2	2	Raw material, quartz, white		
163	28	125	95	2.1	60	70	0.78	1	25		1	8	Raw material, rhyolite, dk. gray		
163	28	125	95	2.1	60	70	0.78	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
163	28	125	95	2.1	60	70	0.78	4	25		1	6	Raw material, rhyolite, lt. gray		
163	28	125	95	2.1	60	70	0.78	1	25			11	Raw material, unidentified, black		
164	28	125	95	3.1	70	83	0.78	4	8		2	2	FCR(possible), quartz, white/red		
164	28	125	95	3.1	70	83	0.78	1	1	5	2	3	Flake, primary shatter, quartz, tan		
164	28	125	95	3.1	70	83	0.78	2	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
164	28	125	95	3.1	70	83	0.78	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
164	28	125	95	3.1	70	83	0.78	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.4	5
164	28	125	95	3.1	70	83	0.78	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.9	3
164	**28**	**125**	**95**	**3.1**	**70**	**83**	**0.78**	**1**	**6**	**1**	**1**	**9**	**Point, basal frag, rhyolite, green**		
164	28	125	95	3.1	70	83	0.78	1	25		1	7	Raw material, rhyolite, gray		
165	45	125	102	1.2	10	20	0.85	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	3.3	4
165	45	125	102	1.2	10	20	0.85	1	3	3	2	7	Flake, tertiary terminal frag, quartzite, gray		
165	45	125	102	1.2	10	20	0.85	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
166	45	125	102	2.1	20	30	0.85	1	2	3	3	7	Flake, secondary terminal frag, quartzite, gray		
166	45	125	102	2.1	20	30	0.85	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	2.8	2
167	45	125	102	2.2	30	40	0.85	1	8		3	0	FCR, quartzite, red		
167	45	125	102	2.2	30	40	0.85	1	1	5	1	9	Flake primary shatter, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	2	1	6	1	7	Flake, primary chunk, rhyolite, gray		
167	45	125	102	2.2	30	40	0.85	1	1	5	1	7	Flake, primary shatter, rhyolite, gray		
167	45	125	102	2.2	30	40	0.85	1	1	5	1	3	Flake, primary shatter, rhyolite, tan		
167	45	125	102	2.2	30	40	0.85	3	1	3	1	3	Flake, primary terminal frag, rhyolite, tan		
167	45	125	102	2.2	30	40	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.9	4
167	45	125	102	2.2	30	40	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.2	3
167	45	125	102	2.2	30	40	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.4	2
167	45	125	102	2.2	30	40	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.6	4
167	45	125	102	2.2	30	40	0.85	2	2	6	1	9	Flake, secondary chunk, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	1	2	5	1	7	Flake, secondary shatter, rhyolite, gray		
167	45	125	102	2.2	30	40	0.85	1	2	3	4	6	Flake, secondary terminal frag, chert, lt. gray		

167	45	125	102	2.2	30	40	0.85	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	1	2.1	4	1	4	Flake, secondary unsp, whole, rhyolite, brown	3.2	3
167	45	125	102	2.2	30	40	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.3	2
167	45	125	102	2.2	30	40	0.85	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
167	45	125	102	2.2	30	40	0.85	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
167	45	125	102	2.2	30	40	0.85	2	3	5	1	7	Flake, tertiary shatter, rhyolite, gray		
167	45	125	102	2.2	30	40	0.85	6	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
167	45	125	102	2.2	30	40	0.85	1	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
167	45	125	102	2.2	30	40	0.85	9	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
167	45	125	102	2.2	30	40	0.85	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	11.3	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4.4	2
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.6	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	4.5	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.1	5
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.9	5
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	4
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.1	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	2
167	45	125	102	2.2	30	40	0.85	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, purplish lt. gray	3.1	5
167	45	125	102	2.2	30	40	0.85	1	25		1	6	Raw material, rhyolite, lt. gray		
167	45	125	102	2.2	30	40	0.85	2	25		1	0	Raw material, rhyolite, reddish gray		
167	45	125	102	2.2	30	40	0.85	1	4	3	2	1	Utilized flake, tertiary terminal frag, quartz, crystal		
167	45	125	102	2.2	30	40	0.85	1	4	3	2	1	Utilized flake, tertiary terminal frag, quartz, crystal		
168	45	125	102	2.3	40	50	0.85	1	2	6	1	8	Flake, secondary chunk, rhyolite, dk. gray		
168	45	125	102	2.3	40	50	0.85	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	8.9	4
168	45	125	102	2.3	40	50	0.85	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	6.2	5
168	45	125	102	2.3	40	50	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	3
168	45	125	102	2.3	40	50	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.3	2
168	45	125	102	2.3	40	50	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
168	45	125	102	2.3	40	50	0.85	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
168	45	125	102	2.3	40	50	0.85	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	9	3
168	45	125	102	2.3	40	50	0.85	1	25		1	6	Raw material, rhyolite, lt. gray/red		
169	45	125	102	2.4	50	54	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	3
169	45	125	102	2.4	50	54	0.85	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
170	45	125	102	3.1	54	51	0.85	1	8		2	0	FCR, quartz, red		
170	45	125	102	3.1	54	51	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.4	5
170	45	125	102	3.1	54	51	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.4	4
170	45	125	102	3.1	54	51	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.9	2
170	45	125	102	3.1	54	51	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.9	3
170	45	125	102	3.1	54	51	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.9	3
170	45	125	102	3.1	54	51	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.5	3
170	45	125	102	3.1	54	51	0.85	1	3	6	1	3	Flake, tertiary chunk, rhyolite, tan		
170	45	125	102	3.1	54	51	0.85	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
170	45	125	102	3.1	54	51	0.85	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
170	45	125	102	3.1	54	51	0.85	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
170	45	125	102	3.1	54	51	0.85	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		

170	45	125	102	3.1	54	51	0.85	1	3.1	1	1	4	Flake, tertiary unsp, platform frag, rhyolite, lt. brown	
170	45	125	102	3.1	54	51	0.85	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	3.8	2
170	45	125	102	3.1	54	51	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	3
170	45	125	102	3.1	54	51	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
170	45	125	102	3.1	54	51	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
170	45	125	102	3.1	54	51	0.85	1	25		2	2	Raw material, quartz, white	
171	45	125	102	4.1	61	70	0.85	3	8		2	0	FCR, quartz, red	
172	45	125	102	5.1	70	80	0.85	1	23		23	11	Charcoal, <0.1g.	
172	45	125	102	5.1	70	80	0.85	7	8		2	0	FCR(possible), quartz, red	
172	45	125	102	5.1	70	80	0.85	2	8		3	0	FCR, quartzite, red	
172	45	125	102	5.1	70	80	0.85	2	1	6	1	9	Flake, primary chunk, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	1	6	1	3	Flake, primary chunk, rhyolite, tan	
172	45	125	102	5.1	70	80	0.85	5	1	5	1	9	Flake, primary shatter, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray	
172	45	125	102	5.1	70	80	0.85	4	1	5	1	3	Flake, primary shatter, rhyolite,tan	
172	45	125	102	5.1	70	80	0.85	2	1	3	1	8	Flake, primary terminal frag, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	2	1	3	1	3	Flake, primary terminal frag, rhyolite, tan	
172	45	125	102	5.1	70	80	0.85	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	1.1	1	1	6	Flake, primary unsp, platform frag, rhyolite, lt. gray	
172	45	125	102	5.1	70	80	0.85	1	1.1	4	2	0	Flake, primary unsp, whole, quartz, red	6.3	3
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	37.5	5
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.6	2
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	14.7	4
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	13.6	5
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	17	5
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.7	4
172	45	125	102	5.1	70	80	0.85	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6	3
172	45	125	102	5.1	70	80	0.85	1	2	2	1	8	Flake, secondary medial frag, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	2	2	5	1	8	Flake, secondary shatter, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	4	2	5	1	9	Flake, secondary shatter, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	13.5	5
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	8.4	4
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	8.3	2
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.9	5
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	31.2	5
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20.6	5
172	45	125	102	5.1	70	80	0.85	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10	3
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	9.4	2
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.3	2
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	3
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.7	3
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.8	4
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
172	45	125	102	5.1	70	80	0.85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.3	2
172	45	125	102	5.1	70	80	0.85	1	3	6	1	8	Flake, tertiary chunk, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	2	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	24	3	5	1	9	Flake, tertiary shatter, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray	
172	45	125	102	5.1	70	80	0.85	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, brown	
172	45	125	102	5.1	70	80	0.85	2	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray	
172	45	125	102	5.1	70	80	0.85	13	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	4	3	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green	
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	14.3	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	11.3	4
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	2.6	2
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	4.1	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	40.4	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.7	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	54.6	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.7	5

172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.2	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	4
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	4
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.9	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24.6	5
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	4
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	2
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	2
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.2	3
172	45	125	102	5.1	70	80	0.85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
172	45	125	102	5.1	70	80	0.85	7	25		2	2	Raw material, quartz, white		
172	45	125	102	5.1	70	80	0.85	4	25		1	7	Raw material, rhyolite, gray		
172	45	125	102	5.1	70	80	0.85	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
172	45	125	102	5.1	70	80	0.85	2	25		1	18	Raw material, rhyolite, reddish brown		
172	45	125	102	5.1	70	80	0.85	1	5	4	3	8	Scraper, quartzite(?), dk. gray		
172	45	125	102	5.1	70	80	0.85	1	5	4	3	8	Scraper, quartzite(?), dk. gray		
173	37	125	103	1.2	10	21	0.87	4	8		2	0	FCR(possible), quartz, pink		
173	37	125	103	1.2	10	21	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
173	37	125	103	1.2	10	21	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	4.8	3
173	37	125	103	1.2	10	21	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
173	37	125	103	1.2	10	21	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	8.3	3
173	37	125	103	1.2	10	21	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
173	37	125	103	1.2	10	21	0.87	1	9				Sherdlet, uid temper, uid surface		
174	37	125	103	2.1	21	31	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
175	37	125	103	2.3	42	51	0.87	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
175	37	125	103	2.3	42	51	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.2	4
175	37	125	103	2.3	42	51	0.87	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
175	37	125	103	2.3	42	51	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
175	37	125	103	2.3	42	51	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
175	37	125	103	2.3	42	51	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	4
175	37	125	103	2.3	42	51	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	3
175	37	125	103	2.3	42	51	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
175	37	125	103	2.3	42	51	0.87	1	25		1	3	Raw material, rhyolite, tan		
176	37	125	103	3.1	52	62	0.87	1	1	5	1	7	Flake primary shatter, rhyolite, gray/red		
176	37	125	103	3.1	52	62	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	16.1	5
176	37	125	103	3.1	52	62	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.7	5
176	37	125	103	3.1	52	62	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	12	4
176	37	125	103	3.1	52	62	0.87	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
176	37	125	103	3.1	52	62	0.87	2	2	3	1	8	Flake, secondary terminal frag, rhyolite, dk. gray		
176	37	125	103	3.1	52	62	0.87	1	2.1	4	1	7	Flake, secondary unsp, whole, rhyolite, gray	13.4	4
176	37	125	103	3.1	52	62	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13	4
176	37	125	103	3.1	52	62	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	12.9	5
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	19.3	4
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9	5
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	3
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	3
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.8	4
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.1	5
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	3
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.6	2
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	3
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.9	2
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13.3	3
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	2
176	37	125	103	3.1	52	62	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	2

176	37	125	103	3.1	52	62	0.87	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
176	37	125	103	3.1	52	62	0.87	6	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
176	37	125	103	3.1	52	62	0.87	1	3	5	1	6	Flake, tertiary shatter, rhyolite, purplish lt. gray		
176	37	125	103	3.1	52	62	0.87	18	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
176	37	125	103	3.1	52	62	0.87	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
176	37	125	103	3.1	52	62	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolit, dk. gray	9.1	4
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolit, dk. gray	7	2
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	14.2	4
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.5	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	4.9	2
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	8.1	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	13.1	4
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19	5
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	4
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	5
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	1.4	2
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	4
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	5
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.4	3
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.2	2
176	37	125	103	3.1	52	62	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, purplish lt. gray	5.9	3
176	37	125	103	3.1	52	62	0.87	1	25		2	3	Raw material, quartz, tan		
176	37	125	103	3.1	52	62	0.87	3	25		2	2	Raw material, quartz, white		
176	37	125	103	3.1	52	62	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
176	37	125	103	3.1	52	62	0.87	2	25		1	9	Raw material, rhyolite, green		
176	37	125	103	3.1	52	62	0.87	1	25		1	3	Raw material, rhyolite, tan		
177	37	125	103	4.1	62	72	0.87	1	23		23		Charcoal, <0.1g.		
177	37	125	103	4.1	62	72	0.87	5	8		2	0	FCR, quartz, red		
177	37	125	103	4.1	62	72	0.87	1	1	6	1	7	Flake, primary chunk, rhyolite, gray/red		
177	37	125	103	4.1	62	72	0.87	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	2	1	2	1	9	Flake, primary medial frag, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	1	1	2	1	6	Flake, primary medial frag, rhyolite, lt. gray		
177	37	125	103	4.1	62	72	0.87	1	1	5	1	7	Flake, primary shatter, rhyolite, gray/red		
177	37	125	103	4.1	62	72	0.87	13	1	5	1	9	Flake, primary shatter, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	1	1	5	1	3	Flake, primary shatter, rhyolite, tan		
177	37	125	103	4.1	62	72	0.87	2	1	3	1	20	Flake, primary terminal frag, rhyolite, gray coarse		
177	37	125	103	4.1	62	72	0.87	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	6	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
177	37	125	103	4.1	62	72	0.87	1	1	3	1	3	Flake, primary terminal frag, rhyolite, tan		
177	37	125	103	4.1	62	72	0.87	1	1.1	4	1	4	Flake, primary unsp, whole, rhyolite, brown	6.1	4
177	37	125	103	4.1	62	72	0.87	1	1.1	4	1	7	Flake, primary unsp, whole, rhyolite, gray/red	6.2	4
177	37	125	103	4.1	62	72	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.5	2
177	37	125	103	4.1	62	72	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7	5
177	37	125	103	4.1	62	72	0.87	1	2.2	4	1	9	Flake, secondary bif thin, whole, rhyolite, green	11.8	5
177	37	125	103	4.1	62	72	0.87	1	2.2	4	1	6	Flake, secondary bif thin, whole, rhyolite, lt. gray	5.4	3
177	37	125	103	4.1	62	72	0.87	1	2.2	4	1	6	Flake, secondary bif thin, whole, rhyolite, lt. gray	3.8	2
177	37	125	103	4.1	62	72	0.87	1	2	5	1	7	Flake, secondary shatter, rhyolite, gray/red		
177	37	125	103	4.1	62	72	0.87	4	2	5	1	9	Flake, secondary shatter, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	10.5	5
177	37	125	103	4.1	62	72	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	6.7	4
177	37	125	103	4.1	62	72	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6	5

177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	4.5	2
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.2	4
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.7	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.1	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.8	2
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.6	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.7	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.3	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	7.7	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6.6	4
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	9.7	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.6	3
177	37	125	103	4.1	62	72	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.2	2
177	37	125	103	4.1	62	72	0.87	1	3	6	1	0	Flake, tertiary chunk, rhyolite, brown/red		
177	37	125	103	4.1	62	72	0.87	1	3	6	1	8	Flake, tertiary chunk, rhyolite, dk. gray		
177	37	125	103	4.1	62	72	0.87	4	3	3	1	9	Flake, tertiary chunk, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	1	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray		
177	37	125	103	4.1	62	72	0.87	7	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	3	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
177	37	125	103	4.1	62	72	0.87	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
177	37	125	103	4.1	62	72	0.87	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
177	37	125	103	4.1	62	72	0.87	14	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	1	3	3	4	8	Flake, tertiary terminal frag, chert, dk. gray		
177	37	125	103	4.1	62	72	0.87	4	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
177	37	125	103	4.1	62	72	0.87	31	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	2	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
177	37	125	103	4.1	62	72	0.87	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	8.3	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	9.4	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	4.8	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	5.1	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	2.7	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. brown	6.4	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. brown	5.9	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. brown	10.7	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. brown	4	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.1	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.8	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.7	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.8	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.1	5
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	3
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	11.5	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	9.3	4
177	37	125	103	4.1	62	72	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.9	4
177	37	125	103	4.1	62	72	0.87	1	6		1		Point, rhyolite		

177	37	125	103	4.1	62	72	0.87	7	25		2	2	Raw material, quartz, white		
177	37	125	103	4.1	62	72	0.87	1	25		3	3	Raw material, quartzite, tan		
177	37	125	103	4.1	62	72	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
177	37	125	103	4.1	62	72	0.87	4	25		1	9	Raw material, rhyolite, green		
177	37	125	103	4.1	62	72	0.87	3	25			0	Raw material, unidentified, coarse grained volcanic, pink		
177	37	125	103	4.1	62	72	0.87	3	25			8	Raw material, unidentified, dk. gray		
178	37	125	103	5.1	72	82	0.87	1	7		1	9	Core, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	7		1	9	Core, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	6	1	6	1	9	Flake, primary chunk, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	1	6	1	18	Flake, primary chunk, rhyolite, reddish brown		
178	37	125	103	5.1	72	82	0.87	4	1	2	1	9	Flake, primary medial frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	1	5	1	8	Flake, primary shatter, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	10	1	5	1	9	Flake, primary shatter, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	6	1	5	1	3	Flake, primary shatter, rhyolite, tan		
178	37	125	103	5.1	72	82	0.87	13	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	7	1	3	1	3	Flake, primary terminal frag, rhyolite, tan		
178	37	125	103	5.1	72	82	0.87	2	1.1	1	1	8	Flake, primary unsp, platform frag, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	3	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	11	Flake, primary unsp, whole, rhyolite, black	7.9	3
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	7	Flake, primary unsp, whole, rhyolite, gray/red	3.1	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.3	3
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.5	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	13.6	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.9	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	43.1	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	17.1	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	31.6	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	46.3	5
178	37	125	103	5.1	72	82	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	7.9	5
178	37	125	103	5.1	72	82	0.87	3	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	2	2	3	1	8	Flake, secondary terminal frag, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	8	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
178	37	125	103	5.1	72	82	0.87	4	2.1	1	1	8	Flake, secondary unsp, platform frag, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	7	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	27.8	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	24.5	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	14.1	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	15.2	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	14.1	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	12.3	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	17.2	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	19.5	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	12.9	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	26.1	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	15	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	48.7	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	38.8	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.8	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	25.6	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	29.4	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	22.1	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.3	4
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20.8	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.8	4
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.5	5
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.6	3
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4	4
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.1	4
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.1	3

178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.1	3
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.3	3
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.2	4
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	7.6	3
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	14.5	4
178	37	125	103	5.1	72	82	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	21.8	5
178	37	125	103	5.1	72	82	0.87	1	3	3	1	4	Flake, tertairy terminal frag, rhyolite, lt. brown		
178	37	125	103	5.1	72	82	0.87	2	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.6	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	4
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.5	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.7	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.2	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.8	4
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	7.3	3
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.9	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.2	2
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	9.6	4
178	37	125	103	5.1	72	82	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.1	3
178	37	125	103	5.1	72	82	0.87	8	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
178	37	125	103	5.1	72	82	0.87	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	1	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray/red		
178	37	125	103	5.1	72	82	0.87	27	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	20	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	7	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	97	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	3	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
178	37	125	103	5.1	72	82	0.87	15	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	25.5	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	18.2	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	15.8	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	7.4	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.1	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	10.4	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	10.2	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.1	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	14.1	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.8	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	5.7	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	9.3	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray/red	5.2	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray/red	7.3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.7	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	27.1	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.9	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	31	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.8	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.8	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26.7	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.4	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	29	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.5	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.8	5

178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	25.3	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.3	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.6	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.4	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.9	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28.3	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.7	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.6	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.3	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.4	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3.	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.5	4
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.7	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2	2

178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	36.2	5
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	2
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.8	3
178	37	125	103	5.1	72	82	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	2.7	2
178	**37**	**125**	**103**	**5.1**	**72**	**82**	**0.87**	**1**	**6**	**3**	**1**	**4**	**Point, tip frag, rhyolite, lt. brown**		
178	37	125	103	5.1	72	82	0.87	2	25		2	2	Raw material, quartz, white		
178	37	125	103	5.1	72	82	0.87	2	25		14	0	Raw material, conglomerate, pink		
178	37	125	103	5.1	72	82	0.87	6	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
178	37	125	103	5.1	72	82	0.87	2	25		1	9	Raw material, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green		
178	37	125	103	5.1	72	82	0.87	1	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green		
179	37	125	103		90	90	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	17.3	4
179	37	125	103		90	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	36.1	5
179	37	125	103		90	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20.9	5
179	37	125	103		90	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	45.8	5
179	37	125	103		90	90	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.1	3
179	37	125	103		90	90	0.87	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
179	37	125	103		90	90	0.87	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
179	37	125	103		90	90	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
179	37	125	103		90	90	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
179	37	125	103		90	90	0.87	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
179	37	125	103		90	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	5
180	48	125	104	2.1	20	30	0.87	1	8		2	0	FCR, quartz, pink		
180	48	125	104	2.1	20	30	0.87	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
180	48	125	104	2.1	20	30	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown		
181	48	125	104	2.2	30	40	0.87	1	8		2	0	FCR, quartz, pink		
181	48	125	104	2.2	30	40	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	6.9	2
181	48	125	104	2.2	30	40	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
181	48	125	104	2.2	30	40	0.87	1	3.1	1	2	1	Flake, tertiary unsp, platform frag, quartz, crystal		
182	48	125	104	2.3	40	50	0.87	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
182	48	125	104	2.3	40	50	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
182	48	125	104	2.3	40	50	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
182	48	125	104	2.3	40	50	0.87	1	25		2	3	Raw material, quartz, tan		
183	48	125	104	3.1	50	60	0.87	1	3	6	2	1	Flake, tertiary chunk, quartz, crystal		
183	48	125	104	3.1	50	60	0.87	1	3	5	1	4	Flake, tertiary shatter, rhyolite, lt. brown		
183	48	125	104	3.1	50	60	0.87	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
183	48	125	104	3.1	50	60	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
183	48	125	104	3.1	50	60	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
183	48	125	104	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.2	3
183	48	125	104	3.1	50	60	0.87	1	25		1	0	Raw material, rhyolite, red		
184	48	125	104	3.2	60	70	0.87	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
184	48	125	104	3.2	60	70	0.87	2	1	5	1	7	Flake, primary shatter, rhyolite, gray		
184	48	125	104	3.2	60	70	0.87	3	1	5	1	3	Flake, primary shatter, rhyolite, tan		
184	48	125	104	3.2	60	70	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.1	4
184	48	125	104	3.2	60	70	0.87	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
184	48	125	104	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.1	3
184	48	125	104	3.2	60	70	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	8.8	3
184	48	125	104	3.2	60	70	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	7	3
184	48	125	104	3.2	60	70	0.87	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
184	48	125	104	3.2	60	70	0.87	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
184	48	125	104	3.2	60	70	0.87	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
184	48	125	104	3.2	60	70	0.87	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
184	48	125	104	3.2	60	70	0.87	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
184	48	125	104	3.2	60	70	0.87	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
184	48	125	104	3.2	60	70	0.87	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
184	48	125	104	3.2	60	70	0.87	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	11.1	3
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	2.8	3
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	2
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3

184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	2
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.1	4
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3	3
184	48	125	104	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.9	3
184	48	125	104	3.2	60	70	0.87	1	9		6		Sherdlet, quartz sand temper, eroded surface		
185	48	125	104	4.1	70	80	0.87	1	6	3	1	9	Biface, terminal frag, rhyolite, green		
185	**48**	**125**	**104**	**4.1**	**70**	**80**	**0.87**	**1**	**6**	**3**	**1**	**9**	**Biface, terminal frag, rhyolite, green**		
185	48	125	104	4.1	70	80	0.87	5	8		2	0	FCR, quartz, red		
185	48	125	104	4.1	70	80	0.87	3	1	6	1	9	Flake, primary chunk, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	6	1	5	1	3	Flake, primary shatter, rhyolite, tan		
185	48	125	104	4.1	70	80	0.87	1	1	5	1	9	Flake, primary shatter, rhyoltie, green		
185	48	125	104	4.1	70	80	0.87	3	1	3	1	8	Flake, primary terminal frag, rhyolite, dk. gray		
185	48	125	104	4.1	70	80	0.87	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	1	1.1	4	1	8	Flake, primary unsp, whole, rhyolite, dk. gray	4.6	2
185	48	125	104	4.1	70	80	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	12.1	5
185	48	125	104	4.1	70	80	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.7	4
185	48	125	104	4.1	70	80	0.87	3	2	6	1	9	Flake, secondary chunk, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	2	2	5	1	3	Flake, secondary shatter, rhyolite, tan		
185	48	125	104	4.1	70	80	0.87	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	2.4	2
185	48	125	104	4.1	70	80	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	1.9	2
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*10.6*	*4*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*2.1*	*4*	*1*	*9*	*Flake, secondary unsp, whole, rhyolite, green*	*9.2*	*5*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.6*	*3*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*5*	*3*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*5.5*	*2*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*6.4*	*2*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*8.3*	*2*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*7.8*	*2*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.8*	*2*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.8*	*2*
185	*48*	*125*	*104*	*4.1*	*70*	*80*	*0.87*	*1*	*3.2*	*4*	*1*	*9*	*Flake, tertiary bif thin, whole, rhyolite, green*	*3.7*	*3*
185	48	125	104	4.1	70	80	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	4.6	5
185	48	125	104	4.1	70	80	0.87	2	3	6	1	7	Flake, tertiary chunk, rhyolite, gray/red		
185	48	125	104	4.1	70	80	0.87	1	3	6	1	0	Flake, tertiary chunk, rhyolite, red		
185	48	125	104	4.1	70	80	0.87	7	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
185	48	125	104	4.1	70	80	0.87	14	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	1	3	5	1	3	Flake, tertiary shatter, rhyolite, tan		
185	48	125	104	4.1	70	80	0.87	37	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	5	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
185	48	125	104	4.1	70	80	0.87	1	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
185	48	125	104	4.1	70	80	0.87	6	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
185	48	125	104	4.1	70	80	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	6.9	2
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	3.8	2
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	10.7	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.4	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	9.3	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.6	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	5.3	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	9.9	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.1	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	35.6	5
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3

185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	4
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.9	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	10.7	3
185	48	125	104	4.1	70	80	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	10.6	3
185	48	125	104	4.1	70	80	0.87	2	25		2	2	Raw material, quartz, white		
185	48	125	104	4.1	70	80	0.87	7	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
185	48	125	104	4.1	70	80	0.87	2	25			8	Raw material, unidentified, dk. gray		
185	48	125	104	4.1	70	80	0.87	2	25			0	Raw material, unidentified, pink		
186	48	125	104	5.1	80	90	0.87	1	7		1	9	Core, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	7		1	9	Core, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	9	1	5	1	9	Flake, primary shatter, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	3	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	3	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.6	5
186	48	125	104	5.1	80	90	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.1	4
186	48	125	104	5.1	80	90	0.87	3	2	5	1	9	Flake, secondary shatter, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	3	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	2	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	16.8	4
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	36.3	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	34.6	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	35.2	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.4	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.1	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.5	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.7	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.4	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	30.2	5
186	48	125	104	5.1	80	90	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.1	5
186	48	125	104	5.1	80	90	0.87	8	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
186	48	125	104	5.1	80	90	0.87	5	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	27	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	3	3	1	7	Flake, tertiary terminal frag, rhyolite, gray/red		
186	48	125	104	5.1	80	90	0.87	22	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	2	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
186	48	125	104	5.1	80	90	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	5.9	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	8.6	3
186	48	125	104	5.1	80	90	0.87	1	1.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	47.2	5
186	48	125	104	5.1	80	90	0.87	1	1.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.2	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	5
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	5
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	5
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	25.8	5
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	4
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	4
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3

186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	4
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.5	4
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.5	4
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	5
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	5
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	4
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
186	48	125	104	5.1	80	90	0.87	1	3.2	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.5	2
186	48	125	104	5.1	80	90	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	29	5
186	48	125	104	5.1	80	90	0.87	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
186	48	125	104	5.1	80	90	0.87	1	4.1	4	1	9	Utilized flake, tertiary unsp, whole, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	4.1	4	1	9	Utilized flake, tertiary unsp, whole, rhyolite, green		
186	48	125	104	5.1	80	90	0.87	1	4.1	4	1	8	Utilized, flake, tertiary unsp, whole, rhyolite, dk. gray		
186	48	125	104	5.1	80	90	0.87	1	4.1	4	1	8	Utilized, flake, tertiary unsp, whole, rhyolite, dk. gray		
187	48	125	104		80	81	0.87	1	23		22		Bone, uid -- bag says: probably modern, knocked into pit		
188	51	125	105	2.2	30	40		1	7		3	3	Core(possible), quartzite, tan		
188	51	125	105	2.2	30	40		1	7		3	3	Core(possible), quartzite, tan		
188	51	125	105	2.2	30	40		1	3.1	1	2	1	Flake, tertiary unsp, platform frag, quartz, crystal		
189	51	125	105	2.3	40	50		1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown		
189	51	125	105	2.3	40	50		2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
189	51	125	105	2.3	40	50		1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
189	51	125	105	2.3	40	50		1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.3	2
190	51	125	105	3.1	50	60		2	8		2	2	FCR (possible), quartz, white		
190	51	125	105	3.1	50	60		1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.7	5
190	51	125	105	3.1	50	60		1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.2	3
190	51	125	105	3.1	50	60		1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3	2
190	51	125	105	3.1	50	60		1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
190	51	125	105	3.1	50	60		1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
190	51	125	105	3.1	50	60		1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
190	51	125	105	3.1	50	60		1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
190	51	125	105	3.1	50	60		1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	3.8	2
190	51	125	105	3.1	50	60		1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
190	51	125	105	3.1	50	60		1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	2
191	51	125	105	3.2	60	70		1	8		2	0	FCR, quartz, red/white		
191	51	125	105	3.2	60	70		1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.1	5
191	51	125	105	3.2	60	70		1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	14.2	5
191	51	125	105	3.2	60	70		1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	11.4	3
191	51	125	105	3.2	60	70		1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	3
191	51	125	105	3.2	60	70		1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.9	3
191	51	125	105	3.2	60	70		1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
191	51	125	105	3.2	60	70		1	3	5	2	2	Flake, tertiary shatter, quartz, white		
191	51	125	105	3.2	60	70		1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
191	51	125	105	3.2	60	70		2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
191	51	125	105	3.2	60	70		1	3	3	2	2	Flake, tertiary terminal frag, quartz, white		
191	51	125	105	3.2	60	70		2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
191	51	125	105	3.2	60	70		1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
191	51	125	105	3.2	60	70		1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	7.5	4
191	51	125	105	3.2	60	70		1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.9	5
191	51	125	105	3.2	60	70		1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
191	51	125	105	3.2	60	70		1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2

191	51	125	105	3.2	60	70	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
191	51	125	105	3.2	60	70	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.5	3
191	51	125	105	3.2	60	70	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.2	4
191	51	125	105	3.2	60	70	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.7	2
191	51	125	105	3.2	60	70	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.5	2
191	51	125	105	3.2	60	70	3	25		14	0	Raw material, conglomerate, pink		
191	51	125	105	3.2	60	70	3	25		2	2	Raw material, quartz, white		
191	51	125	105	3.2	60	70	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
191	51	125	105	3.2	60	70	1	25		1	0	Raw material, rhyolite, red		
192	51	125	105	4.1	70	75	1	6		1	6	Biface, rhyolite, lt. gray		
192	**51**	**125**	**105**	**4.1**	**70**	**75**	**1**	**6**		**1**	**6**	**Biface, rhyolite, lt. gray**		
192	51	125	105	4.1	70	75	2	8		2	0	FCR, quartz, red		
192	51	125	105	4.1	70	75	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	15.9	5
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4	3
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4	3
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.6	3
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	2
192	51	125	105	4.1	70	75	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	2
192	51	125	105	4.1	70	75	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	5.4	2
192	51	125	105	4.1	70	75	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	2.4	2
192	51	125	105	4.1	70	75	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
192	51	125	105	4.1	70	75	3	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
192	51	125	105	4.1	70	75	1	3	5	1	7	Flake, tertiary shatter, rhyolite, gray		
192	51	125	105	4.1	70	75	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
192	51	125	105	4.1	70	75	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
192	51	125	105	4.1	70	75	2	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray/red		
192	51	125	105	4.1	70	75	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
192	51	125	105	4.1	70	75	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green/lt. brown		
192	51	125	105	4.1	70	75	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
192	51	125	105	4.1	70	75	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
192	51	125	105	4.1	70	75	1	3	3	1	3	Flake, tertiary terminal frag, rhyolite, tan		
192	51	125	105	4.1	70	75	1	3.1	1	4	16	Flake, tertiary unsp, platform frag, chert, purplish black		
192	51	125	105	4.1	70	75	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.6	5
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	5
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	3
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	3
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
192	51	125	105	4.1	70	75	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
192	51	125	105	4.1	70	75	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7	4
192	51	125	105	4.1	70	75	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.3	4
192	51	125	105	4.1	70	75	1	25		14	0	Raw material, conglomerate, pink		
192	51	125	105	4.1	70	75	2	25		2	2	Raw material, quartz, white		
192	51	125	105	4.1	70	75	1	25		1	7	Raw material, rhyolite, gray		
192	51	125	105	4.1	70	75	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
193	51	125	105	5.1	75	85	1	3.2	4	1	8	Flake, tertiary bif thin, rhyolite, dk. gray	3.9	2
193	51	125	105	5.1	75	85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.9	3
193	51	125	105	5.1	75	85	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
193	51	125	105	5.1	75	85	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
193	51	125	105	5.1	75	85	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
193	51	125	105	5.1	75	85	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
193	51	125	105	5.1	75	85	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
193	51	125	105	5.1	75	85	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
193	51	125	105	5.1	75	85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
193	51	125	105	5.1	75	85	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
193	51	125	105	5.1	75	85	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.3	3

193	51	125	105	5.1	75	85		1	25		14	0	Raw material, conglomerate, pink		
194	56	125	106	1.2	10	20	0.9	1	8		2	0	FCR, quartz, red		
194	56	125	106	1.2	10	20	0.9	1	1	3	2	3	Flake, primary terminal frag, quartz, tan		
194	56	125	106	1.2	10	20	0.9	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. gray	6.9	2
194	56	125	106	1.2	10	20	0.9	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	13.9	4
194	56	125	106	1.2	10	20	0.9	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	3.9	2
194	56	125	106	1.2	10	20	0.9	2	9		6		Sherd, quartz sand temper, eroded surface		
195	56	125	106	2.1	20	30	0.9	1	25		14	0	Raw material, conglomerate, pink		
196	56	125	106	2.2	30	40	0.9	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
197	56	125	106	2.3	40	50	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	4
197	56	125	106	2.3	40	50	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13.4	4
197	56	125	106	2.3	40	50	0.9	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
197	56	125	106	2.3	40	50	0.9	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
197	56	125	106	2.3	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	3
197	56	125	106	2.3	40	50	0.9	5	25		14	0	Raw material, conglomerate, pink		
198	56	125	106	3.1	50	60	0.9	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	17	5
198	56	125	106	3.1	50	60	0.9	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	9.2	5
198	56	125	106	3.1	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.7	5
198	56	125	106	3.1	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.3	3
198	56	125	106	3.1	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	4
198	56	125	106	3.1	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
198	56	125	106	3.1	50	60	0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.9	3
198	56	125	106	3.1	50	60	0.9	1	25		2	2	Raw material, quartz, white		
198	56	125	106	3.1	50	60	0.9	4	25		1	0	Raw material, rhyolite, pink		
199	56	125	106	4.1	60	70	0.9	5	8		2	0	FCR, quartz, red		
199	56	125	106	4.1	60	70	0.9	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
199	56	125	106	4.1	60	70	0.9	1	2.1	4	1	0	Flake, secondary unsp, whole, rhyolite, pink	16	5
199	56	125	106	4.1	60	70	0.9	1	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, brown	5.2	2
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7	3
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7	3
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	2
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.2	2
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	4
199	56	125	106	4.1	60	70	0.9	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.9	3
199	56	125	106	4.1	60	70	0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
199	56	125	106	4.1	60	70	0.9	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
199	56	125	106	4.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	4
199	56	125	106	4.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
199	56	125	106	4.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
199	56	125	106	4.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
199	56	125	106	4.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
199	56	125	106	4.1	60	70	0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, purplish lt. gray	6.9	3
199	56	125	106	4.1	60	70	0.9	1	6		1		Point, rhyolite		
199	56	125	106	4.1	60	70	0.9	1	6		1		Point, rhyolite		
199	56	125	106	4.1	60	70	0.9	1	6		1		Point, rhyolite		
199	56	125	106	4.1	60	70	0.9	1	6		1		Point, rhyolite		
199	56	125	106	4.1	60	70	0.9	4	25		2	2	Raw material, quartz, white		
199	56	125	106	4.1	60	70	0.9	1	25		1	4	Raw material, rhyolite, brown/red		
199	56	125	106	4.1	60	70	0.9	2	25		1	6	Raw material, rhyolite, lt. gray		
200	56	125	106	4.2	70	75	0.9	9	8		2	0	FCR, quartz, red		
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.2	3
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13	4
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	3
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.8	2
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
200	56	125	106	4.2	70	75	0.9	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	8.5	4
200	56	125	106	4.2	70	75	0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
200	56	125	106	4.2	70	75	0.9	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
200	56	125	106	4.2	70	75	0.9	1	3.1	1	1	7	Flake, tertiary unsp, platform frag, rhyolite, gray		
200	56	125	106	4.2	70	75	0.9	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	7.5	3
200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3

200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	4
200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	4
200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	2
200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
200	56	125	106	4.2	70	75	0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, purplish lt. gray	7.2	4
200	**56**	**125**	**106**	**4.2**	**70**	**75**	**0.9**	**1**	**6**	**3**	**1**	**4**	**Point, tip frag, rhyolite, brown**		
200	56	125	106	4.2	70	75	0.9	4	25		2	2	Raw material, quartz, white		
200	56	125	106	4.2	70	75	0.9	1	25		1	7	Raw material, rhyolite, gray		
200	56	125	106	4.2	70	75	0.9	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
200	56	125	106	4.2	70	75	0.9	1	25		1	0	Raw material, rhyolite, red/green		
200	56	125	106	4.2	70	75	0.9	1			10	6	Soapstone, lt. gray		
200	56	125	106	4.2	70	75	0.9	1	4.1	4	1	9	Utilized flake, tertiary unsp, whole, rhyolite, green	30.8	5
200	56	125	106	4.2	70	75	0.9	1	4.1	4	1	9	Utilized flake, tertiary unsp, whole, rhyolite, green	30.8	5
201	56	125	106	4.3	75	80	0.9	1	6	3	1	7	Biface, tip frag, rhyolite, gray		
201	**56**	**125**	**106**	**4.3**	**75**	**80**	**0.9**	**1**	**6**	**3**	**1**	**7**	**Biface, tip frag, rhyolite, gray**		
201	56	125	106	4.3	75	80	0.9	1	8		3	0	FCR, quartzite, red		
201	56	125	106	4.3	75	80	0.9	1	2	5	1	8	Flake, secondary shatter, rhyolite, dk. gray		
201	56	125	106	4.3	75	80	0.9	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, brown	4.5	4
201	56	125	106	4.3	75	80	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.7	3
201	56	125	106	4.3	75	80	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
201	56	125	106	4.3	75	80	0.9	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.8	3
201	56	125	106	4.3	75	80	0.9	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.1	3
201	56	125	106	4.3	75	80	0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
201	56	125	106	4.3	75	80	0.9	1	3	5	1	7	Flake, tertiary shatter, rhyolite, gray/red		
201	56	125	106	4.3	75	80	0.9	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
201	56	125	106	4.3	75	80	0.9	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
201	56	125	106	4.3	75	80	0.9	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
201	56	125	106	4.3	75	80	0.9	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	5
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	4
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	3
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.5	4
201	56	125	106	4.3	75	80	0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	9.8	3
201	56	125	106	4.3	75	80	0.9	2	25		2	2	Raw material, quartz, white		
201	56	125	106	4.3	75	80	0.9	1	25		1	6	Raw material, rhyolite, lt. gray		
202	33	125	109	1.2	10	20	0.89	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	2.3	2
202	33	125	109	1.2	10	20	0.89	1	3	2	2	2	Flake, tertiary medial frag, quartz, white		
202	33	125	109	1.2	10	20	0.89	1	4.2	4	1	6	Utilized flake, tertiary bif thin, whole, rhyolite, lt. gray	4.6	4
202	33	125	109	1.2	10	20	0.89	1	4.2	4	1	6	Utilized flake, tertiary bif thin, whole, rhyolite, lt. gray	4.6	4
203	33	125	109	2.1	20	30	0.89	1	25			8	Raw material, schist, dk. gray/red		
204	33	125	109	2.2	30	40	0.89	1	7		2	2	Core(bifacial), quartz, white		
204	33	125	109	2.2	30	40	0.89	1	7		2	2	Core(bifacial), quartz, white		
205	33	125	109	2.3	40	50	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	4
205	33	125	109	2.3	40	50	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.2	2
205	33	125	109	2.3	40	50	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	3
206	33	125	109	2.4	50	60	0.89	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	4.5	2
206	33	125	109	2.4	50	60	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	8.5	3
206	33	125	109	2.4	50	60	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	8.3	2
206	33	125	109	2.4	50	60	0.89	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
206	33	125	109	2.4	50	60	0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
206	33	125	109	2.4	50	60	0.89	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
206	33	125	109	2.4	50	60	0.89	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
207	33	125	109	3.1	60	70	0.89	1	8		2	0	FCR, quartz, red		
207	33	125	109	3.1	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	2
207	33	125	109	3.1	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	3
207	33	125	109	3.1	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.3	4
207	33	125	109	3.1	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.1	2

207	33	125	109	3.1	60	70	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.6	3
207	33	125	109	3.1	60	70	0.89	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
207	33	125	109	3.1	60	70	0.89	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
207	33	125	109	3.1	60	70	0.89	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
207	33	125	109	3.1	60	70	0.89	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
207	33	125	109	3.1	60	70	0.89	1	3	5	1	9	Flake, tertiary terminal shatter, rhyolite, green		
207	33	125	109	3.1	60	70	0.89	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
207	33	125	109	3.1	60	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	5
207	33	125	109	3.1	60	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	4
207	33	125	109	3.1	60	70	0.89	2	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green		
207	33	125	109	3.1	60	70	0.89	2	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green		
208	33	125	109	3.2	70	80	0.89	2	8		2	0	FCR, quartz, red		
208	33	125	109	3.2	70	80	0.89	1	1	6	1	0	Flake, primary chunk, rhyolite, pink		
208	33	125	109	3.2	70	80	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	5
208	33	125	109	3.2	70	80	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.2	2
208	33	125	109	3.2	70	80	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	2
208	33	125	109	3.2	70	80	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	12.2	5
208	33	125	109	3.2	70	80	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	2.8	4
208	33	125	109	3.2	70	80	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	2.8	2
208	33	125	109	3.2	70	80	0.89	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
208	33	125	109	3.2	70	80	0.89	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
208	33	125	109	3.2	70	80	0.89	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
208	33	125	109	3.2	70	80	0.89	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	7.5	3
208	33	125	109	3.2	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	4
208	33	125	109	3.2	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
208	33	125	109	3.2	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	4
208	33	125	109	3.2	70	80	0.89	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.4	5
208	33	125	109	3.2	70	80	0.89	1	25			8	Raw material, unidentified, dk. gray		
208	33	125	109	3.2	70	80	0.89	1	4.1	4	1	9	Utilized flake, secondary unsp, whole, rhyolite, green	13.5	5
208	33	125	109	3.2	70	80	0.89	1	4.1	4	1	9	Utilized flake, secondary unsp, whole, rhyolite, green	13.5	5
209	33	125	109	4.1	80	90	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	2
209	33	125	109	4.1	80	90	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
209	33	125	109	4.1	80	90	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	5.5	5
209	33	125	109	4.1	80	90	0.89	1	3	5	2	7	Flake, tertiary shatter, quartz, gray		
209	33	125	109	4.1	80	90	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	3
209	33	125	109	4.1	80	90	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
209	33	125	109	4.1	80	90	0.89	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.5	2
209	33	125	109	4.1	80	90	0.89	1	25		14	0	Raw material, conglomerate, pink		
210	10	125	110	1.2	10	20	0.9	1	2	3	4	11	Flake, secondary terminal frag, chert, black		
210	10	125	110	1.2	10	20	0.9	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
210	10	125	110	1.2	10	20	0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	14.3	4
210	10	125	110	1.2	10	20	0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	9.1	3
210	10	125	110	1.2	10	20	0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	4.4	2
210	10	125	110	1.2	10	20	0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.1	3
211	10	125	110	2.1	20	30	0.9	1	3	3	4	4	Flake, tertiary terminal frag, chert, brown		
211	10	125	110	2.1	20	30	0.9	1	4.1	4	2	2	Utilized flake, tertiary unsp, whole, quartz, white	5.2	5
211	10	125	110	2.1	20	30	0.9	1	4.1	4	2	2	Utilized flake, tertiary unsp, whole, quartz, white	5.2	5
212	10	125	110	2.3	40	50	0.9	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
212	10	125	110	2.3	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	3
212	10	125	110	2.3	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
212	10	125	110	2.3	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
212	10	125	110	2.3	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
213	10	125	110	2.4	50	60	0.9	1	2	6	1	4	Flake, secondary chunk, rhyolite, brown		
213	10	125	110	2.4	50	60	0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
213	10	125	110	2.4	50	60	0.9	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
213	10	125	110	2.4	50	60	0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	7.7	3
213	10	125	110	2.4	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
213	10	125	110	2.4	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	3
213	10	125	110	2.4	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	2
213	10	125	110	2.4	50	60	0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyoltie, lt. brown	4.5	2
214	10	125	110	2.5	60	66	0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
214	10	125	110	2.5	60	66	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	2
214	10	125	110	2.5	60	66	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	2
215	10	125	110	3.1	66	76	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2

215	10	125	110	3.1	66	76		0.9	1	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
215	10	125	110	3.1	66	76		0.9	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
215	10	125	110	3.1	66	76		0.9	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.7	3
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.9	2
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.3	5
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
215	10	125	110	3.1	66	76		0.9	1	3.1	4	1	0	Flake, tertiary unsp, whole, rhyolite, pink	10.6	5
215	10	125	110	3.1	66	76		0.9	1	25		1	9	Raw material, rhyolite, green		
215	10	125	110	3.1	66	76		0.9	1	25		1	6	Raw material, rhyolite, lt. gray/red		
215	10	125	110	3.1	66	76		0.9	1	25			8	Raw material, unidentified, dk. gray		
215	10	125	110	3.1	66	76		0.9	1	4.1	4	2	2	Utilized flake, tertiary unsp, whole, quartz, white	6.9	4
215	10	125	110	3.1	66	76		0.9	1	4.1	4	2	2	Utilized flake, tertiary unsp, whole, quartz, white	6.9	4
216	10	125	110	4.1	76	86		0.9	4	8		2	2	FCR, quartz, white		
216	10	125	110	4.1	76	86		0.9	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	3.1	3
216	10	125	110	4.1	76	86		0.9	1	3	6	1	0	Flake, tertiary chunk, rhyolite, pink		
216	10	125	110	4.1	76	86		0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
216	10	125	110	4.1	76	86		0.9	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
216	10	125	110	4.1	76	86		0.9	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
216	10	125	110	4.1	76	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9	4
216	10	125	110	4.1	76	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
216	10	125	110	4.1	76	86		0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.2	3
216	10	125	110	4.1	76	86		0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.6	3
216	10	125	110	4.1	76	86		0.9	1	6		1		Point, rhyolite		
216	10	125	110	4.1	76	86		0.9	5	25		14	0	Raw material, conglomerate, pink		
217	10	125	110		10	10	2	0.9	1	8		3	0	FCR, quartzite, red/white		
217	10	125	110		10	10	2	0.9	2	25		1	0	Raw material, rhyolite(?), pink		
217	10	125	110		10	10	2	0.9	1	25		3	0	River cobble, quartzite, pink		
218	20	126	89	2.1	10	20		0.87	1	8		2	0	FCR, quartz, red		
218	20	126	89	2.1	10	20		0.87	2	1	6	1	0	Flake, primary chunk, rhyolite, pink		
218	20	126	89	2.1	10	20		0.87	1	1	5	1	8	Flake, primary shatter, rhyolite, dk. gray		
218	20	126	89	2.1	10	20		0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	2.9	2
218	20	126	89	2.1	10	20		0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.4	2
218	20	126	89	2.1	10	20		0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	2	2
218	20	126	89	2.1	10	20		0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.6	2
218	20	126	89	2.1	10	20		0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
218	20	126	89	2.1	10	20		0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2	2
218	20	126	89	2.1	10	20		0.87	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white		
218	20	126	89	2.1	10	20		0.87	2	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
218	20	126	89	2.1	10	20		0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.4	3
218	20	126	89	2.1	10	20		0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	6	2
218	20	126	89	2.1	10	20		0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	4.6	3
218	20	126	89	2.1	10	20		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12	5
218	20	126	89	2.1	10	20		0.87	1	6		1		Point, rhyolite		
218	20	126	89	2.1	10	20		0.87	1			10	7	Soapstone, gray		
219	20	126	89	2.2	20	30		0.87	3	8		2	0	FCR, quartz, red		
219	20	126	89	2.2	20	30		0.87	2	8		2	3	FCR, quartz, tan		
219	20	126	89	2.2	20	30		0.87	1	1	2	4	16	Flake, primary medial frag, chert, purplish black		
219	20	126	89	2.2	20	30		0.87	1	1	3	4	16	Flake, primary terminal frag, chert, purplish black		
219	20	126	89	2.2	20	30		0.87	1	1.1	4	4	16	Flake, primary unsp, whole, chert, purplish black	7.8	3
219	20	126	89	2.2	20	30		0.87	1	2.2	4	4	16	Flake, secondary bif thin, whole, chert, purplish black	3.8	2
219	20	126	89	2.2	20	30		0.87	3	2	3	4	16	Flake, secondary terminal frag, chert, purplish black		
219	20	126	89	2.2	20	30		0.87	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	7.5	3
219	20	126	89	2.2	20	30		0.87	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	4.8	2
219	20	126	89	2.2	20	30		0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	2.5	3

219	20	126	89	2.2	20	30	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.8	2
219	20	126	89	2.2	20	30	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.2	2
219	20	126	89	2.2	20	30	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.5	2
219	20	126	89	2.2	20	30	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.4	3
219	20	126	89	2.2	20	30	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	4	2
219	20	126	89	2.2	20	30	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.1	2
219	20	126	89	2.2	20	30	0.87	1	3.2	4	2	3	Flake, tertiary bif thin, whole, quartz, tan	6.5	2
219	20	126	89	2.2	20	30	0.87	1	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
219	20	126	89	2.2	20	30	0.87	8	3	3	4	16	Flake, tertiary terminal frag, chert, purplish black		
219	20	126	89	2.2	20	30	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.1	3
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	7.1	3
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	3.9	3
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	3.6	3
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.8	3
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	9.7	4
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.6	2
219	20	126	89	2.2	20	30	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	7.5	2
219	20	126	89	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.1	5
219	20	126	89	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
219	20	126	89	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	2
219	20	126	89	2.2	20	30	0.87	3	9		5		Sherdlet, sand temper, eroded surface		
220	20	126	89	2.3	30	40	0.87	2	8		2	0	FCR, quartz, red		
220	20	126	89	2.3	30	40	0.87	1	8		2	3	FCR, quartz, tan		
220	20	126	89	2.3	30	40	0.87	1	1	5	1	7	Flake, primary shatter, rhyolite, gray		
220	20	126	89	2.3	30	40	0.87	1	1.1	4	4	16	Flake, primary unsp, whole, chert, purplish black	8.7	3
220	20	126	89	2.3	30	40	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.3	2
220	20	126	89	2.3	30	40	0.87	1	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
220	20	126	89	2.3	30	40	0.87	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
220	20	126	89	2.3	30	40	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	10.2	3
220	20	126	89	2.3	30	40	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5	3
220	20	126	89	2.3	30	40	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.1	3
220	20	126	89	2.3	30	40	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
221	20	126	89	2.4	40	50	0.87	1	8		3	3	FCR, quartzite, tan		
221	20	126	89	2.4	40	50	0.87	1	1	3	4	16	Flake, primary terminal frag, chert, purplish black		
221	20	126	89	2.4	40	50	0.87	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.1	3
221	20	126	89	2.4	40	50	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
221	20	126	89	2.4	40	50	0.87	1	25			7	Raw material, mica, silver		
222	20	126	89	2.5	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.3	4
222	20	126	89	2.5	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
223	20	126	89	3.1	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.2	3
223	20	126	89	3.1	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	3
224	20	126	89	3.2	70	80	0.87	2	8		2	0	FCR, quartz, red		
224	20	126	89	3.2	70	80	0.87	1	8		2	3	FCR, quartz, tan		
224	20	126	89	3.2	70	80	0.87	1	8		3	0	FCR, quartzite, red		
224	20	126	89	3.2	70	80	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	18.8	5
224	20	126	89	3.2	70	80	0.87	3	2	5	1	9	Flake, secondary shatter, rhyolite, green		
224	20	126	89	3.2	70	80	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	2
224	20	126	89	3.2	70	80	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	2
224	20	126	89	3.2	70	80	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.2	2
224	20	126	89	3.2	70	80	0.87	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
224	20	126	89	3.2	70	80	0.87	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
224	20	126	89	3.2	70	80	0.87	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
224	20	126	89	3.2	70	80	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
224	20	126	89	3.2	70	80	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	13.5	4
224	20	126	89	3.2	70	80	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	8.6	2
224	20	126	89	3.2	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.5	5
224	20	126	89	3.2	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	5
224	20	126	89	3.2	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	5
224	20	126	89	3.2	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4

224	20	126	89	3.2	70	80		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
224	20	126	89	3.2	70	80		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	4
224	20	126	89	3.2	70	80		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	4
224	20	126	89	3.2	70	80		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	3
224	20	126	89	3.2	70	80		0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.4	3
224	20	126	89	3.2	70	80		0.87	1	6		1		Point, rhyolite		
224	20	126	89	3.2	70	80		0.87	1	25		2	2	Raw material, quartz, white		
225	20	126	89	?	80	85		0.87	2	8		2	0	FCR, quartz, red		
225	20	126	89	?	80	85		0.87	1	2	6	1	0	Flake, secondary chunk, rhyolite, red/lt. gray		
225	20	126	89	?	80	85		0.87	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
225	20	126	89	?	80	85		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.9	5
225	20	126	89	?	80	85		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.8	5
225	20	126	89	?	80	85		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	3
225	20	126	89	?	80	85		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
225	20	126	89	?	80	85		0.87	5	25		14	0	Raw material, conglomerate, pink		
225	20	126	89	?	80	85		0.87	1	25		1	9	Raw material, rhyolite, green		
225	20	126	89	?	80	85		0.87	2	25		1	3	Raw material, rhyolite, tan		
226	20	126	89		80	80	3	0.87	3	8		2	0	FCR, quartz, red		
226	20	126	89		80	80	3	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
226	20	126	89		80	80	3	0.87	1	25		1	0	Raw material, rhyolite, red/lt. gray		
226	20	126	89		80	80	3	0.87	1	25			7	Raw material, unidentified, gray		
227	22	126	90	1.2	10	13		0.88	1	3.1	4	4	7	Flake, tertiary unsp, whole, chert, gray	5.9	3
228	22	126	90	2.1	13	23		0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.8	2
228	22	126	90	2.1	13	23		0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.3	3
228	22	126	90	2.1	13	23		0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.1	2
228	22	126	90	2.1	13	23		0.88	1	2	3	4	16	Flake, secondary terminal frag, chert, purplish black		
228	22	126	90	2.1	13	23		0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12	4
228	22	126	90	2.1	13	23		0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10	3
228	22	126	90	2.1	13	23		0.88	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	6.3	3
228	22	126	90	2.1	13	23		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	4
228	22	126	90	2.1	13	23		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.7	2
228	22	126	90	2.1	13	23		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	2
228	22	126	90	2.1	13	23		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
228	22	126	90	2.1	13	23		0.88	1	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
228	22	126	90	2.1	13	23		0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
228	22	126	90	2.1	13	23		0.88	8	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	9.4	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	4.2	2
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	4.8	2
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.8	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14	3
228	22	126	90	2.1	13	23		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
228	22	126	90	2.1	13	23		0.88	2	25		1	20	Raw material, rhyolite, gray coarse		
228	22	126	90	2.1	13	23		0.88	1	4	5	4	16	Utilized flake, tertiary shatter, chert, purplish black		
228	22	126	90	2.1	13	23		0.88	1	4	5	4	16	Utilized flake, tertiary shatter, chert, purplish black		
229	22	126	90	2.2	23	33		0.88	1	8		2	3	FCR, quartz, tan		
229	22	126	90	2.2	23	33		0.88	1	1	3	4	16	Flake, primary terminal frag, chert, purplish black		
229	22	126	90	2.2	23	33		0.88	2	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
229	22	126	90	2.2	23	33		0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	6.5	5
229	22	126	90	2.2	23	33		0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	5.2	3
229	22	126	90	2.2	23	33		0.88	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	4.3	3
229	22	126	90	2.2	23	33		0.88	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	4.4	2
229	22	126	90	2.2	23	33		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.4	3
229	22	126	90	2.2	23	33		0.88	3	3	2	1	4	Flake, tertiary medial frag, ryholite, brown		
229	22	126	90	2.2	23	33		0.88	1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		

229	22	126	90	2.2	23	33	0.88	3	3	3	4	16	Flake, tertiary terminal frag, chert, purplish black		
229	22	126	90	2.2	23	33	0.88	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
229	22	126	90	2.2	23	33	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.6	5
229	22	126	90	2.2	23	33	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.5	3
229	22	126	90	2.2	23	33	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.3	3
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	3.2	3
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	3.2	2
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.6	5
229	22	126	90	2.2	23	33	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	12.2	4
230	22	126	90	2.3	33	43	0.88	1	8		2	2	FCR(possible), quartz, white/pink		
230	22	126	90	2.3	33	43	0.88	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	22.9	5
230	22	126	90	2.3	33	43	0.88	1	2.2	4	4	16	Flake, secondary bif thin, whole, chert, purplish black	6.7	2
231	22	126	90	2.4	43	53	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	2
231	22	126	90	2.4	43	53	0.88	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
231	22	126	90	2.4	43	53	0.88	2	25		1	6	Raw material		
232	22	126	90	2.5	53	60	0.88	1	8		2	0	FCR(possible), quartz, pink		
232	22	126	90	2.5	53	60	0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10	4
232	22	126	90	2.5	53	60	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
232	22	126	90	2.5	53	60	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
232	22	126	90	2.5	53	60	0.88	1	25		1	6	Raw material, rhyolite, lt. gray		
233	22	126	90	3.1	60	70	0.88	2	8		2	0	FCR, quartz, red		
233	22	126	90	3.1	60	70	0.88	1	1	2	1	0	Flake, primary medial frag, rhyolite, reddish gray		
233	22	126	90	3.1	60	70	0.88	1	1.1	4	1	0	Flake, primary unsp, whole, rhyolite, reddish gray	22.9	5
233	22	126	90	3.1	60	70	0.88	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	2.4	2
233	22	126	90	3.1	60	70	0.88	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
233	22	126	90	3.1	60	70	0.88	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11.2	4
233	22	126	90	3.1	60	70	0.88	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.3	4
233	22	126	90	3.1	60	70	0.88	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5	4
233	22	126	90	3.1	60	70	0.88	1	25		1	4	Raw material, rhyolite, brown		
234	22	126	90	3.2	70	80	0.88	1	8		14	0	FCR (possible), conglomerate, pink		
234	22	126	90	3.2	70	80	0.88	6	8		2	0	FCR, quartz, red		
234	22	126	90	3.2	70	80	0.88	1	1	6	1	0	Flake, primary chunk, rhyolite, reddish gray		
234	22	126	90	3.2	70	80	0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	40.9	5
234	22	126	90	3.2	70	80	0.88	1	2	6	1	0	Flake, secondary chunk, rhyolite, reddish gray		
234	22	126	90	3.2	70	80	0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	36.6	5
234	22	126	90	3.2	70	80	0.88	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
234	22	126	90	3.2	70	80	0.88	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
234	22	126	90	3.2	70	80	0.88	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
234	22	126	90	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	4
234	22	126	90	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	2
234	22	126	90	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
234	22	126	90	3.2	70	80	0.88	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.3	4
234	22	126	90	3.2	70	80	0.88	1	25		14	0	Raw material, conglomerate, pink		
234	22	126	90	3.2	70	80	0.88	1	25		1	6	Raw material, rhyolite, lt. gray		
234	22	126	90	3.2	70	80	0.88	1	25		1	18	Raw material, rhyolite, reddish brown		
234	22	126	90	3.2	70	80	0.88	1			10	9	Soapstone, green		
235	22	126	90	4.1	80	85	0.88	1	8		2	0	FCR, quartz, pink		
235	22	126	90	4.1	80	85	0.88	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
235	22	126	90	4.1	80	85	0.88	1	1	5	1	18	Flake, primary shatter, rhyolite, reddish brown		
235	22	126	90	4.1	80	85	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
235	22	126	90	4.1	80	85	0.88	1	25		1	4	Raw material, rhyolite, brown		
235	22	126	90	4.1	80	85	0.88	1	25		2	3	River cobble, quartz, tan		
236	22	126	90		80	80	0.88	1	8		2	2	FCR, quartz, white/red		
236	22	126	90		80	80	0.88	3	25		14	0	Raw material, conglomerate, pink		
237	21	126	93	1.2	10	20	0.9	1	1.1	4	1	4	Flake, primary unsp, whole, rhyolite, brown	11.5	5
237	21	126	93	1.2	10	20	0.9	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.4	5
237	21	126	93	1.2	10	20	0.9	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
237	21	126	93	1.2	10	20	0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	10.1	3
237	21	126	93	1.2	10	20	0.9	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	3.8	2
237	21	126	93	1.2	10	20	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	3
237	21	126	93	1.2	10	20	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3

237	21	126	93	1.2	10	20	0.9	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
238	21	126	93	1.3	20	30	0.9	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	19.4	5
238	21	126	93	1.3	20	30	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.2	5
238	21	126	93	1.3	20	30	0.9	1	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
238	21	126	93	1.3	20	30	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	3
238	21	126	93	1.3	20	30	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.5	2
238	21	126	93	1.3	20	30	0.9	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6	2
238	21	126	93	1.3	20	30	0.9	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
238	21	126	93	1.3	20	30	0.9	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
238	21	126	93	1.3	20	30	0.9	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
238	21	126	93	1.3	20	30	0.9	1	3.1	1	4	11	Flake, tertiary unsp, platform frag, chert, purplish black		
238	21	126	93	1.3	20	30	0.9	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
238	21	126	93	1.3	20	30	0.9	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan	10.6	4
238	21	126	93	1.3	20	30	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
238	21	126	93	1.3	20	30	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	2
238	21	126	93	1.3	20	30	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.8	2
238	21	126	93	1.3	20	30	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	2
238	21	126	93	1.3	20	30	0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	14.7	4
238	21	126	93	1.3	20	30	0.9	2				7	Graphite(?), gray		
239	21	126	93	2.1	30	40	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	3
239	21	126	93	2.1	30	40	0.9	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
239	21	126	93	2.1	30	40	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
239	21	126	93	2.1	30	40	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
240	21	126	93	2.2	40	50	0.9	1	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
240	21	126	93	2.2	40	50	0.9	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
240	21	126	93	2.2	40	50	0.9	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	3	2
240	21	126	93	2.2	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
240	21	126	93	2.2	40	50	0.9	1	25		2	2	River cobble, quartz, white		
241	21	126	93	2.3	50	60	0.9	1	8		2	0	FCR, quartz, red/white		
241	21	126	93	2.3	50	60	0.9	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
241	21	126	93	2.3	50	60	0.9	1	3	5	1	18	Flake, tertiary shatter, rhyolite, reddish brown		
241	21	126	93	2.3	50	60	0.9	1	25		1	6	Raw material, rhyolite, lt. gray		
242	21	126	93	3.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	5
242	21	126	93	3.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	16.7	4
242	21	126	93	3.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6	5
242	21	126	93	3.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	2
242	21	126	93	3.1	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.8	4
242	21	126	93	3.1	60	70	0.9	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
242	21	126	93	3.1	60	70	0.9	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	5
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	5
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	4
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	2
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	4
242	21	126	93	3.1	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	2
243	21	126	93	3.2	70	80	0.9	9	8		2	2	FCR, quartz, white/red/brown		
243	21	126	93	3.2	70	80	0.9	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
243	21	126	93	3.2	70	80	0.9	1	1	3	3	2	Flake, primary terminal frag, quartzite, white		
243	21	126	93	3.2	70	80	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
243	21	126	93	3.2	70	80	0.9	1	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
243	21	126	93	3.2	70	80	0.9	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
243	21	126	93	3.2	70	80	0.9	1	3	3	1	17	Flake, tertiary terminal frag, rhyolite, bluish gray		
243	21	126	93	3.2	70	80	0.9	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
243	21	126	93	3.2	70	80	0.9	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
243	21	126	93	3.2	70	80	0.9	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
243	21	126	93	3.2	70	80	0.9	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan	7.2	2
243	21	126	93	3.2	70	80	0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	7.2	3
243	21	126	93	3.2	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
243	21	126	93	3.2	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	4
243	21	126	93	3.2	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3

243	21	126	93	3.2	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
243	21	126	93	3.2	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
243	21	126	93	3.2	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
243	21	126	93	3.2	70	80		0.9	1	6		1		Point, rhyolite		
243	21	126	93	3.2	70	80		0.9	3	25		14	0	Raw material, conglomerate, pink		
243	21	126	93	3.2	70	80		0.9	1	25		1	6	Raw material, rhyolite(?), lt. gray		
244	21	126	93	3.3	80	90		0.9	9	8		2	0	FCR, quartz, red		
244	21	126	93	3.3	80	90		0.9	1	1	6	1	0	Flake, primary chunk, rhyolite, reddish gray		
244	21	126	93	3.3	80	90		0.9	2	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray		
244	21	126	93	3.3	80	90		0.9	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
244	21	126	93	3.3	80	90		0.9	1	3	2	1	0	Flake, tertiary medial frag, rhyolite, reddish gray		
244	21	126	93	3.3	80	90		0.9	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
244	21	126	93	3.3	80	90		0.9	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
244	21	126	93	3.3	80	90		0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	9.8	4
244	21	126	93	3.3	80	90		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	4
244	21	126	93	3.3	80	90		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
244	21	126	93	3.3	80	90		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.7	4
244	21	126	93	3.3	80	90		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
244	21	126	93	3.3	80	90		0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.5	4
244	21	126	93	3.3	80	90		0.9	1	4	6	1	8	Utilized flake, tertiary chunk, rhyolite, dk. gray		
244	21	126	93	3.3	80	90		0.9	1	4	6	1	8	Utilized flake, tertiary chunk, rhyolite, dk. gray		
245	21	126	93		78	78	pp 13	0.9	1	25		14	0	Raw material, conglomerate, pink		
246	21	126	93		78	78	pp 14	0.9	1	22		1	9	Pitted stone, rhyolite, green, some grinding on one face		
246	21	126	93		78	78	pp 14	0.9	1	22		1	9	Pitted stone, rhyolite, green, some grinding on one face		
247	21	126	93	?	?	?		0.9	1				0	Ochre, orange		
248	19	126	94	1.2	10	20		0.88	1	8		2	0	FCR, quartz, red		
248	19	126	94	1.2	10	20		0.88	1	2.1	4	1	11	Flake, secondary unsp, whole, rhyolite, black	9.8	3
248	19	126	94	1.2	10	20		0.88	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	5.9	3
248	19	126	94	1.2	10	20		0.88	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	2.1	2
248	19	126	94	1.2	10	20		0.88	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
248	19	126	94	1.2	10	20		0.88	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	11.2	4
248	19	126	94	1.2	10	20		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	3
248	19	126	94	1.2	10	20		0.88	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	3.2	2
248	19	126	94	1.2	10	20		0.88	1					Historic, uid metal		
248	**19**	**126**	**94**	**1.2**	**10**	**20**		**0.88**	**1**	**6**	**4**	**1**	**9**	**Point, Uwharrie, rhyolite, green**		
248	19	126	94	1.2	10	20		0.88	1	25		1	20	Raw material, rhyolite, gray coarse, heavliy oxidized		
249	19	126	94	1.3	20	30		0.88	2	8		2	0	FCR, quartz, red/white		
249	19	126	94	1.3	20	30		0.88	1	1.1	4	4	8	Flake, primary unsp, whole, chert, dk. gray/green	4.3	3
249	19	126	94	1.3	20	30		0.88	1	1.1	4	1	0	Flake, primary unsp, whole, rhyolite, reddish gray	16.9	5
249	19	126	94	1.3	20	30		0.88	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	4.4	3
249	19	126	94	1.3	20	30		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	3
249	19	126	94	1.3	20	30		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.7	2
249	19	126	94	1.3	20	30		0.88	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
249	19	126	94	1.3	20	30		0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
249	19	126	94	1.3	20	30		0.88	1	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
249	19	126	94	1.3	20	30		0.88	1	3	3	4	11	Flake, tertiary terminal frag, chert, purplish black		
249	19	126	94	1.3	20	30		0.88	4	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
249	19	126	94	1.3	20	30		0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
249	19	126	94	1.3	20	30		0.88	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
249	19	126	94	1.3	20	30		0.88	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
249	19	126	94	1.3	20	30		0.88	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.7	3
249	19	126	94	1.3	20	30		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	3
249	19	126	94	1.3	20	30		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
249	**19**	**126**	**94**	**1.3**	**20**	**30**		**0.88**	**1**	**6**	**3**	**1**	**4**	**Point, tip frag, rhyolite, brown**		
249	19	126	94	1.3	20	30		0.88	1	25		2	3	River cobble, quartz, tan		
250	19	126	94	2.1	30	40		0.88	1	1.1	4	4	11	Flake, primary unsp, whole, chert, black	6.2	2
250	19	126	94	2.1	30	40		0.88	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
250	19	126	94	2.1	30	40		0.88	1	3.1	4	4	11	Flake, tertiary unsp, whole, chert, black	3.3	3
250	19	126	94	2.1	30	40		0.88	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. gray	7.1	2
250	19	126	94	2.1	30	40		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
251	19	126	94	2.3	50	60		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	3
251	19	126	94	2.3	50	60		0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		

252	19	126	94	3.1	60	70	0.88	1	2.2	4	1	6	Flake, secondary bif thin, whole, rhyolite, lt. gray	4.3	3
252	19	126	94	3.1	60	70	0.88	1	2.2	4	1	6	Flake, secondary bif thin, whole, rhyolite, lt. gray	4.3	3
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	3
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	3
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	3
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	3
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.3	2
252	19	126	94	3.1	60	70	0.88	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5.3	2
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	4
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	4
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	4
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	4
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
252	19	126	94	3.1	60	70	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
253	19	126	94	3.2	70	80	0.88	5	8		2	0	FCR, quartz, red		
253	19	126	94	3.2	70	80	0.88	2	1	6	1	0	Flake, primary chunk, rhyolite, red/gray		
253	19	126	94	3.2	70	80	0.88	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
253	19	126	94	3.2	70	80	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.4	4
253	19	126	94	3.2	70	80	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	3
253	19	126	94	3.2	70	80	0.88	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	9.3	3
253	19	126	94	3.2	70	80	0.88	2	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
253	19	126	94	3.2	70	80	0.88	2	3	2	1	4	Flake, tertiary medial frag, rhyolite, brown		
253	19	126	94	3.2	70	80	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
253	19	126	94	3.2	70	80	0.88	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
253	19	126	94	3.2	70	80	0.88	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown/gray	5.2	3
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24	5
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11	5
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	5
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	5
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	4
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	4
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.2	4
253	19	126	94	3.2	70	80	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.6	3
253	19	126	94	3.2	70	80	0.88	1				0	Ochre, orange		
253	**19**	**126**	**94**	**3.2**	**70**	**80**	**0.88**	**1**	**6**	**1**	**1**	**9**	**Point, basal frag, rhyolite, green**		
253	19	126	94	3.2	70	80	0.88	1	25		1	0	Raw material, rhyolite, orange/white		
254	19	126	94	3.3	80	90	0.88	2	8		2	0	FCR, quartz, red		
254	19	126	94	3.3	80	90	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.3	2
254	19	126	94	3.3	80	90	0.88	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
254	19	126	94	3.3	80	90	0.88	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
254	19	126	94	3.3	80	90	0.88	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
254	19	126	94	3.3	80	90	0.88	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
254	19	126	94	3.3	80	90	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20	5
254	19	126	94	3.3	80	90	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	3
254	19	126	94	3.3	80	90	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	4
254	19	126	94	3.3	80	90	0.88	1	25		1	0	Raw material, rhyolite, red/gray		
255	15	126	95	1.1	0	10	0.89	1	1	5	2	2	Flake, primary shatter, quartz, white		
256	15	126	95	1.3	20	30	0.89	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
256	15	126	95	1.3	20	30	0.89	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	2.7	2
256	15	126	95	1.3	20	30	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	3
256	15	126	95	1.3	20	30	0.89	1	3	3	4	8	Flake, tertiary terminal frag, chert, dk. gray		
256	15	126	95	1.3	20	30	0.89	1	3.1	1	4	8	Flake, tertiary unsp, platform frag, chert, dk. gray		
256	15	126	95	1.3				1	6		1		Point, rhyolite		
257	15	126	95	2.1	30	40	0.89	1	3	6	1	4	Flake, tertiary chunk, rhyolite, brown		
258	15	126	95	2.2	40	50	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	3
259	15	126	95	2.3	50	58	0.89	1	3	5	2	2	Flake, tertiary shatter, quartz, white		

259	15	126	95	2.3	50	58	0.89	1	4	5	1	4	Utilized flake (ppk frag??), tertiary shatter, rhyolite, brown	
259	15	126	95	2.3	50	58	0.89	1	4	5	1	4	Utilized flake (ppk frag??), tertiary shatter, rhyolite, brown	
260	15	126	95	3.1	58	66	0.89	3	8		2	2	FCR, quartz, red	
260	15	126	95	3.1	58	66	0.89	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray	
260	15	126	95	3.1	58	66	0.89	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
260	15	126	95	3.1	58	66	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	4
260	15	126	95	3.1	58	66	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	3
260	15	126	95	3.1	58	66	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.8	3
260	15	126	95	3.1	58	66	0.89	1	6		1		Point, rhyolite	
260	15	126	95	3.1	58	66	0.89	1	25		14	0	Raw material, conglomerate, pink	
261	15	126	95	4.1	66	74	0.89	2	8		2	2	FCR(possible), quartz, white/red/gray	
261	15	126	95	4.1	66	74	0.89	1	1	5	1	9	Flake, primary shatter, rhyolite, green	
261	15	126	95	4.1	66	74	0.89	1	2.1	4	4	11	Flake, secondary unsp, whole, chert, black	4.8	2
261	15	126	95	4.1	66	74	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.1	4
261	15	126	95	4.1	66	74	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
261	15	126	95	4.1	66	74	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	6	3
261	15	126	95	4.1	66	74	0.89	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green	
261	15	126	95	4.1	66	74	0.89	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown	
261	15	126	95	4.1	66	74	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
261	15	126	95	4.1	66	74	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.4	4
261	15	126	95	4.1	66	74	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8	4
261	15	126	95	4.1	66	74	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.4	2
261	15	126	95	4.1	66	74	0.89	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.9	3
261	15	126	95	4.1	66	74	0.89	1	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green	
261	15	126	95	4.1	66	74	0.89	1	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green	
262	15	126	95	5.1	74	79	0.89	2	8		2	2	FCR(possible), quartz, white	
262	15	126	95	5.1	74	79	0.89	1	3	6	2	2	Flake, tertiary chunk, quartz, white	
262	15	126	95	5.1	74	79	0.89	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
262	15	126	95	5.1	74	79	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
262	15	126	95	5.1	74	79	0.89	1	6		1		Point, rhyolite	
262	15	126	96	5.1	74	79	0.89	1	6		1		Point, rhyolite	
262	**15**	**126**	**95**	**5.1**	**74**	**79**	**0.89**	**1**	**6**	**3**	**1**	**9**	**Point, tip frag, rhyolite, green**	
262	15	126	95	5.1	74	79	0.89	1	25		14	0	Raw material, conglomerate, pink	
262	15	126	95	5.1	74	79	0.89	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized	
262	15	126	95	5.1	74	79	0.89	2	25		1	0	Raw material, rhyolite, red/gray	
263	17	126	96	1.2	10	20	0.89	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green	
263	17	126	96	1.2	10	20	0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green	
263	17	126	96	1.2	10	20	0.89	1	3	5	2	1	Flake, tertiary shatter, quartz, crystal	
263	17	126	96	1.2	10	20	0.89	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. gray	3.7	2
263	17	126	96	1.2	10	20	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	3
263	17	126	96	1.2	10	20	0.89	1	0		3	4	Hammerstone, quartzite, brown	
263	17	126	96	1.2	10	20	0.89	1	0		3	4	Hammerstone, quartzite, brown	
263	17	126	96	1.2	10	20	0.89	1	25		1	8	Raw material, rhyolite, dk. gray/red	
264	17	126	96	1.3	20	30	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.1	3
264	17	126	96	1.3	20	30	0.89	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green	
264	17	126	96	1.3	20	30	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	3
264	17	126	96	1.3	20	30	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
264	17	126	96	1.3	20	30	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	2
265	17	126	96	2.1	30	40	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
266	17	126	96	2.2	40	50	0.89	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray	
267	17	126	96	2.3	50	55	0.89	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
267	17	126	96	2.3	50	55	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	2
268	17	126	96	3.1	55	65	0.89	2	8		2	0	FCR, quartz, red/white	
268	17	126	96	3.1	55	65	0.89	1	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray	
268	17	126	96	3.1	55	65	0.89	1	3	5	1	4	Flake, tertiary shatter, rhyolite, lt. brown/green	
268	17	126	96	3.1	55	65	0.89	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
268	17	126	96	3.1	55	65	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.3	3
268	17	126	96	3.1	55	65	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown/green	7.4	4
269	17	126	96	4.1	65	70	0.89	1	8		2	2	FCR(possible), quartz, white	
269	17	126	96	4.1	65	70	0.89	1	2.1	4	2	0	Flake, secondary unsp, whole, quartz, pink	24.4	5
269	17	126	96	4.1	65	70	0.89	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.4	5
269	17	126	96	4.1	65	70	0.89	1	2.1	4	1	4	Flake, secondary unsp, whole, rhyolite, lt. brown	10.8	4
269	17	126	96	4.1	65	70	0.89	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green	
269	17	126	96	4.1	65	70	0.89	1	3	5	2	7	Flake, tertiary shatter, quartz, gray	

269	17	126	96	4.1	65	70	0.89	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
269	17	126	96	4.1	65	70	0.89	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
269	17	126	96	4.1	65	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	4
269	17	126	96	4.1	65	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
269	17	126	96	4.1	65	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
269	17	126	96	4.1	65	70	0.89	1	25		14	0	Raw material, conglomerate, pink		
269	17	126	96	4.1	65	70	0.89	1	25		1	0	Raw material, rhyolite, red/gray		
270	17	126	96	5.1	70	78	0.89	2	8		2	0	FCR, quartz, red/white		
270	17	126	96	5.1	70	78	0.89	1	8		3	0	FCR, quartzite, red/white		
270	17	126	96	5.1	70	78	0.89	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
270	17	126	96	5.1	70	78	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	5.5	3
270	17	126	96	5.1	70	78	0.89	1	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray		
270	17	126	96	5.1	70	78	0.89	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
270	17	126	96	5.1	70	78	0.89	1	3.1	4	2	7	Flake, tertiary unsp, whole, quartz, gray	14	4
270	17	126	96	5.1	70	78	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	36	5
270	17	126	96	5.1	70	78	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.3	5
270	17	126	96	5.1	70	78	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	4
270	17	126	96	5.1	70	78	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
270	17	126	96	5.1	70	78	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
270	17	126	96	5.1	70	78	0.89	1	25		1	4	Raw material, rhyolite, brown		
270	17	126	96	5.1	70	78	0.89	2	25		1	9	Raw material, rhyolite, green		
271	17	126	96	5.2	78	90	0.89	1	23		23		Carbon, nut frag		
271	17	126	96	5.2	78	90	0.89	1	8		3	0	FCR(possible), quartzite, red		
271	17	126	96	5.2	78	90	0.89	1	8		2	0	FCR, quartz, red		
271	17	126	96	5.2	78	90	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.1	3
271	17	126	96	5.2	78	90	0.89	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	7	4
271	17	126	96	5.2	78	90	0.89	2	0		2	3	Hammerstone/possible Core frag, quartz, tan		
271	17	126	96	5.2	78	90	0.89	2	0		2	3	Hammerstone/possible Core frag, quartz, tan		
271	17	126	96	5.2	78	90	0.89	3	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
271	17	126	96	5.2	78	90	0.89	1	4.1	4	1	9	Utilized flake, tertiary unsp, whole, rhyolite, green	29.1	5
271	17	126	96	5.2	78	90	0.89	1	4.1	4	1	9	Utilized flake, tertiary unsp, whole, rhyolite, green	29.1	5
272	24	126	97	2.1	10	20	0.87	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
272	24	126	97	2.1	10	20	0.87	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
272	24	126	97	2.1	10	20	0.87	2	1	5	1	4	Flake, primary shatter, rhyolite, brown		
272	24	126	97	2.1	10	20	0.87	1	1.1	4	4	11	Flake, primary unsp, whole, chert, black	8	5
272	24	126	97	2.1	10	20	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	6.6	2
272	24	126	97	2.1	10	20	0.87	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
272	24	126	97	2.1	10	20	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.3	4
272	24	126	97	2.1	10	20	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.4	3
272	24	126	97	2.1	10	20	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8	2
272	24	126	97	2.1	10	20	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5	3
272	24	126	97	2.1	10	20	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.9	2
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	4
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.2	4
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	2
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	3
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.1	3
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	2
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	3
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	2
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	3
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	3
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.2	3
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.2	2
272	24	126	97	2.1	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	2
272	24	126	97	2.1	10	20	0.87	9	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
272	24	126	97	2.1	10	20	0.87	1	3	3	4	11	Flake, tertiary terminal frag, chert, black		
272	24	126	97	2.1	10	20	0.87	7	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
272	24	126	97	2.1	10	20	0.87	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	5.1	2
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	4
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	3

272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	4
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
272	24	126	97	2.1	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
272	**24**	**126**	**97**	**2.1**	**10**	**20**	**0.87**	**1**	**6**	**1**	**1**	**9**	**Point, basal frag (one tang), rhyolite, green**		
273	24	126	97	2.2	20	30	0.87	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
273	24	126	97	2.2	20	30	0.87	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
273	24	126	97	2.2	20	30	0.87	1	1.1	4	2	3	Flake, primary unsp, whole, quartz, tan	23.7	5
273	24	126	97	2.2	20	30	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.2	3
273	24	126	97	2.2	20	30	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.4	3
273	24	126	97	2.2	20	30	0.87	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
273	24	126	97	2.2	20	30	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
273	24	126	97	2.2	20	30	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
273	24	126	97	2.2	20	30	0.87	1	3.1	1	1	4	Flake, tertiary unsp, platform frag, rhyolite, lt. brown		
273	24	126	97	2.2	20	30	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.3	4
273	24	126	97	2.2	20	30	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.9	3
273	24	126	97	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	3
273	24	126	97	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
273	24	126	97	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
273	24	126	97	2.2	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
273	**24**	**126**	**97**	**2.2**	**20**	**30**	**0.87**	**1**	**6**	**4**	**1**	**9**	**Point, one tang missing, rhyolite, green**		
273	24	126	97	2.2	20	30	0.87	1	25		1	4	Raw material, rhyolite, lt. brown		
273	24	126	97	2.2	20	30	0.87	1	25		2	0	River cobble, red, possibly heat-altered		
274	24	126	97	2.3	30	40	0.87	1	2.1	4	2	0	Flake, secondary unsp, whole, quartz, red	17.8	5
274	24	126	97	2.3	30	40	0.87	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
274	24	126	97	2.3	30	40	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
274	24	126	97	2.3	30	40	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	5
274	24	126	97	2.3	30	40	0.87	1	25		2	0	Raw material, quartz, pink/white		
275	24	126	97	2.4	40	50	0.87	1	3	3	4	11	Flake, tertiary terminal frag, chert, black		
275	24	126	97	2.4	40	50	0.87	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
275	24	126	97	2.4	40	50	0.87	1	25		2	0	Raw material, quartz, red		
275	24	126	97	2.4	40	50	0.87	1	25		1	7	Raw material, rhyolite, gray/red		
275	24	126	97	2.4	40	50	0.87	1	25		1	0	Raw material, rhyolite, red/lt. gray		
276	24	126	97	3.1	50	60	0.87	2	8		2	0	FCR(possible), quartz, red		
276	24	126	97	3.1	50	60	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	3
276	24	126	97	3.1	50	60	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	3
276	24	126	97	3.1	50	60	0.87	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
276	24	126	97	3.1	50	60	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
276	24	126	97	3.1	50	60	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
276	24	126	97	3.1	50	60	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	7.8	4
276	24	126	97	3.1	50	60	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	6.7	4
276	24	126	97	3.1	50	60	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	12	5
276	24	126	97	3.1	50	60	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	10.3	5
276	24	126	97	3.1	50	60	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	5.7	3
276	24	126	97	3.1	50	60	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.8	4
276	24	126	97	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	4
276	24	126	97	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
276	24	126	97	3.1	50	60	0.87	1	25		1	0	Raw material, rhyolite, red/gray		
277	24	126	97	3.2	60	70	0.87	1	1	6	2	7	Flake, primary chunk, quartz, gray		
277	24	126	97	3.2	60	70	0.87	1	1.1	4	2	3	Flake, primary unsp, whole, quartz, red	10.5	3
277	24	126	97	3.2	60	70	0.87	1	1.1	4	2	0	Flake, primary unsp, whole, quartz, tan	8.4	4
277	24	126	97	3.2	60	70	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	18	5
277	24	126	97	3.2	60	70	0.87	1	2.1	4	2	3	Flake, secondary unsp, whole, quartz, tan	9.7	4
277	24	126	97	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.7	3
277	24	126	97	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.6	2
277	24	126	97	3.2	60	70	0.87	1	3	6	2	7	Flake, tertiary chunk, quartz, gray		
277	24	126	97	3.2	60	70	0.87	2	3	5	2	2	Flake, tertiary shatter, quartz, white		
277	24	126	97	3.2	60	70	0.87	1	3	3	1	17	Flake, tertiary terminal frag, bluish gray		
277	24	126	97	3.2	60	70	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		

277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	9.6	4
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	10.7	5
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.5	3
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.6	5
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15	5
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
277	24	126	97	3.2	60	70	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.8	3
277	24	126	97	3.2	60	70	0.87	1	25		14	0	Raw material, conglomerate, pink		
277	24	126	97	3.2	60	70	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
278	24	126	97	3.3	70	80	0.87	2	1	5	2	3	Flake, primary shatter, quartz, tan		
278	24	126	97	3.3	70	80	0.87	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
278	24	126	97	3.3	70	80	0.87	1	2.1	4	1	0	Flake, secondary unsp, whole, rhyolite, red/gray	21.3	5
278	24	126	97	3.3	70	80	0.87	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
278	24	126	97	3.3	70	80	0.87	1	3	5	2	7	Flake, tertiary shatter, quartz, gray		
278	24	126	97	3.3	70	80	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
278	24	126	97	3.3	70	80	0.87	1	3	3	2	7	Flake, tertiary terminal frag, quartz, gray		
278	24	126	97	3.3	70	80	0.87	1	3.1	4	2	7	Flake, tertiary unsp, whole, quartz, gray	6.3	4
278	24	126	97	3.3	70	80	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
278	24	126	97	3.3	70	80	0.87	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
278	24	126	97	3.3	70	80	0.87	4	25		1	0	Raw material, rhyolite, red/brown/gray		
278	24	126	97	3.3	70	80	0.87	1	25		0	7	Raw material, sandstone, gray		
279	24	126	97	4.1	80	85	0.87	3	8		2	2	FCR, quartz, white/red		
279	24	126	97	4.1	80	85	0.87	1	2	6	2	2	Flake, secondary chunk, quartz, white		
279	24	126	97	4.1	80	85	0.87	2	3	2	2	2	Flake, tertiary medial frag, quartz, white		
279	24	126	97	4.1	80	85	0.87	2	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
279	24	126	97	4.1	80	85	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	11.5	4
279	24	126	97	4.1	80	85	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
279	24	126	97	4.1	80	85	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.6	3
279	24	126	97	4.1	80	85	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	3
279	24	126	97	4.1	80	85	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	2
279	24	126	97	4.1	80	85	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	44.1	5
279	24	126	97	4.1	80	85	0.87	2	25		14	0	Raw material, conglomerate, pink		
279	24	126	97	4.1	80	85	0.87	1	25		1	0	Raw material, rhyolite(?), pink		
279	24	126	97	4.1	80	85	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
279	24	126	97	4.1	80	85	0.87	1	25		1	6	Raw material, rhyolite, lt. gray		
279	24	126	97	4.1	80	85	0.87	1	25		1	18	Raw material, rhyolite, reddish brown		
279	24	126	97	4.1	80	85	0.87	1	25			8	Raw material, unidentified, dk. gray		
279	24	126	97	4.1	80	85	0.87	1	4	3	1	9	Utilized flake, tertiary terminal frag, rhyolite, green		
279	24	126	97	4.1	80	85	0.87	1	4	3	1	9	Utilized flake, tertiary terminal frag, rhyolite, green		
280	27	126	98	2.1	10	20	0.88	1	8		2	0	FCR, quartz, red		
280	27	126	98	2.1	10	20	0.88	1	1	2	4	9	Flake, primary medial frag, chert, dk. green		
280	27	126	98	2.1	10	20	0.88	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
280	27	126	98	2.1	10	20	0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.8	4
280	27	126	98	2.1	10	20	0.88	1	2.1	4	4	9	Flake, secondary unsp, whole, chert, dk. green	6	3
280	27	126	98	2.1	10	20	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.3	2
280	27	126	98	2.1	10	20	0.88	1	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
280	27	126	98	2.1	10	20	0.88	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
280	27	126	98	2.1	10	20	0.88	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
280	27	126	98	2.1	10	20	0.88	1	3	3	4	4	Flake, tertiary terminal frag, chert, brown		
280	27	126	98	2.1	10	20	0.88	1	3	3	4	9	Flake, tertiary terminal frag, chert, dk. green		
280	27	126	98	2.1	10	20	0.88	1	3	3	4	16	Flake, tertiary terminal frag, chert, purplish black		
280	27	126	98	2.1	10	20	0.88	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
280	27	126	98	2.1	10	20	0.88	2	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
280	27	126	98	2.1	10	20	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	5.9	4
280	27	126	98	2.1	10	20	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	4.6	3
280	27	126	98	2.1	10	20	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	11	4
280	27	126	98	2.1	10	20	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	5.9	4
280	27	126	98	2.1	10	20	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.6	2
280	27	126	98	2.1	10	20	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	9.4	4
280	27	126	98	2.1	10	20	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	13.3	5

280	27	126	98	2.1	10	20	0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.1	3
280	27	126	98	2.1	10	20	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
280	27	126	98	2.1	10	20	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	3
280	27	126	98	2.1	10	20	0.88	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.5	3
280	27	126	98	2.1	10	20	0.88	1	25		2	2	Raw material, quartz, white		
280	27	126	98	2.1	10	20	0.88	1	25			4	Raw material, unidentified, brown		
281	27	126	98	2.2	20	30	0.88	1	23		23		Carbon, <0.1g		
281	27	126	98	2.2	20	30	0.88	1	1	3	4	9	Flake, primary terminal frag, chert, dk. green		
281	27	126	98	2.2	20	30	0.88	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.6	4
281	27	126	98	2.2	20	30	0.88	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
281	27	126	98	2.2	20	30	0.88	1	2.1	4	4	9	Flake, secondary unsp, whole, chert, dk. green	6.7	4
281	27	126	98	2.2	20	30	0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	9.8	3
281	27	126	98	2.2	20	30	0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	5.8	3
281	27	126	98	2.2	20	30	0.88	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, brown	4.1	3
281	27	126	98	2.2	20	30	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	2
281	27	126	98	2.2	20	30	0.88	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
281	27	126	98	2.2	20	30	0.88	2	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
281	27	126	98	2.2	20	30	0.88	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
281	27	126	98	2.2	20	30	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
281	27	126	98	2.2	20	30	0.88	1	3	5	1	4	Flake, tertiary shatter, rhyolite, lt. brown		
281	27	126	98	2.2	20	30	0.88	2	3	3	4	9	Flake, tertiary terminal frag, chert, dk. green		
281	27	126	98	2.2	20	30	0.88	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
281	27	126	98	2.2	20	30	0.88	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
281	27	126	98	2.2	20	30	0.88	6	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
281	27	126	98	2.2	20	30	0.88	2	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
281	27	126	98	2.2	20	30	0.88	1	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
281	27	126	98	2.2	20	30	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	5.3	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	8.3	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	3.7	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	5.6	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	3.8	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	4.2	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	8.1	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	5.4	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.4	4
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.1	4
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	4
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	2
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	3
281	27	126	98	2.2	20	30	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	2
281	27	126	98	2.2	20	30	0.88	1				7	Graphite, gray		
281	27	126	98	2.2	20	30	0.88	3	25		2	4	Raw material, quartz, brown/gray		
281	27	126	98	2.2	20	30	0.88	1	25		1	4	Raw material, rhyolite, lt. brown		
281	27	126	98	2.2	20	30	0.88	1	4	3	1	4	Utilized flake, tertiary terminal frag, rhyolite, brown		
281	27	126	98	2.2	20	30	0.88	1	4	3	1	4	Utilized flake, tertiary terminal frag, rhyolite, brown		
282	27	126	98	2.3	30	40	0.88	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
282	27	126	98	2.3	30	40	0.88	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
282	27	126	98	2.3	30	40	0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	6.9	3

282	27	126	98	2.3	30	40	0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	7.3	2
282	27	126	98	2.3	30	40	0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8	3
282	27	126	98	2.3	30	40	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
282	27	126	98	2.3	30	40	0.88	2	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
282	27	126	98	2.3	30	40	0.88	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, brown		
282	27	126	98	2.3	30	40	0.88	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
282	27	126	98	2.3	30	40	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	8.9	3
282	27	126	98	2.3	30	40	0.88	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	3.8	2
282	27	126	98	2.3	30	40	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.8	4
282	27	126	98	2.3	30	40	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
282	27	126	98	2.3	30	40	0.88	1	6		1		Point, rhyolite		
282	27	126	98	2.3	30	40	0.88	1	25		2	4	Raw material, quartz, brown		
282	27	126	98	2.3	30	40	0.88	2	25		1	4	Raw material, rhyolite, brown		
283	27	126	98	2.4	40	50	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.9	3
284	27	126	98	2.5	50	57	0.88	1	3.1	1	2	2	Flake, tertiary unsp, platform frag, quartz, white		
284	27	126	98	2.5	50	57	0.88	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.8	5
285	27	126	98	3.1	57	67	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
285	27	126	98	3.1	57	67	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
285	27	126	98	3.1	57	67	0.88	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
285	27	126	98	3.1	57	67	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.2	2
285	27	126	98	3.1	57	67	0.88	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	8.8	3
285	27	126	98	3.1	57	67	0.88	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.2	3
285	27	126	98	3.1	57	67	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	5
285	27	126	98	3.1	57	67	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	3
285	27	126	98	3.1	57	67	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	2
285	27	126	98	3.1	57	67	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
285	27	126	98	3.1	57	67	0.88	1	25			8	Raw material, unidentified, dk. gray/red		
286	**27**	**126**	**98**	**3.2**	**67**	**77**	**0.88**	**1**	**6**	**4**	**1**	**9**	**Biface (point blank with base completed), rhyolite, green**		
286	27	126	98	3.2	67	77	0.88	3	8		2	0	FCR, quartz, red/white		
286	27	126	98	3.2	67	77	0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	29.7	5
286	27	126	98	3.2	67	77	0.88	1	3	5	2	7	Flake, tertiary shatter, quartz, gray		
286	27	126	98	3.2	67	77	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
286	27	126	98	3.2	67	77	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
286	27	126	98	3.2	67	77	0.88	4	25		14	2	Raw material, conglomerate, white/pink		
286	27	126	98	3.2	67	77	0.88	3	25		2	2	Raw material, quartz, white		
286	27	126	98	3.2	67	77	0.88	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
286	27	126	98	3.2	67	77	0.88	2	25		1	6	Raw material, rhyolite, lt. gray/red		
286	27	126	98	3.2	67	77	0.88	2	25			11	Raw material, unidentified, black/red		
287	27	126	98	4.1	77	82	0.88	1	8		0	2	FCR(possible), sandstone, white/red		
287	27	126	98	4.1	77	82	0.88	1	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray/brown		
287	27	126	98	4.1	77	82	0.88	1	2.1	4	1	0	Flake, secondary unsp, whole, quartz, red/white		
287	27	126	98	4.1	77	82	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.2	4
287	27	126	98	4.1	77	82	0.88	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, brown		
287	27	126	98	4.1	77	82	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
287	27	126	98	4.1	77	82	0.88	1	3	5	2	2	Flake, tertiary shatter, quartz, gray		
287	27	126	98	4.1	77	82	0.88	3	3	5	2	0	Flake, tertiary shatter, quartz, red		
287	27	126	98	4.1	77	82	0.88	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
287	27	126	98	4.1	77	82	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
287	27	126	98	4.1	77	82	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
287	27	126	98	4.1	77	82	0.88	1	21		0	0	Hammerstone/nutting stone, sandstone, red		
287	27	126	98	4.1	77	82	0.88	1	21		0	0	Hammerstone/nutting stone, sandstone, red		
287	27	126	98	4.1	77	82	0.88	2	25		14	4	Raw material, conglomerate, brown		
287	27	126	98	4.1	77	82	0.88	1	25		2	2	Raw material, quartz, white/red		
287	27	126	98	4.1	77	82	0.88	3	25		1	9	Raw material, rhyolite(?), green		
287	27	126	98	4.1	77	82	0.88	2	25		1	0	Raw material, rhyolite, red/gray		
288	23	122	95	4.3	110	120	0.49	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.9	2
288	23	122	95	4.3	110	120	0.49	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4	2
288	23	122	95	4.3	110	120	0.49	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
288	23	122	95	4.3	110	120	0.49	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
288	23	122	95	4.3	110	120	0.49	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
289	9	126	100	1.1	0	10	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.2	4
289	9	126	100	1.1	0	10	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	5.9	4
289	9	126	100	1.1	0	10	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3

290	9	126	100	1.2	10	20	0.87	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	11.6	4
290	9	126	100	1.2	10	20	0.87	1	3.2	1	4	16	Flake, tertiary unsp, platform frag, chert, purplish black		
290	9	126	100	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4.7	3
290	9	126	100	1.2	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	2
291	9	126	100	2.1	20	30	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
291	9	126	100	2.1	20	30	0.87	1	3	3	4	7	Flake, tertiary unsp, chert, gray		
291	9	126	100	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	5
292	9	126	100	2.3	40	50	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	3.2	2
293	9	126	100	3.1	50	60	0.87	1	2	5	1	20	Flake, secondary shatter, rhyolite, gray coarse		
293	9	126	100	3.1	50	60	0.87	1	3	3	4	8	Flake, tertiary terminal frag, chert, dk. gray		
293	9	126	100	3.1	50	60	0.87	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.7	4
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	5
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12	4
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9	4
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
293	9	126	100	3.1	50	60	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.7	3
294	9	126	100	3.2	60	70	0.87	2	8		2	3	FCR(possible), quartz, tan/gray/white		
294	9	126	100	3.2	60	70	0.87	1	2.1	4	2	0	Flake, secondary unsp, whole, quartz, red	11.5	5
294	9	126	100	3.2	60	70	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	3.5	3
294	9	126	100	3.2	60	70	0.87	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	5
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	5
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.2	4
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.9	4
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.7	2
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.5	2
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.3	3
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	11	3
294	9	126	100	3.2	60	70	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	7.5	2
294	9	126	100	3.2	60	70	0.87	1	25		14	0	Raw material, conglomerate, pink		
294	9	126	100	3.2	60	70	0.87	4	25		2	3	Raw material, quartz, tan		
294	9	126	100	3.2	60	70	0.87	1	4	5	1	9	Utilized flake (possible point tang), shatter, rhyolite, green		
294	9	126	100	3.2	60	70	0.87	1	4	5	1	9	Utilized flake (possible point tang), shatter, rhyolite, green		
295	9	126	100	3.3	70	78	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.6	2
295	9	126	100	3.3	70	78	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	3
295	9	126	100	3.3	70	78	0.87	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
295	9	126	100	3.3	70	78	0.87	2	3.1	4	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
295	9	126	100	3.3	70	78	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.3	4
295	9	126	100	3.3	70	78	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
295	9	126	100	3.3	70	78	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
295	9	126	100	3.3	70	78	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
295	9	126	100	3.3	70	78	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	3
295	**9**	**126**	**100**	**3.3**	**70**	**78**	**0.87**	**1**	**6**	**1**	**1**	**9**	**Point, basal frag, rhyolite, green**		
295	9	126	100	3.3	70	78	0.87	1	6		1		Point, rhyolite		
295	9	126	100	3.3	70	78	0.87	1	6		1		Point, rhyolite		
295	9	126	100	3.3	70	78	0.87	1	25		14	0	Raw material, conglomerate, pink		
295	9	126	100	3.3	70	78	0.87	1	25		2	3	Raw material, quartz, tan		
296	9	126	100	3.4	78	88	0.87	1	8		2	0	FCR, quartz, red/white		
296	9	126	100	3.4	78	88	0.87	1	1.1	4	3	0	Flake, primary unsp, whole, quartzite, red	21.7	5
296	9	126	100	3.4	78	88	0.87	1	2.1	4	1	20	Flake, secondary unsp, whole, rhyolite, gray coarse	14.9	5
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	20	Flake, tertiary bif thin, whole, rhyolite, gray coarse	7.7	3
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	3
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	2
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.2	2
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	2
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.3	3

296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6.2	3
296	9	126	100	3.4	78	88	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	5	3
296	9	126	100	3.4	78	88	0.87	1	3	3	1	7	Flake, tertiary terminal frag, rhyolite, gray coarse		
296	9	126	100	3.4	78	88	0.87	6	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
296	9	126	100	3.4	78	88	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.6	4
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.2	5
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	3
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	5
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
296	9	126	100	3.4	78	88	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	2
296	**9**	**126**	**100**	**3.4**	**78**	**88**	**0.87**	**1**	**6**	**1**	**1**	**7**	**Point, basal frag, rhyolite, gray**		
296	9	126	100	3.4	78	88	0.87	1	25		2	3	Raw material, quartz, tan		
297	7	126	101	1.1	0	10	0.87	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	4.8	3
297	7	126	101	1.1	0	10	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	3.8	3
297	7	126	101	1.1	0	10	0.87	1				0	Ochre, orange		
298	7	126	101	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	6.5	3
299	7	126	101	2.1	20	30	0.87	1	2.1	4	2	3	Flake, secondary unsp, whole, quartz, tan	25.8	5
299	7	126	101	2.1	20	30	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	3
299	7	126	101	2.1	20	30	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
299	7	126	101	2.1	20	30	0.87	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
300	7	126	101	2.2	30	40	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8.3	4
300	7	126	101	2.2	30	40	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	2
300	7	126	101	2.2	30	40	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
300	7	126	101	2.2	30	40	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	5
300	7	126	101	2.2	30	40	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	8.8	3
301	7	126	101	2.3	40	50	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, brown	3.5	2
301	7	126	101	2.3	40	50	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.5	3
301	7	126	101	2.3	40	50	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
302	7	126	101	3.1	50	60	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.1	3
302	7	126	101	3.1	50	60	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.6	4
302	7	126	101	3.1	50	60	0.87	1	3	5	2	0	Flake, tertiary shatter, quartz, red/white		
302	7	126	101	3.1	50	60	0.87	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
302	7	126	101	3.1	50	60	0.87	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
302	7	126	101	3.1	50	60	0.87	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
302	7	126	101	3.1	50	60	0.87	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
302	7	126	101	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	2
302	7	126	101	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
302	7	126	101	3.1	50	60	0.87	1	25		1	18	Raw material, rhyolite, reddish brown		
303	7	126	101	3.2	60	70	0.87	1	1.1	4	2	3	Flake, primary unsp, whole, quartz, tan	4.5	3
303	7	126	101	3.2	60	70	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	21	5
303	7	126	101	3.2	60	70	0.87	1	2.1	4	1	17	Flake, secondary unsp, whole, rhyolite, bluish gray	6.1	3
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	14.6	4
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.9	3
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.7	3
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13.2	4
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	2
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.2	2
303	7	126	101	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
303	7	126	101	3.2	60	70	0.87	1	3	2	1	20	Flake, tertiary medial frag, rhyolite, gray coarse		
303	7	126	101	3.2	60	70	0.87	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
303	7	126	101	3.2	60	70	0.87	2	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
303	7	126	101	3.2	60	70	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
303	7	126	101	3.2	60	70	0.87	2	3	3	1	17	Flake, tertiary terminal frag, rhyolite, bluish gray		
303	7	126	101	3.2	60	70	0.87	15	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
303	7	126	101	3.2	60	70	0.87	1	3.1	1	1	20	Flake, tertiary unsp, platform frag, rhyolite, gray coarse		
303	7	126	101	3.2	60	70	0.87	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6	3

303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.2	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	4.1	2
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.1	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.1	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	5.2	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24	5
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.3	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.2	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.2	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	2
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	4
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.6	2
303	7	126	101	3.2	60	70	0.87	1	3.1	4	1	0	Flake, tertiary unsp, whole, rhyolite, red	8.1	5
303	7	126	101	3.2	60	70	0.87	1	3.1	4	2	2	Flake, tertiary unspl, whole, quartz, white	18.9	5
304	7	126	101	3.3	70	71	0.87	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
304	7	126	101	3.3	70	71	0.87	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
304	7	126	101	3.3	70	71	0.87	1	3.2	4	1	20	Flake, tertiary bif thin, whole, rhyolite, gray coarse	5.9	2
304	7	126	101	3.3	70	71	0.87	2	3	2	1	20	Flake, tertiary medial frag, rhyolite, gray coarse		
304	7	126	101	3.3	70	71	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
304	7	126	101	3.3	70	71	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	5.4	3
304	7	126	101	3.3	70	71	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	7.5	3
304	7	126	101	3.3	70	71	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.8	3
304	7	126	101	3.3	70	71	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	4.7	3
304	7	126	101	3.3	70	71	0.87	1	6		1		Point, rhyolite		
304	7	126	101	3.3	70	71	0.87	1	6		1		Point, rhyolite		
304	7	126	101	3.3	70	71	0.87	1	6		1		Point, rhyolite		
305	7	126	101	3.4	71	81	0.87	1	8		3	0	FCR, quartzite, red		
305	7	126	101	3.4	71	81	0.87	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
305	7	126	101	3.4	71	81	0.87	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
305	7	126	101	3.4	71	81	0.87	1	1.1	4	1	7	Flake, primary unsp, whole, rhyolite, gray/red	12	3
305	7	126	101	3.4	71	81	0.87	1	2	2	1	4	Flake, secondary medial frag, rhyolite, brown		
305	7	126	101	3.4	71	81	0.87	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
305	7	126	101	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.6	4
305	7	126	101	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
305	7	126	101	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	2
305	7	126	101	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
305	7	126	101	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
305	7	126	101	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.9	2
305	7	126	101	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.4	2
305	7	126	101	3.4	71	81	0.87	1	3	2	4	8	Flake, tertiary medial frag, chert, dk. gray		
305	7	126	101	3.4	71	81	0.87	5	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
305	7	126	101	3.4	71	81	0.87	7	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
305	7	126	101	3.4	71	81	0.87	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
305	7	126	101	3.4	71	81	0.87	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
305	7	126	101	3.4	71	81	0.87	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan/white	9.1	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.3	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	4.5	2
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	4
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	3
305	7	126	101	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
305	7	126	101	3.4	71	81	0.87	2	25		2	2	Raw material, quartz, white		
305	7	126	101	3.4	71	81	0.87	2	25		1	20	Raw material, rhyolite, gray coarse		

305	7	126	101	3.4	71	81	0.87	3	25		1	0	Raw material, rhyolite, red/brown		
306	5	126	102	1.1	0	10	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15.8	4
306	5	126	102	1.1	0	10	0.87	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
307	5	126	102	1.2	10	20	0.87	1	2.2	4	1	17	Flake, secondary bif thin, whole, rhyolite, bluish gray	2.3	2
307	5	126	102	1.2	10	20	0.87	1	2.1	4	1	17	Flake, secondary unsp, whole, rhyolite, bluish gray	10.4	4
307	5	126	102	1.2	10	20	0.87	1	3.2	4	1	17	Flake, tertiary bif thin, whole, rhyolite, bluish gray		
307	5	126	102	1.2	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.7	2
307	5	126	102	1.2	10	20	0.87	1	3	5	1	11	Flake, tertiary shatter, rhyolite, black		
307	5	126	102	1.2	10	20	0.87	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
307	5	126	102	1.2	10	20	0.87	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
307	5	126	102	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	6	4
307	5	126	102	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.1	3
307	5	126	102	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.2	3
308	5	126	102	2.1	20	30	0.87	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	4.2	2
308	5	126	102	2.1	20	30	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
308	5	126	102	2.1	20	30	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.6	4
308	5	126	102	2.1	20	30	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.1	3
308	5	126	102	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	2
308	5	126	102	2.1	20	30	0.87	1	25		3	0	Raw material, quartzite, red		
309	5	126	102	2.2	30	40	0.87	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	1.8	2
309	5	126	102	2.2	30	40	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	3
309	5	126	102	2.2	30	40	0.87	1	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
309	5	126	102	2.2	30	40	0.87	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
309	5	126	102	2.2	30	40	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
310	5	126	102	2.3	40	50	0.87	1	2	5	1	6	Flake, secondary shatter, rhyolite, lt. gray		
310	5	126	102	2.3	40	50	0.87	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	5.4	4
310	5	126	102	2.3	40	50	0.87	3	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
311	5	126	102	3.1	50	60	0.87	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
311	5	126	102	3.1	50	60	0.87	3	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
311	5	126	102	3.1	50	60	0.87	1	2.1	4	1	17	Flake, secondary unsp, whole, rhyolite, bluish gray	7	4
311	5	126	102	3.1	50	60	0.87	1	3.2	4	1	20	Flake, tertiary bif thin, whole, rhyolite, gray coarse	7.1	3
311	5	126	102	3.1	50	60	0.87	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
311	5	126	102	3.1	50	60	0.87	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
311	5	126	102	3.1	50	60	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	8.8	5
311	5	126	102	3.1	50	60	0.87	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	9.3	4
311	5	126	102	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
311	5	126	102	3.1	50	60	0.87	1	25		1	18	Raw material, rhyolite, reddish brown		
312	5	126	102	3.2	60	70	0.87	2	8		2	0	FCR, quartz, red/white/gray		
312	5	126	102	3.2	60	70	0.87	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	5	1	5	1	9	Flake, primary shatter, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.4	3
312	5	126	102	3.2	60	70	0.87	2	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	5.8	2
312	5	126	102	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.2	5
312	5	126	102	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.7	5
312	5	126	102	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.4	4
312	5	126	102	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.2	3
312	5	126	102	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.6	3
312	5	126	102	3.2	60	70	0.87	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	3	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
312	5	126	102	3.2	60	70	0.87	10	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	4	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	4
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	5
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.3	5

312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	4
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	4
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
312	5	126	102	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
312	**5**	**126**	**102**	**3.2**	**60**	**70**	**0.87**	**2**	**6**	**3**	**1**	**9**	**Point, tip fragment, rhyolite, green**		
312	5	126	102	3.2	60	70	0.87	1	25		14	0	Raw material, conglomerate, pink		
312	5	126	102	3.2	60	70	0.87	3	25		2	2	Raw material, quartz, white		
312	5	126	102	3.2	60	70	0.87	1	4	3	1	9	Utilized flake(?), secondary terminal frag, rhyolite, green		
312	5	126	102	3.2	60	70	0.87	1	4	3	1	9	Utilized flake(?), secondary terminal frag, rhyolite, green		
313	5	126	102	3.3	70	75	0.87	1	23		23		Charcoal, <0.1g		
313	5	126	102	3.3	70	75	0.87	1	1	5	1	4	Flake, primary shatter, rhyolite, brown		
313	5	126	102	3.3	70	75	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5	3
313	5	126	102	3.3	70	75	0.87	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
313	5	126	102	3.3	70	75	0.87	1	3	5	2	3	Flake, tertiary shatter, quartz, tan		
313	5	126	102	3.3	70	75	0.87	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
313	5	126	102	3.3	70	75	0.87	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
313	5	126	102	3.3	70	75	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	5.9	3
313	5	126	102	3.3	70	75	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.6	5
313	5	126	102	3.3	70	75	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
313	5	126	102	3.3	70	75	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.6	2
313	5	126	102	3.3	70	75	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
313	5	126	102	3.3	70	75	0.87	1	25		1	18	Raw material, rhyolite, reddish brown		
314	5	126	102	3.4	71	81	0.87	9	8		2	0	FCR(possible), quartz, pink/white/gray		
314	5	126	102	3.4	71	81	0.87	1	1.2	4	1	9	Flake, primary bif thin, whole, rhyolite, green	18.2	5
314	5	126	102	3.4	71	81	0.87	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	1	5	2	7	Flake, primary shatter, quartz, gray		
314	5	126	102	3.4	71	81	0.87	1	1	5	2	0	Flake, primary shatter, quartz, red/white		
314	5	126	102	3.4	71	81	0.87	22	1	5	1	9	Flake, primary shatter, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	3	1	3	1	8	Flake, primary terminal frag, rhyolite, dk. gray		
314	5	126	102	3.4	71	81	0.87	13	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	27.8	5
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	12.4	5
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	16.1	5
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	16.2	4
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	13.4	5
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.2	4
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.1	3
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	11.3	3
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	8.8	3
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	4.4	4
314	5	126	102	3.4	71	81	0.87	1	1.1	4	1	3	Flake, primary unsp, whole, rhyolite, tan	6.7	3
314	5	126	102	3.4	71	81	0.87	7	2	5	1	9	Flake, secondary shatter, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	2	3	1	8	Flake, secondary terminal frag, rhyolite, dk. gray		
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	9.7	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	24.3	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	15.2	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	10	4
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	34.7	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.2	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	25.5	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	40.1	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.9	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	37.4	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	15.3	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3.7	3
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.5	4
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.8	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.3	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.6	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.7	4
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.5	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.9	4
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.9	5
314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13.7	4

314	5	126	102	3.4	71	81	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.7	3
314	5	126	102	3.4	71	81	0.87	1	2	2	1	9	Flake, seocndary medial frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.9	2
314	5	126	102	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	10.5	3
314	5	126	102	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.8	2
314	5	126	102	3.4	71	81	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.1	3
314	5	126	102	3.4	71	81	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	7.9	3
314	5	126	102	3.4	71	81	0.87	2	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	9	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
314	5	126	102	3.4	71	81	0.87	36	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	2	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
314	5	126	102	3.4	71	81	0.87	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
314	5	126	102	3.4	71	81	0.87	7	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	51	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	14	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	26.5	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	13.2	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	8.1	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	13	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.6	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	47	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	54.9	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.8	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.3	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	34.3	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.2	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.2	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.1	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.1	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.2	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.7	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.1	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.5	5
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.8	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.4	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.3	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.8	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.8	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	3

314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.5	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	4
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	3
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
314	5	126	102	3.4	71	81	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
314	5	126	102	3.4	71	81	0.87	1	25		14	0	Raw material, conglomerate, pink		
314	5	126	102	3.4	71	81	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
314	5	126	102	3.4	71	81	0.87	1	25		1	18	Raw material, rhyolite, reddish brown		
314	5	126	102	3.4	71	81	0.87	1	4	3	1	6	Utilized flake(?), tertiary terminal frag, rhyolite, lt. gray		
314	5	126	102	3.4	71	81	0.87	1	4	3	1	6	Utilized flake(?), tertiary terminal frag, rhyolite, lt. gray		
315	3	126	103	1.2	10	20	0.87	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
315	3	126	103	1.2	10	20	0.87	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	7.9	3
315	3	126	103	1.2	10	20	0.87	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	6.6	2
315	3	126	103	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	15.2	5
315	3	126	103	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.1	3
315	3	126	103	1.2	10	20	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4.8	3
316	3	126	103	2.2	30	40	0.87	1	23		23		Charcoal, <0.1g		
316	3	126	103	2.2	30	40	0.87	1	3	5	1	7	Flake, tertiary shatter, rhyolite, gray		
316	3	126	103	2.2	30	40	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
316	3	126	103	2.2	30	40	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	4
316	3	126	103	2.2	30	40	0.87	1	9		6		Sherd, sand tempered, eroded surface		
317	3	126	103	2.3	40	50	0.87	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
317	3	126	103	2.3	40	50	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.3	3
317	3	126	103	2.3	40	50	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.1	4
317	3	126	103	2.3	40	50	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.6	5
317	3	126	103	2.3	40	50	0.87	1	3	5	2	7	Flake, tertiary shatter, quartz, gray		
318	3	126	103	3.1	50	60	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.1	5
318	3	126	103	3.1	50	60	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.7	5
318	3	126	103	3.1	50	60	0.87	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
318	3	126	103	3.1	50	60	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3.4	2
318	3	126	103	3.1	50	60	0.87	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
318	3	126	103	3.1	50	60	0.87	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
318	3	126	103	3.1	50	60	0.87	1	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
318	3	126	103	3.1	50	60	0.87	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	3
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	2
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	4
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	2
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.2	3
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	3
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.9	2
318	3	126	103	3.1	50	60	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
319	3	126	103	3.2	60	70	0.87	4	23		23		Charcoal, <0.1g		
319	3	126	103	3.2	60	70	0.87	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	3	1	5	1	9	Flake, primary shatter, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	3	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	1	1.1	4	1	8	Flake, primary unsp, whole, rhyolite, dk. gray	7.6	5
319	3	126	103	3.2	60	70	0.87	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	27	5
319	3	126	103	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.7	3
319	3	126	103	3.2	60	70	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.6	3
319	3	126	103	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
319	3	126	103	3.2	60	70	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.5	2
319	3	126	103	3.2	60	70	0.87	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	5	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	12	3	5	1	9	Flake, tertiary shatter, rhyolite, green		

319	3	126	103	3.2	60	70	0.87	1	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
319	3	126	103	3.2	60	70	0.87	13	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	3	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	3.9	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	4.9	2
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	10.3	5
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.9	5
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	3
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
319	3	126	103	3.2	60	70	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	4.5	4
319	3	126	103	3.2	60	70	0.87	6	25		2	2	Raw material, quartz, white/red		
319	3	126	103	3.2	60	70	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
320	3	126	103	3.3	70	73	0.87	1	8		2	0	FCR, quartz, red		
320	3	126	103	3.3	70	73	0.87	4	1	5	1	9	Flake, primary shatter, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	1	2.2	4	1	9	Flake, secondary bif thin, whole, rhyolite, green	6.7	4
320	3	126	103	3.3	70	73	0.87	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	3	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.3	3
320	3	126	103	3.3	70	73	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.9	4
320	3	126	103	3.3	70	73	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.6	4
320	3	126	103	3.3	70	73	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	3
320	3	126	103	3.3	70	73	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	8.3	3
320	3	126	103	3.3	70	73	0.87	13	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	17	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	3	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	4
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.8	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.4	2
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	4
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.5	5
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	3
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	5
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.6	5
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.9	4
320	3	126	103	3.3	70	73	0.87	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5	2
320	3	126	103	3.3				1	6		1		Point, rhyolite		
320	3	126	103	3.3	70	73	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
320	3	126	103	3.3	70	73	0.87	2	25		1	0	Raw material, rhyolite, red/brown		
321	3	126	103		73	73	0.87	1	25		1	9	Raw material (battered cobble), rhyolite, green		
321	3	126	103		73	73	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
322	3	126	103	3.4	73	83	0.87	1	23		23		Charcoal, <0.1g		
322	3	126	103	3.4	73	83	0.87	1	8		3	0	FCR (possible), quartzite, orange/white		
322	3	126	103	3.4	73	83	0.87	5	1	6	1	9	Flake, primary chunk, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	1	1	2	1	9	Flake, primary medial frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	2	1	5	1	8	Flake, primary shatter, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	40	1	5	1	9	Flake, primary shatter, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	3	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	10	1	5	1	3	Flake, primary shatter, rhyolite, tan		

322	3	126	103	3.4	73	83	0.87	3	1	3	1	6	Flake, primary terminal frag, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	5	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	1	3	1	8	Flake, primary terminal frag, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	2	1.1	1	1	6	Flake, primary unsp, platform frag, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	1	1.1	1	1	18	Flake, primary unsp, platform frag, rhyolite, reddish brown		
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	8	Flake, primary unsp, whole, rhyolite, dk. gray	17.6	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.9	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	21.9	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	15.4	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	10.5	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.5	4
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	2.5	2
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.9	2
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	8	3
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	3.6	3
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	3.9	2
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	4.7	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	8	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	3.9	5
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	3.9	3
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	3.8	4
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	11.7	4
322	3	126	103	3.4	73	83	0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	7.6	4
322	3	126	103	3.4	73	83	0.87	1	2.2	4	1	6	Flake, secondary bif thin, whole, rhyolite, lt. gray	2.4	3
322	3	126	103	3.4	73	83	0.87	5	2	6	1	9	Flake, secondary chunk, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	2	6	1	6	Flake, secondary chunk, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	2	2	2	1	8	Flake, secondary medial frag, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	3	2	5	1	8	Flake, secondary shatter, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	33	2	5	1	9	Flake, secondary shatter, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	2	5	1	7	Flake, secondary shatter, rhyolite, reddish gray		
322	3	126	103	3.4	73	83	0.87	2	2	3	1	8	Flake, secondary terminal frag, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	8	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	1	2.1	1	1	8	Flake, secondary unsp, platform frag, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	4	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	2	2.1	1	1	6	Flake, secondary unsp, platform frag, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	13.3	4
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	20	Flake, secondary unsp, whole, rhyolite, gray coarse	4.8	2
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.4	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.5	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.3	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.9	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.7	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	15.8	4
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	11.4	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5	2
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	18.1	4
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.8	3
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.1	3
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	5.3	3
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.7	4
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15.9	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	7.1	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	9	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	22.3	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	7.7	2
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	7	3
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	8.2	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15.3	5

322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	30.5	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11.8	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	7.5	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	6.3	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	6.6	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11.1	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	8.6	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	11	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	19.8	4
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	16.9	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15.5	5
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5	3
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	8.6	3
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	6.8	4
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.2	2
322	3	126	103	3.4	73	83	0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	4.3	2
322	3	126	103	3.4	73	83	0.87	1	3.2	4	1	8	Flake, tertiary bif thin, whole, rhyolite, dk. gray	5.2	2
322	3	126	103	3.4	73	83	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	3
322	3	126	103	3.4	73	83	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.5	2
322	3	126	103	3.4	73	83	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.1	3
322	3	126	103	3.4	73	83	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	7.8	3
322	3	126	103	3.4	73	83	0.87	4	3	6	2	2	Flake, tertiary chunk, quartz, white		
322	3	126	103	3.4	73	83	0.87	15	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	14	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
322	3	126	103	3.4	73	83	0.87	3	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
322	3	126	103	3.4	73	83	0.87	184	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	2	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	4	3	3	1	8	Flake, tertiary terminal frag, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	58	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	4	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
322	3	126	103	3.4	73	83	0.87	2	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
322	3	126	103	3.4	73	83	0.87	8	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
322	3	126	103	3.4	73	83	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	3.3	2
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	15.6	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	17.5	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	8.7	3
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.9	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.9	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.2	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	3
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.8	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	3
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.5	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.1	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	19.4	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.6	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	5
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.4	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18	4
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.2	3
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	2
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
322	3	126	103	3.4	73	83	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	4

322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	5
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	2
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
322	3	126	103	3.4	73	83		0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.9	4
322	3	126	103	3.4	73	83		0.87	4	25		14	0	Raw material, conglomerate, pink		
322	3	126	103	3.4	73	83		0.87	2	25		2	7	Raw material, quartz, gray/red		
322	3	126	103	3.4	73	83		0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
322	3	126	103	3.4	73	83		0.87	1	9		6		Sherdlet, sand tempered, eroded surface		
323	3	126	103		80	83	5	0.87	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
323	3	126	103		80	83	5	0.87	2	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
323	3	126	103		80	83	5	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	37.5	5
323	3	126	103		80	83	5	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	57.2	5
323	3	126	103		80	83	5	0.87	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
323	3	126	103		80	83	5	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	45.1	5
323	3	126	103		80	83	5	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	68.9	5
323	3	126	103		80	83	5	0.87	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
323	3	126	103		80	83	5	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
323	3	126	103		80	83	5	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
323	3	126	103		80	83	5	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	5
323	3	126	103		80	83	5	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.8	5
323	3	126	103		80	83	5	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26	5
324	3	126	103		90	100		0.87	1	1	5	1	8	Flaek, primary shatter, rhyolite, dk. gray		
324	3	126	103		90	100		0.87	4	1	5	1	3	Flake primary shatter, rhyolite, tan		
324	3	126	103		90	100		0.87	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
324	3	126	103		90	100		0.87	11	1	5	1	9	Flake, primary shatter, rhyolite, green		
324	3	126	103		90	100		0.87	3	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray		
324	3	126	103		90	100		0.87	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	3.8	5
324	3	126	103		90	100		0.87	2	2	5	1	8	Flake, secondary shatter, rhyolite, dk. gray		
324	3	126	103		90	100		0.87	11	2	5	1	9	Flake, secondary shatter, rhyolite, green		
324	3	126	103		90	100		0.87	5	2	5	1	6	Flake, secondary shatter, rhyolite, lt. gray		
324	3	126	103		90	100		0.87	1	2	3	1	8	Flake, secondary terminal frag, rhyolite, dk. gray		
324	3	126	103		90	100		0.87	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
324	3	126	103		90	100		0.87	3	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
324	3	126	103		90	100		0.87	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
324	3	126	103		90	100		0.87	2	2.1	1	1	6	Flake, secondary unsp, platform frag, rhyolite, lt. gray		
324	3	126	103		90	100		0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.4	5
324	3	126	103		90	100		0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.4	4
324	3	126	103		90	100		0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3	3
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.9	5
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	15.8	5
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	3	4
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	8.3	3
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	3.1	3
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	2.4	2
324	3	126	103		90	100		0.87	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	2.6	3
324	3	126	103		90	100		0.87	5	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
324	3	126	103		90	100		0.87	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
324	3	126	103		90	100		0.87	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
324	3	126	103		90	100		0.87	9	3	5	1	8	Flake, tertiary shatter, rhyolite, dk. gray		
324	3	126	103		90	100		0.87	90	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
324	3	126	103		90	100		0.87	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
324	3	126	103		90	100		0.87	18	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
324	3	126	103		90	100		0.87	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
324	3	126	103		90	100		0.87	1	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		

324	3	126	103		90	100	0.87	4	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
324	3	126	103		90	100	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	9.5	3
324	3	126	103		90	100	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	8	2
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.7	5
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.8	5
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	4
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	3
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	3
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	5
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	5
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	4
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	4
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
324	3	126	103		90	100	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
324	3	126	103		90	100	0.87	4	25		1	9	Raw material, rhyolite, green		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**1**	**5**	**1**	**8**	**Flake, primary shatter, rhyolite, dk. gray**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**2**	**2**	**1**	**6**	**Flake, secondary medial frag, rhyolite, lt. gray**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**2**	**5**	**1**	**9**	**Flake, secondary shatter, rhyolite, green**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**2**	**3**	**1**	**6**	**Flake, secondary terminal frag, rhyolite, lt. gray**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**2.1**	**1**	**1**	**6**	**Flake, secondary unsp, platform frag, rhyolite, lt. gray**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**3**	**2**	**1**	**9**	**Flake, tertiary medial frag, rhyolite, green**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**8**	**3**	**5**	**1**	**9**	**Flake, tertiary shatter, rhyolite, green**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**2**	**3**	**3**	**1**	**8**	**Flake, tertiary terminal frag, rhyolite, dk. gray**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**5**	**3**	**3**	**1**	**9**	**Flake, tertiary terminal frag, rhyolite, green**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**3.1**	**1**	**1**	**9**	**Flake, tertiary unsp, platform frag, rhyolite, green**		
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**3.1**	**4**	**1**	**8**	**Flake, tertiary unsp, whole, rhyolite, dk. gray**	**18.2**	**5**
325	**3**	**126**	**103**		**100**	**110**	**0.87**	**1**	**3.1**	**4**	**1**	**9**	**Flake, tertiary unsp, whole, rhyolite, green**	**15.8**	**5**
326	**3**	**126**	**103**		**160**	**170**	**0.87**	**1**	**25**		**2**	**0**	**River cobble, quartz, red**		
327	1	126	104	1.1	0	10	0.9	4					Historic, .357 shells		
327	1	126	104	1.1	0	10	0.9	1					Historic, wire nail		
328	1	126	104	1.2	10	20	0.9	1	3	6	1	7	Flake, tertiary chunk, rhyolite, gray		
328	1	126	104	1.2	10	20	0.9	1	3	2	1	11	Flake, tertiary medial frag, rhyolite, black		
328	1	126	104	1.2	10	20	0.9	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
328	1	126	104	1.2	10	20	0.9	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4.2	4
328	1	126	104	1.2	10	20	0.9	1	25		14	0	Raw material, conglomerate, pink		
329	1	126	104	2.1	20	30	0.9	1	2	3	1	3	Flake, secondary terminal frag, rhyolite, tan		
329	1	126	104	2.1	20	30	0.9	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
329	1	126	104	2.1	20	30	0.9	1	0		2	2	Hammerston(fragment), quartz, white/red/tan		
329	1	126	104	2.1	20	30	0.9	1	0		2	2	Hammerston(fragment), quartz, white/red/tan		
330	1	126	104	2.2	30	40	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	3
330	1	126	104	2.2	30	40	0.9	1	9		6		Sherdlet, coarse sand temper, eroded surface		
331	1	126	104	2.3	40	50	0.9	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	7.2	2
332	1	126	104	3.1	50	60	0.9	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
332	1	126	104	3.1	50	60	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	2.9	2
332	1	126	104	3.1	50	60	0.9	1	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
332	1	126	104	3.1	50	60	0.9	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
332	1	126	104	3.1	50	60	0.9	1	3	5	1	18	Flake, tertiary shatter, rhyolite, reddish brown		
332	1	126	104	3.1	50	60	0.9	1	3	3	1	3	Flake, tertiary terminal frag, rhyolite, tan		
332	1	126	104	3.1	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
333	1	126	104	3.2	60	70	0.9	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
333	1	126	104	3.2	60	70	0.9	4	2	5	1	9	Flake, secondary shatter, rhyolite, green		
333	1	126	104	3.2	60	70	0.9	1	2.1	1	1	6	Flake, secondary unsp, platform frag, rhyolite, lt. gray		
333	1	126	104	3.2	60	70	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.3	5
333	1	126	104	3.2	60	70	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	18.4	5
333	1	126	104	3.2	60	70	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.7	4
333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	18.5	5
333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	11.9	4
333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	2
333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.1	2

333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.8	2
333	1	126	104	3.2	60	70	0.9	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	8.1	3
333	1	126	104	3.2	60	70	0.9	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
333	1	126	104	3.2	60	70	0.9	13	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
333	1	126	104	3.2	60	70	0.9	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
333	1	126	104	3.2	60	70	0.9	1	3.1	1	2	2	Flake, tertiary unsp, platform frag, quartz, white		
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	5
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	4
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	3
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	3
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	3
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.2	4
333	1	126	104	3.2	60	70	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
333	1	126	104	3.2	60	70	0.9	1	25		2	2	Raw material, quartz, white		
333	1	126	104	3.2	60	70	0.9	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
334	1	126	104	3.3	70	80	0.9	1	1	5	1	8	Flake, pirmary shatter, rhyolite, dk. gray		
334	1	126	104	3.3	70	80	0.9	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
334	1	126	104	3.3	70	80	0.9	1	2	6	1	6	Flake, secondary chunk, rhyolite, lt. gray		
334	1	126	104	3.3	70	80	0.9	3	2	5	1	9	Flake, secondary shatter, rhyolite, green		
334	1	126	104	3.3	70	80	0.9	1	2.1	1	1	8	Flake, secondary unsp, platform frag, rhyolite, dk. gray		
334	1	126	104	3.3	70	80	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.4	5
334	1	126	104	3.3	70	80	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.7	5
334	1	126	104	3.3	70	80	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.4	4
334	1	126	104	3.3	70	80	0.9	9	3	5	1	8	Flake, teritary shatter, rhyolite, dk. gray		
334	1	126	104	3.3	70	80	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	4
334	1	126	104	3.3	70	80	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	3
334	1	126	104	3.3	70	80	0.9	1	3	6	1	20	Flake, tertiary chunk, rhyolite, gray coarse		
334	1	126	104	3.3	70	80	0.9	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
334	1	126	104	3.3	70	80	0.9	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
334	1	126	104	3.3	70	80	0.9	25	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
334	1	126	104	3.3	70	80	0.9	1	3	5	1	3	Flake, tertiary shatter, rhyolite, tan		
334	1	126	104	3.3	70	80	0.9	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white		
334	1	126	104	3.3	70	80	0.9	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
334	1	126	104	3.3	70	80	0.9	11	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
334	1	126	104	3.3	70	80	0.9	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
334	1	126	104	3.3	70	80	0.9	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
334	1	126	104	3.3	70	80	0.9	3	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
334	1	126	104	3.3	70	80	0.9	3	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
334	1	126	104	3.3	70	80	0.9	1	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	5	2
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	4.8	2
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.6	5
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.2	4
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15	5
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	4
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	4
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	4
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	9.2	3
334	1	126	104	3.3	70	80	0.9	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.2	3
334	1	126	104	3.3	70	80	0.9	1	6		1		Point, rhyolite		
334	1	126	104	3.3	70	80	0.9	1	6		1		Point, rhyolite		
334	1	126	104	3.3	70	80	0.9	1	6		1		Point, rhyolite		
334	1	126	104	3.3	70	80	0.9	1	25		3	3	Raw material, quartzite, tan		
334	1	126	104	3.3	70	80	0.9	4	25		1	0	Raw material, rhyolite, red/brown		
334	1	126	104	3.3	70	80	0.9	1	25		3	4	River cobble, quartzite, brown		
335	1	126	104	4.1	80	90	0.9	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	8	1	5	1	9	Flake, primary shatter, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	1	1	5	1	3	Flake, primary shatter, rhyolite, tan		
335	1	126	104	4.1	80	90	0.9	2	2	5	1	8	Flake, secondary shatter, rhyolite, dk. gray		
335	1	126	104	4.1	80	90	0.9	19	2	5	1	9	Flake, secondary shatter, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		

335	1	126	104	4.1	80	90	0.9	4	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green	
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	22.2	5
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	16.7	5
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	24.8	5
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	9.7	4
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	13.1	4
335	1	126	104	4.1	80	90	0.9	5	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
335	1	126	104	4.1	80	90	0.9	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	1	3	5	2	2	Flake, tertiary shatter, quartz, white/red		
335	1	126	104	4.1	80	90	0.9	100	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	1	3	5	1	18	Flake, tertiary shatter, rhyolite, reddish brown		
335	1	126	104	4.1	80	90	0.9	13	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	1	3.1	1	1	8	Flake, tertiary unsp, platform frag, rhyolite, dk. gray		
335	1	126	104	4.1	80	90	0.9	4	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	21.1	5
335	1	126	104	4.1	80	90	0.9	1	2.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	4.7	4
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	4.8	2
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15	4
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	2
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	2
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	2
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.2	3
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.9	3
335	1	126	104	4.1	80	90	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
336	36	126	105	1.2	10	20	0.95	1	2.1	4	1	18	Flake, secondary unsp, whole, rhyolite, reddish brown	7.1	5
336	36	126	105	1.2	10	20	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	2
337	36	126	105	2.1	20	30	0.95	1	25		1	4	River cobble, rhyolite(?), brown		
338	36	126	105	2.2	30	40	0.95	1	2	3	4	20	Flake, secondary medial frag, rhyolite, gray coarse		
338	36	126	105	2.2	30	40	0.95	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	2.1	4
338	36	126	105	2.2	30	40	0.95	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
338	36	126	105	2.2	30	40	0.95	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
338	36	126	105	2.2	30	40	0.95	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
338	36	126	105	2.2	30	40	0.95	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	4.2	3
339	36	126	105	2.3	40	50	0.95	2	8		2	0	FCR(possible), quartz, red/white		
339	36	126	105	2.3	40	50	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray		
339	36	126	105	2.3	40	50	0.95	1	25		2	7	Raw material, quartz, gray		
340	36	126	105	2.4	50	55	0.95	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
340	36	126	105	2.4	50	55	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	4
341	36	126	105	4.1	65	75	0.95	1	1	6	3	0	Flake, primary chunk, quartzite, red		
341	36	126	105	4.1	65	75	0.95	2	1	5	1	9	Flake, primary shatter, rhyolite, green		
341	36	126	105	4.1	65	75	0.95	1	2	5	2	0	Flake, secondary shatter, quartz, red		
341	36	126	105	4.1	65	75	0.95	1	2	5	1	3	Flake, secondary shatter, rhyolite, tan		
341	36	126	105	4.1	65	75	0.95	1	2	3	1	8	Flake, secondary terminal frag, rhyolite, dk. gray		
341	36	126	105	4.1	65	75	0.95	1	2.1	4	1	18	Flake, secondary unsp, whole, rhyolite, reddish brown	17.5	5
341	36	126	105	4.1	65	75	0.95	1	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
341	36	126	105	4.1	65	75	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	17.8	5
341	36	126	105	4.1	65	75	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.3	2
341	36	126	105	4.1	65	75	0.95	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	4.9	3
341	36	126	105	4.1	65	75	0.95	6	3	5	2	0	Flake, tertiary shatter, quartz, red		
341	36	126	105	4.1	65	75	0.95	5	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
341	36	126	105	4.1	65	75	0.95	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
341	36	126	105	4.1	65	75	0.95	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
341	36	126	105	4.1	65	75	0.95	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	5.8	2
341	36	126	105	4.1	65	75	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11	3
341	36	126	105	4.1	65	75	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	4
341	36	126	105	4.1	65	75	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	2
341	36	126	105	4.1	65	75	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.8	3
341	36	126	105	4.1	65	75	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.3	4

341	36	126	105	4.1	65	75	0.95	1	25		3	0	Raw material, quartzite, red		
342	36	126	105	4.2	75	85	0.95	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.6	5
342	36	126	105	4.2	75	85	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
342	36	126	105	4.2	75	85	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.1	3
342	36	126	105	4.2	75	85	0.95	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
342	36	126	105	4.2	75	85	0.95	2	3	5	2	3	Flake, tertiary shatter, quartz, tan		
342	36	126	105	4.2	75	85	0.95	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
342	36	126	105	4.2	75	85	0.95	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
342	36	126	105	4.2	75	85	0.95	4	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
342	36	126	105	4.2	75	85	0.95	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	8	4
342	36	126	105	4.2	75	85	0.95	1	3.1	4	3	3	Flake, tertiary unsp, whole, quartzite, tan	26.7	5
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	4
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.1	3
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	4
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.1	4
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	2
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	5
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
342	36	126	105	4.2	75	85	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6	3
342	36	126	105	4.2	75	85	0.95	1	6		1		Point, rhyolite		
342	36	126	105	4.2	75	85	0.95	1	25		2	2	Raw material, quartz, white		
342	36	126	105	4.2	75	85	0.95	1	25		3	0	Raw material, quartzite, red		
342	36	126	105	4.2	75	85	0.95	1	25		1	6	Raw material, rhyolite, lt. gray		
343	36	126	105	5.1	85	90	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	4
343	36	126	105	5.1	85	90	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	4
343	36	126	105	5.1	85	90	0.95	1	25		1	0	Raw material, rhyolite, red/brown		
344	43	126	106	2.1	10	20	0.91	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	7.3	3
344	43	126	106	2.1	10	20	0.91	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
344	43	126	106	2.1	10	20	0.91	1	6		1		Point, rhyolite		
344	43	126	106	2.1	10	20	0.91	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
345	43	126	106	2.3	30	40	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.2	3
345	43	126	106	2.3	30	40	0.91	5	25		14	0	Raw material, conglomerate, pink		
345	43	126	106	2.3	30	40	0.91	1	25		2	2	Raw material, quartz, white		
346	43	126	106	2.4	40	50	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.1	3
346	43	126	106	2.4	40	50	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.2	3
346	43	126	106	2.4	40	50	0.91	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
346	43	126	106	2.4	40	50	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	2
346	43	126	106	2.4	40	50	0.91	18	25		14	0	Raw material, conglomerate, pink/gray		
347	43	126	106	3.1	50	60	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.7	2
347	43	126	106	3.1	50	60	0.91	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	4.5	2
347	43	126	106	3.1	50	60	0.91	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
347	43	126	106	3.1	50	60	0.91	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	18.6	4
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.6	4
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	3
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	2
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	4
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
347	43	126	106	3.1	50	60	0.91	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	11.5	3
347	43	126	106	3.1	50	60	0.91	1	25		14	0	Raw material, conglomerate, pink		
347	43	126	106	3.1	50	60	0.91	1	25		2	2	Raw material, quartz, white		
348	43	126	106	4.1	60	70	0.91	3	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
348	43	126	106	4.1	60	70	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
348	43	126	106	4.1	60	70	0.91	2					Mica flakes		
348	43	126	106	4.1	60	70	0.91	1	25		1	4	Raw material, rhyolite, brown		
349	43	126	106	4.2	70	80	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.3	3
349	43	126	106	4.2	70	80	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	3
349	43	126	106	4.2	70	80	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	2
349	43	126	106	4.2	70	80	0.91	2	3	6	1	4	Flake, tertiary chunk, rhyolite, brown		
349	43	126	106	4.2	70	80	0.91	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
349	43	126	106	4.2	70	80	0.91	1	3	5	2	1	Flake, tertiary shatter, quartz, crystal		

349	43	126	106	4.2	70	80	0.91	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
349	43	126	106	4.2	70	80	0.91	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
349	43	126	106	4.2	70	80	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	3
349	43	126	106	4.2	70	80	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3
349	43	126	106	4.2	70	80	0.91	1	25			0	Raw material, unidentified, pink/brown/gray		
350	43	126	106	5.1	80	85	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3	2
351	40	126	107	1.2	10	20	0.95	1	1	5	3	0	Flake, primary shatter, quartzite, red		
351	40	126	107	1.2	10	20	0.95	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.1	3
351	40	126	107	1.2	10	20	0.95	1	9		6		Sherd, sand temper, eroded surface		
352	40	126	107	1.3	20	30	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	12	4
352	40	126	107	1.3	20	30	0.95	5	25		14	0	Raw material, conglomerate, pink		
352	40	126	107	1.3	20	30	0.95	1	25		2	0	Raw material, quartz, red		
353	40	126	107	2.1	40	50	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	4.4	4
354	40	126	107	3.1	50	60	0.95	1	2.1	4	4	11	Flake, secondary unsp, whole, chert, black	3.7	3
354	40	126	107	3.1	50	60	0.95	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
354	40	126	107	3.1	50	60	0.95	1	3	3	1	7	Flake, tertiary terminal frag, rhyolite, gray		
354	40	126	107	3.1	50	60	0.95	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	6.5	4
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.6	3
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	5.8	3
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	8.4	3
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	2
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	16.7	4
354	40	126	107	3.1	50	60	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	5.4	3
354	40	126	107	3.1	50	60	0.95	1	25		14	6	Raw material, conglomerate, lt. gray/gray		
355	40	126	107	4.1	60	70	0.95	7	8		2	0	FCR, quartz, red		
355	40	126	107	4.1	60	70	0.95	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	5.8	3
355	40	126	107	4.1	60	70	0.95	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	8.7	3
355	40	126	107	4.1	60	70	0.95	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
355	40	126	107	4.1	60	70	0.95	1	3	5	2	1	Flake, tertiary shatter, quartz, crystal		
355	40	126	107	4.1	60	70	0.95	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
355	40	126	107	4.1	60	70	0.95	4	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
355	40	126	107	4.1	60	70	0.95	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
355	40	126	107	4.1	60	70	0.95	2	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	6.2	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	13.4	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.6	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	4	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	6.7	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	8.1	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.3	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	7.8	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.2	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	13.4	4
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	12.7	5
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.1	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4.6	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	2.7	2
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	14.8	4
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	6.7	3
355	40	126	107	4.1	60	70	0.95	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	4	2
355	**40**	**126**	**107**	**4.1**	**60**	**70**	**0.95**	**1**	**6**	**3**	**1**	**7**	**Point, tip frag, rhyolite, gray**		
355	40	126	107	4.1	60	70	0.95	1	25		14	0	Raw material, conglomerate, pink		
355	40	126	107	4.1	60	70	0.95	2	25		2	2	Raw material, quartz, white		
355	40	126	107	4.1	60	70	0.95	1	25		1	4	Raw material, rhyolite, brown		
355	40	126	107	4.1	60	70	0.95	3	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
355	40	126	107	4.1	60	70	0.95	2	25		1	6	Raw material, rhyolite, lt. gray		
356	40	126	107	5.1	70	80	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	11.5	3
356	40	126	107	5.1	70	80	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.1	2
356	40	126	107	5.1	70	80	0.95	1	3	3	4	8	Flake, tertiary terminal frag, chert, dk. gray		
356	40	126	107	5.1	70	80	0.95	5	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		

356	40	126	107	5.1	70	80	0.95	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.6	3
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	3
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	4
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	3
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	4
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
356	40	126	107	5.1	70	80	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.9	3
356	**40**	**126**	**107**	**5.1**	**70**	**80**	**0.95**	**1**	**6**	**3**	**1**	**4**	**Point, tip frag, rhyolite, brown**		
356	40	126	107	5.1	70	80	0.95	1	25		14	0	Raw material, conglomerate, pink		
356	40	126	107	5.1	70	80	0.95	1	25		1	4	Raw material, rhyolite, brown		
356	40	126	107	5.1	70	80	0.95	2	25		1	4	Raw material, rhyolite, red/brown		
357	40	126	107	5.2	80	85	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.7	2
357	40	126	107	5.2	80	85	0.95	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
357	40	126	107	5.2	80	85	0.95	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
357	40	126	107	5.2	80	85	0.95	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
357	40	126	107	5.2	80	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	4
357	40	126	107	5.2	80	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.9	4
357	40	126	107	5.2	80	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	3
358	2	126	108	2.2	20	30	0.91	1	2.1	4	2	2	Flake, secondary unsp, whole, quartz, white	32.3	5
359	2	126	108	3.1	50	60	0.91	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
359	2	126	108	3.1	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
360	2	126	108	3.2	60	70	0.91	1	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
360	2	126	108	3.2	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6	2
360	2	126	108	3.2	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	2
360	2	126	108	3.2	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	11.6	3
360	2	126	108	3.2	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	2
360	2	126	108	3.2	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.7	3
360	2	126	108	3.2	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.4	3
360	2	126	108	3.2	60	70	0.91	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
360	2	126	108	3.2	60	70	0.91	1	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray		
360	2	126	108	3.2	60	70	0.91	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
360	2	126	108	3.2	60	70	0.91	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
360	2	126	108	3.2	60	70	0.91	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
360	2	126	108	3.2	60	70	0.91	1	3.1	1	1	7	Flake, tertiary unsp, platform frag, rhyolite, gray		
360	2	126	108	3.2	60	70	0.91	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
360	2	126	108	3.2	60	70	0.91	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	6.1	3
360	2	126	108	3.2	60	70	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	5
360	2	126	108	3.2	60	70	0.91	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	10	4
360	2	126	108	3.2	60	70	0.91	2	25		1	0	Raw material, rhyolite, red/gray		
361	2	126	108	3.3	70	80	0.91	1	1	6	2	2	Flake, primary chunk, quartz, white/red		
361	2	126	108	3.3	70	80	0.91	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	6	2
361	2	126	108	3.3	70	80	0.91	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	4.7	2
361	2	126	108	3.3	70	80	0.91	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	6	2
361	2	126	108	3.3	70	80	0.91	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	8.8	3
361	2	126	108	3.3	70	80	0.91	1	3.2	4	1	7	Flake, tertiary bif thin, whole, rhyolite, gray	2.3	2
361	2	126	108	3.3	70	80	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.8	2
361	2	126	108	3.3	70	80	0.91	1	3	6	1	7	Flake, tertiary chunk, rhyolite, gray		
361	2	126	108	3.3	70	80	0.91	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
361	2	126	108	3.3	70	80	0.91	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
361	2	126	108	3.3	70	80	0.91	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	12.9	4
361	2	126	108	3.3	70	80	0.91	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	4.5	2
361	2	126	108	3.3	70	80	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.7	5
361	2	126	108	3.3	70	80	0.91	1	25		14	0	Raw material, conglomerate, pink		
361	2	126	108	3.3	70	80	0.91	1	4	5	2	2	Utilized flake, tertiary shatter, quartz, white		
361	2	126	108	3.3	70	80	0.91	1	4	5	2	2	Utilized flake, tertiary shatter, quartz, white		
362	31	126	109	1.2	10	20	0.92	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
362	31	126	109	1.2	10	20	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	3
363	31	126	109	2.3	40	50	0.92	1	3.1	4	4	7	Flake, tertiary unsp, whole, chert, gray	5.1	3
363	31	126	109	2.3	40	50	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
363	31	126	109	2.3	40	50	0.92	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	10.9	3
364	31	126	109	2.4	50	60	0.92	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
364	31	126	109	2.4	50	60	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.5	4
364	31	126	109	2.4	50	60	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	3

365	31	126	109	3.1	60	70	0.92	2	8		2	0	FCR(possible), quartz, red/white		
365	31	126	109	3.1	60	70	0.92	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
365	31	126	109	3.1	60	70	0.92	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	12.7	4
365	31	126	109	3.1	60	70	0.92	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	12.8	4
365	31	126	109	3.1	60	70	0.92	1	3	3	1	7	Flake, tertiary terminal frag, rhyolite, gray		
365	31	126	109	3.1	60	70	0.92	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
365	31	126	109	3.1	60	70	0.92	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown		
365	31	126	109	3.1	60	70	0.92	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
365	31	126	109	3.1	60	70	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.8	3
365	31	126	109	3.1	60	70	0.92	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.9	3
365	31	126	109	3.1	60	70	0.92	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	5.5	3
365	31	126	109	3.1	60	70	0.92	1	25		1	6	Raw material, rhyolite, lt. gray		
366	31	126	109	3.2	70	80	0.92	1	7		1	6	Core, rhyolite, lt. gray		
366	31	126	109	3.2	70	80	0.92	4	8		2	0	FCR(possible), quartz, white/red		
366	31	126	109	3.2	70	80	0.92	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
366	31	126	109	3.2	70	80	0.92	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
366	31	126	109	3.2	70	80	0.92	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
366	31	126	109	3.2	70	80	0.92	1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
366	31	126	109	3.2	70	80	0.92	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
366	31	126	109	3.2	70	80	0.92	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
366	31	126	109	3.2	70	80	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.8	4
366	31	126	109	3.2	70	80	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	3
366	31	126	109	3.2	70	80	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	3
366	31	126	109	3.2	70	80	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	3
366	31	126	109	3.2	70	80	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.1	2
366	31	126	109	3.2	70	80	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.7	2
366	31	126	109	3.2	70	80	0.92	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
366	31	126	109	3.2	70	80	0.92	1	25		2	4	River cobble, quartz, brown		
366	31	126	109	3.2	70	80	0.92	1	4	5	1	6	Utilized flake, tertiary shatter, rhyolite, lt. gray		
367	31	126	109	4.1	80	90	0.92	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
367	31	126	109	4.1	80	90	0.92	2	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
367	31	126	109	4.1	80	90	0.92	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	9	3
367	31	126	109	4.1	80	90	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
367	31	126	109	4.1	80	90	0.92	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.4	3
368	8	126	110	1.1	0	10	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, chert, gray	4.1	2
368	8	126	110	1.1	0	10	0.91	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	4.2	3
369	8	126	110	1.2	10	20	0.91	1	2.2	4	4	16	Flake, secondary bif thin, whole, chert, purplish black	10.9	4
369	8	126	110	1.2	10	20	0.91	1	2.2	4	4	16	Flake, secondary bif thin, whole, chert, purplish black	3.7	2
369	8	126	110	1.2	10	20	0.91	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	3.6	3
369	8	126	110	1.2	10	20	0.91	2	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
369	8	126	110	1.2	10	20	0.91	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
369	8	126	110	1.2	10	20	0.91	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
369	8	126	110	1.2	10	20	0.91	1	3	3	1	16	Flake, tertiary terminal frag, rhyolite, purplish black		
369	8	126	110	1.2	10	20	0.91	1	3.1	1	4	16	Flake, tertiary unsp, platform frag, chert, purplish black		
369	8	126	110	1.2	10	20	0.91	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.6	3
369	8	126	110	1.2	10	20	0.91	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	8.2	3
370	8	126	110	2.3	40	50	0.91	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
370	8	126	110	2.3	40	50	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	5
371	8	126	110	2.4	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
371	8	126	110	2.4	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.3	4
371	8	126	110	2.4	50	60	0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
372	8	126	110	3.1	60	70	0.91	2	8		2	0	FCR, quartz, red		
372	8	126	110	3.1	60	70	0.91	1	2.1	4	3	0	Flake, secondary unsp, whole, quartzite, red	7.5	2
372	8	126	110	3.1	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	15.3	4
372	8	126	110	3.1	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.2	3
372	8	126	110	3.1	60	70	0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.7	2
372	8	126	110	3.1	60	70	0.91	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	8.9	3
372	8	126	110	3.1	60	70	0.91	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6.2	2
372	8	126	110	3.1	60	70	0.91	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	9.3	3
372	8	126	110	3.1	60	70	0.91	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
372	8	126	110	3.1	60	70	0.91	1	3	5	2	1	Flake, tertiary shatter, quartz, crystal		

372	8	126	110	3.1	60	70		0.91	2	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
372	8	126	110	3.1	60	70		0.91	2	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
372	8	126	110	3.1	60	70		0.91	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
372	8	126	110	3.1	60	70		0.91	1	3	3	1	0	Flake, tertiary terminal frag, rhyolite, pink		
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	4
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	4
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.2	4
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	2
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	2
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.7	2
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.1	2
372	8	126	110	3.1	60	70		0.91	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.3	3
373	8	126	110	3.2	70	80		0.91	1	8		2	0	FCR, quartz, red		
373	8	126	110	3.2	70	80		0.91	1	2	6	1	18	Flake, secondary chunk, rhyolite, reddish brown		
373	8	126	110	3.2	70	80		0.91	2	2	5	1	18	Flake, secondary shatter, rhyolite, reddish brown		
373	8	126	110	3.2	70	80		0.91	1	2.1	4	2	2	Flake, secondary unsp, whole, quartz, white/red	14.8	4
373	8	126	110	3.2	70	80		0.91	1	2.1	4	1	18	Flake, secondary unsp, whole, rhyolite, reddish brown	56.6	5
373	8	126	110	3.2	70	80		0.91	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	7.3	3
373	8	126	110	3.2	70	80		0.91	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	4.8	3
373	8	126	110	3.2	70	80		0.91	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.8	3
373	8	126	110	3.2	70	80		0.91	2	3	6	2	2	Flake, tertiary chunk, quartz, white		
373	8	126	110	3.2	70	80		0.91	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
373	8	126	110	3.2	70	80		0.91	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
373	8	126	110	3.2	70	80		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	34.6	5
373	8	126	110	3.2	70	80		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	4
373	8	126	110	3.2	70	80		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	4
373	8	126	110	3.2	70	80		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5	2
373	8	126	110	3.2					1	6		1		Point, rhyolite		
373	**8**	**126**	**110**	**3.2**	**70**	**80**		**0.91**	**1**	**6**	**3**	**1**	**9**	**Point, tip frag, rhyolite, green**		
373	8	126	110	3.2	70	80		0.91	1	25		1	0	Raw material, rhyolite, red		
374	8	126	110	4.1	80	85		0.91	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	5
375	8	126	110		80	80	2	0.91	3	8		2	2	FCR(possible), quartz, white/red		
375	8	126	110		80	80	2	0.91	1	25		1	0	Raw material (battered cobble), rhyolite, red/gray		
376	47	127	94	1.2	10	20		0.89	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.6	4
376	47	127	94	1.2	10	20		0.89	1	2	5	4	16	Flake, secondary shatter, chert, purplish black		
376	47	127	94	1.2	10	20		0.89	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3.9	4
376	47	127	94	1.2	10	20		0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	2
376	47	127	94	1.2	10	20		0.89	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	6.8	4
376	47	127	94	1.2	10	20		0.89	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	4.5	2
376	47	127	94	1.2	10	20		0.89	1	3	2	1	11	Flake, tertiary medial frag, rhyolite, black		
376	47	127	94	1.2	10	20		0.89	1	3	2	1	4	Flake, tertiary medial frag, rhyolite, brown		
376	47	127	94	1.2	10	20		0.89	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
376	47	127	94	1.2	10	20		0.89	2	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
376	47	127	94	1.2	10	20		0.89	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
376	47	127	94	1.2	10	20		0.89	1	3	3	1	16	Flake, tertiary terminal frag, rhyolite, purplish black		
376	47	127	94	1.2	10	20		0.89	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	7	4
376	47	127	94	1.2	10	20		0.89	1	3.1	4	1	16	Flake, tertiary unsp, whole, rhyolite, purplish black	5.1	2
376	47	127	94	1.2	10	20		0.89	2	25		2	3	Raw material, quartz, tan		
376	47	127	94	1.2	10	20		0.89	2	25			4	Raw material, unidentified, brown		
376	47	127	94	1.2	10	20		0.89	1	9		4		Sherdlet, sand temper, eroded surface		
377	47	127	94	1.3	20	30		0.89	1	1.1	4	1	16	Flake, primary unsp, whole, rhyolite, purplish black	6	4
377	47	127	94	1.3	20	30		0.89	1	1.1	4	1	16	Flake, primary unsp, whole, rhyolite, purplish black	4.3	3
377	47	127	94	1.3	20	30		0.89	1	2.2	4	1	16	Flake, secondary bif thin, whole, rhyolite, purplish black	3.9	2
377	47	127	94	1.3	20	30		0.89	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	10.3	4
377	47	127	94	1.3	20	30		0.89	1	3.2	4	1	16	Flake, tertiary bif thin, whole, rhyolite, purplish black	5.6	2
377	47	127	94	1.3	20	30		0.89	1	3.2	4	1	16	Flake, tertiary bif thin, whole, rhyolite, purplish black	4.1	3
377	47	127	94	1.3	20	30		0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
377	47	127	94	1.3	20	30		0.89	1	3	3	4	6	Flake, tertiary terminal frag, chert, lt. gray		

377	47	127	94	1.3	20	30	0.89	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	5.3	2
377	47	127	94	1.3	20	30	0.89	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	3.8	3
377	47	127	94	1.3	20	30	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	3
377	47	127	94	1.3	20	30	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	2
377	47	127	94	1.3	20	30	0.89	1	25		26	7	Graphite, gray		
377	47	127	94	1.3	20	30	0.89	1	25		14	0	Raw material, conglomerate, pink		
377	47	127	94	1.3	20	30	0.89	1	25		2	3	Raw material, quartz, tan		
377	47	127	94	1.3	20	30	0.89	1	25		3	4	River cobble, quartzite, brown		
378	47	127	94	2.1	30	40	0.89	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
378	47	127	94	2.1	30	40	0.89	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	4.5	4
379	47	127	94	2.2	40	50	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.7	2
380	47	127	94	3.1	50	60	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.3	2
380	47	127	94	3.1	50	60	0.89	1	3	6	1	4	Flake, tertiary chunk, rhyolite, brown/gray		
380	47	127	94	3.1	50	60	0.89	1	3	2	1	17	Flake, tertiary medial frag, rhyolite, bluish gray		
380	47	127	94	3.1	50	60	0.89	2	3	5	2	2	Flake, tertiary shatter, quartz, white		
380	47	127	94	3.1	50	60	0.89	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
380	47	127	94	3.1	50	60	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.9	5
381	47	127	94	3.2	60	70	0.89	1	8		2	0	FCR, quartz, red		
381	47	127	94	3.2	60	70	0.89	1	1	6	1	0	Flake, primary chunk, rhyolite, red/gray		
381	47	127	94	3.2	60	70	0.89	1	1	5	2	3	Flake, primary shatter, quartz, tan		
381	47	127	94	3.2	60	70	0.89	2	1	5	1	18	Flake, primary shatter, rhyolite, reddish brown		
381	47	127	94	3.2	60	70	0.89	1	2	5	2	0	Flake, secondary shatter, quartz, pink/white		
381	47	127	94	3.2	60	70	0.89	1	2	5	1	18	Flake, secondary shatter, rhyolite, reddish brown		
381	47	127	94	3.2	60	70	0.89	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
381	47	127	94	3.2	60	70	0.89	1	3.2	1	1	9	Flake, tertiary bif thin, platform frag, rhyolite, green		
381	47	127	94	3.2	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	3
381	47	127	94	3.2	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	3
381	47	127	94	3.2	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
381	47	127	94	3.2	60	70	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
381	47	127	94	3.2	60	70	0.89	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
381	47	127	94	3.2	60	70	0.89	1	3	6	1	4	Flake, tertiary chunk, rhyolite, lt. brown/red		
381	47	127	94	3.2	60	70	0.89	1	3	6	1	0	Flake, tertiary chunk, rhyolite, red/gray		
381	47	127	94	3.2	60	70	0.89	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
381	47	127	94	3.2	60	70	0.89	1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
381	47	127	94	3.2	60	70	0.89	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
381	47	127	94	3.2	60	70	0.89	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, brown		
381	47	127	94	3.2	60	70	0.89	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
381	47	127	94	3.2	60	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
381	47	127	94	3.2	60	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	3
381	47	127	94	3.2	60	70	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	4
381	47	127	94	3.2	60	70	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	8.1	4
381	47	127	94	3.2	60	70	0.89	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	7.9	4
382	47	127	94	3.3	70	80	0.89	4	8		2	2	FCR(possible), quartz, white/red		
382	47	127	94	3.3	70	80	0.89	1	1	5	1	4	Flake, primary shatter, rhyolite, brown		
382	47	127	94	3.3	70	80	0.89	1	2	5	1	4	Flake, secondary shatter, rhyolite, brown		
382	47	127	94	3.3	70	80	0.89	1	3.2	4	1	17	Flake, tertiary bif thin, whole, rhyolite, bluish gray	6.9	2
382	47	127	94	3.3	70	80	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.4	4
382	47	127	94	3.3	70	80	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	2
382	47	127	94	3.3	70	80	0.89	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
382	47	127	94	3.3	70	80	0.89	3	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
382	47	127	94	3.3	70	80	0.89	4	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
382	47	127	94	3.3	70	80	0.89	2	3	3	1	4	Flake, tertiary terminal frag, rhyolite, brown		
382	47	127	94	3.3	70	80	0.89	9	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
382	47	127	94	3.3	70	80	0.89	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
382	47	127	94	3.3	70	80	0.89	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	9.3	3
382	47	127	94	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	4
382	47	127	94	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	5
382	47	127	94	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	4
382	47	127	94	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.4	4
382	47	127	94	3.3	70	80	0.89	1	25		14	0	Raw material(battered cobble frag), conglomerate, pink		
382	47	127	94	3.3	70	80	0.89	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
383	47	127	94	3.4	80	90	0.89	3	23		23		Charcoal, nut frags, 0.3g		

383	47	127	94	3.4	80	90	0.89	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	3
383	47	127	94	3.4	80	90	0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
383	47	127	94	3.4	80	90	0.89	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
383	47	127	94	3.4	80	90	0.89	1	3	5	1	0	Flake, tertiary shatter, rhyolite, red/gray		
383	47	127	94	3.4	80	90	0.89	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, brown		
383	47	127	94	3.4	80	90	0.89	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
383	47	127	94	3.4	80	90	0.89	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
383	47	127	94	3.4	80	90	0.89	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan	14.9	4
383	47	127	94	3.4	80	90	0.89	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.5	2
383	47	127	94	3.4	80	90	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	3
384	46	127	95	1.2	10	20	0.89	1	8		2	0	FCR, quartz, red/gray		
384	46	127	95	1.2	10	20	0.89	1	1	2	1	16	Flake, primary medial frag, rhyolite, purplish black		
384	46	127	95	1.2	10	20	0.89	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
384	46	127	95	1.2	10	20	0.89	1	2.1	4	1	11	Flake, secondary unsp, whole, rhyolite, black	13.4	4
384	46	127	95	1.2	10	20	0.89	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
384	46	127	95	1.2	10	20	0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
384	46	127	95	1.2	10	20	0.89	1	3	3	4	6	Flake, tertiary terminal frag, chert, lt. gray		
384	46	127	95	1.2	10	20	0.89	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	8.7	4
384	46	127	95	1.2	10	20	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	3
384	46	127	95	1.2	10	20	0.89	1	3.1	4	1	16	Flake, tertiary unsp, whole, rhyolite, purplish black	3.4	2
385	46	127	95	1.3	20	30	0.89	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
385	46	127	95	1.3	20	30	0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
385	46	127	95	1.3	20	30	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
385	46	127	95	1.3	20	30	0.89	1	25		2	3	Raw material, quartz, tan		
386	46	127	95	2.1	30	40	0.89	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
386	46	127	95	2.1	30	40	0.89	1	25		2	2	Raw material, quartz, white		
387	46	127	95	3.2	60	70	0.89	1	8		2	0	FCR, quartz, red/white		
387	46	127	95	3.2	60	70	0.89	1	1.1	1	1	18	Flake, primary unsp, platform frag, rhyolite, reddish brown		
387	46	127	95	3.2	60	70	0.89	1	3	6	1	17	Flake, tertiary chunk, rhyolite, bluish gray		
387	46	127	95	3.2	60	70	0.89	1	3	6	1	4	Flake, tertiary chunk, rhyolite, brown		
387	46	127	95	3.2	60	70	0.89	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
387	46	127	95	3.2	60	70	0.89	1	25		2	2	Raw material, quartz, white		
388	46	127	95	3.3	70	80	0.89	5	8		2	0	FCR(possible), quartz, red/white/gray		
388	46	127	95	3.3	70	80	0.89	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	8.7	3
388	46	127	95	3.3	70	80	0.89	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
388	46	127	95	3.3	70	80	0.89	1	3	6	1	4	Flake, tertiary chunk, rhyolite, brown		
388	46	127	95	3.3	70	80	0.89	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
388	46	127	95	3.3	70	80	0.89	1	3	5	2	0	Flake, tertiary shatter, quartz, red/white		
388	46	127	95	3.3	70	80	0.89	1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
388	46	127	95	3.3	70	80	0.89	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
388	46	127	95	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.7	5
388	46	127	95	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.5	5
388	46	127	95	3.3	70	80	0.89	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.6	3
389	42	127	96	1.2	10	20	0.88	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
389	42	127	96	1.2	10	20	0.88	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	4	3
389	42	127	96	1.2	10	20	0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	3.1	3
389	42	127	96	1.2	10	20	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	7.7	3
389	42	127	96	1.2	10	20	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	2.8	2
389	42	127	96	1.2	10	20	0.88	1	3	2	4	7	Flake, tertiary medial frag, chert, gray		
389	42	127	96	1.2	10	20	0.88	2	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
389	42	127	96	1.2	10	20	0.88	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
389	42	127	96	1.2	10	20	0.88	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
389	42	127	96	1.2	10	20	0.88	2	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
389	42	127	96	1.2	10	20	0.88	1	3.1	1	2	1	Flake, tertiary unsp, platform frag, quartz, crystal		
389	42	127	96	1.2	10	20	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	3.1	2
389	42	127	96	1.2	10	20	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.7	3
389	42	127	96	1.2	10	20	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	3
389	42	127	96	1.2	10	20	0.88	1	3.1	4	1	16	Flake, tertiary unsp, whole, rhyolite, purplish black	5.3	2
389	42	127	96	1.2				1	6		1		Point, rhyolite		
390	42	127	96	2.1	20	30	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		

390	42	127	96	2.1	20	30	0.88	2	25		1	20	Raw material (battered cobble), rhyolite, gray coarse	
391	42	127	96	2.2	30	40	0.88	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green	
391	42	127	96	2.2	30	40	0.88	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green	
391	42	127	96	2.2	30	40	0.88	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	4.3	2
392	42	127	96	3.1	56	66	0.88	2	8		2	0	FCR(possible), quartz, red/white	
392	42	127	96	3.1	56	66	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	4.6	3
392	42	127	96	3.1	56	66	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.1	3
392	42	127	96	3.1	56	66	0.88	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white	
392	42	127	96	3.1	56	66	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
392	42	127	96	3.1	56	66	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	4
392	42	127	96	3.1	56	66	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
392	42	127	96	3.1	56	66	0.88	1				0	Ochre, orange	
393	42	127	96	3.2	66	76	0.88	1	1	5	1	0	Flake, primary shatter, rhyolite, red/gray	
393	42	127	96	3.2	66	76	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green	
393	42	127	96	3.2	66	76	0.88	1	3	5	2	0	Flake, tertiary shatter, quartz, red	
393	42	127	96	3.2	66	76	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green	
393	42	127	96	3.2	66	76	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
393	42	127	96	3.2	66	76	0.88	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green	
393	42	127	96	3.2	66	76	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.8	4
393	42	127	96	3.2	66	76	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	4
393	42	127	96	3.2	66	76	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	3
393	42	127	96	3.2	66	76	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
393	42	127	96	3.2	66	76	0.88	4	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized	
393	42	127	96	3.2	66	76	0.88	2	25		1	18	Raw material, rhyolite, reddish brown	
394	42	127	96	3.3	76	82	0.88	1	2	6	1	7	Flake, secondary chunk, rhyolite, gray	
394	42	127	96	3.3	76	82	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.1	2
394	42	127	96	3.3	76	82	0.88	1	3	5	1	0	Flake, tertiary shatter, rhyolite, red/gray	
394	42	127	96	3.3	76	82	0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
394	42	127	96	3.3	76	82	0.88	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, lt. brown	
394	42	127	96	3.3	76	82	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	4
394	42	127	96	3.3	76	82	0.88	1	25		14	0	Raw material, conglomerate, pink	
394	42	127	96	3.3	76	82	0.88	1	25		2	2	Raw material, quartz, white	
394	42	127	96	3.3	76	82	0.88	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized	
394	42	127	96	3.3	76	82	0.88	1	25		1	0	Raw material, rhyolite, red/brown	
395	42	127	96	3.4	82	90	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	4
396	32	127	102	1.2	10	20	0.94	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.2	3
396	32	127	102	1.2	10	20	0.94	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	2.9	3
396	32	127	102	1.2	10	20	0.94	1	3.2	4	1	16	Flake, tertiary bif thin, whole, rhyolite, purplish black	2.7	3
396	32	127	102	1.2	10	20	0.94	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green	
396	32	127	102	1.2	10	20	0.94	1	3	2	1	16	Flake, tertiary medial frag, rhyolite, purplish black	
396	32	127	102	1.2	10	20	0.94	1	3	5	1	16	Flake, tertiary shatter, rhyolite, purplish black	
396	32	127	102	1.2	10	20	0.94	3	3	3	1	16	Flake, tertiary terminal frag, rhyolite, purplish black	
396	32	127	102	1.2	10	20	0.94	1	3.1	1	1	17	Flake, tertiary unsp, platform frag, rhyolite, bluish gray	
397	32	127	102	1.3	20	30	0.94	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5	4
397	32	127	102	1.3	20	30	0.94	1	2.1	4	2	0	Flake, secondary unsp, whole, quartz, red/white	13.5	5
397	32	127	102	1.3	20	30	0.94	1	3	2	1	11	Flake, tertiary medial frag, rhyolite, black	
397	32	127	102	1.3	20	30	0.94	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
397	32	127	102	1.3	20	30	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
397	32	127	102	1.3	20	30	0.94	1	25		1	18	Raw material, rhyolite, reddish brown	
398	32	127	102	1.4	30	40	0.94	1	1	2	1	9	Flake, primary medial frag, rhyolite, green	
398	32	127	102	1.4	30	40	0.94	1	3	5	2	2	Flake, tertiary shatter, quartz, white	
398	32	127	102	1.4	30	40	0.94	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	6.2	3
399	32	127	102	2.1	50	60	0.94	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	6.3	3
399	32	127	102	2.1	50	60	0.94	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	13.2	4
399	32	127	102	2.1	50	60	0.94	2	3	6	1	0	Flake, tertiary chunk, rhyolite, red/brown	
399	32	127	102	2.1	50	60	0.94	1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown	
399	32	127	102	2.1	50	60	0.94	2	25		14	0	Raw material, conglomerate, pink/gray	
400	32	127	102	3.1	60	70	0.94	18	8		2	2	FCR(possible), quartz, white/red	
400	32	127	102	3.1	60	70	0.94	1	1	6	1	0	Flake, primary chunk, rhyolite, red/bluish gray	
400	32	127	102	3.1	60	70	0.94	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.4	3

400	32	127	102	3.1	60	70	0.94	1	2	6	1	18	Flake, secondary chunk, rhyolite, reddish brown		
400	32	127	102	3.1	60	70	0.94	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	22.7	5
400	32	127	102	3.1	60	70	0.94	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.6	2
400	32	127	102	3.1	60	70	0.94	1	3	6	1	18	Flake, tertiary chunk, rhyolite, reddish brown		
400	32	127	102	3.1	60	70	0.94	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
400	32	127	102	3.1	60	70	0.94	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
400	32	127	102	3.1	60	70	0.94	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
400	32	127	102	3.1	60	70	0.94	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
400	32	127	102	3.1	60	70	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28	5
400	32	127	102	3.1	60	70	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.3	5
400	32	127	102	3.1	60	70	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	4
400	32	127	102	3.1	60	70	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.8	3
400	32	127	102	3.1	60	70	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.6	5
400	32	127	102	3.1	60	70	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3
400	32	127	102	3.1	60	70	0.94	1	25		14	0	Raw material, conglomerate, pink		
400	32	127	102	3.1	60	70	0.94	2	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
401	32	127	102	3.3	80	90	0.94	1	8		2	0	FCR, quartz, red/white		
401	32	127	102	3.3	80	90	0.94	3	1	5	1	9	Flake, primary shatter, rhyolite, green		
401	32	127	102	3.3	80	90	0.94	1	1.1	1	1	6	Flake, primary unsp, platform frag, rhyolite, lt. gray		
401	32	127	102	3.3	80	90	0.94	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.5	3
401	32	127	102	3.3	80	90	0.94	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	14.8	4
401	32	127	102	3.3	80	90	0.94	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
401	32	127	102	3.3	80	90	0.94	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	4.5	4
401	32	127	102	3.3	80	90	0.94	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
401	32	127	102	3.3	80	90	0.94	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
401	32	127	102	3.3	80	90	0.94	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
401	32	127	102	3.3	80	90	0.94	1	3.1	4	2	3	Flake, tertiary unsp, whole, quartz, tan	6.3	2
401	32	127	102	3.3	80	90	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	5
401	32	127	102	3.3	80	90	0.94	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	37.3	5
401	32	127	102	3.3	80	90	0.94	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	6.5	4
401	32	127	102	3.3	80	90	0.94	1	25		2	7	Raw material, quartz, gray		
401	32	127	102	3.3	80	90	0.94	1	25		1	4	Raw material, rhyolite, brown		
402	34	127	104	1.3	20	30	0.96	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
403	34	127	104	2.2	40	50	0.96	1	0		3	4	Hammerstone, quartzite, brown		
403	34	127	104	2.2	40	50	0.96	1	0		3	4	Hammerstone, quartzite, brown		
404	34	127	104	2.3	50	60	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.9	5
405	34	127	104	3.1	60	70	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
405	34	127	104	3.1	60	70	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.3	3
405	34	127	104	3.1	60	70	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
406	34	127	104	4.1	70	80	0.96	1	8		2	0	FCR, quartz, red/white		
406	34	127	104	4.1	70	80	0.96	1	1	6	1	18	Flake, primary chunk, rhyolite, reddish brown		
406	34	127	104	4.1	70	80	0.96	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
406	34	127	104	4.1	70	80	0.96	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.7	3
406	34	127	104	4.1	70	80	0.96	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
406	34	127	104	4.1	70	80	0.96	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
406	34	127	104	4.1	70	80	0.96	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
406	34	127	104	4.1	70	80	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
406	34	127	104	4.1	70	80	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	3
406	34	127	104	4.1	70	80	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
406	34	127	104	4.1	70	80	0.96	1	25		14	0	Raw material, conglomerate, pink/white		
406	34	127	104	4.1	70	80	0.96	2	25			6	Raw material, gneiss(?), lt. gray		
406	34	127	104	4.1	70	80	0.96	1	25		2	2	Raw material, quartz, white		
406	34	127	104	4.1	70	80	0.96	1	25		1	6	Raw material, rhyolite(?), lt. gray		
406	34	127	104	4.1	70	80	0.96	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
407	34	127	104.8		70	80	0.96	1	7		1	9	Core, rhyolite, green		
407	34	127	104.8		70	80	0.96	1	7		1	9	Core, rhyolite, green		
408	34	127	104	5.1	80	90	0.96	3	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
408	34	127	104	5.1	80	90	0.96	1	1	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
408	34	127	104	5.1	80	90	0.96	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
408	34	127	104	5.1	80	90	0.96	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.6	3
409	41	127	105	1.2	10	20	1.01	1	2.1	4	1	16	Flake, secondary unsp, whole, purplish black	5.1	3
409	41	127	105	1.2	10	20	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3

410	41	127	105	2.1	20	30	1.01	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
410	*41*	*127*	*105*	*2.1*	*20*	*30*	*1.01*	*1*	*6*		*1*		*Point, rhyolite*		
410	41	127	105	2.1	20	30	1.01	1	6		1		Point, rhyolite		
411	41	127	105	2.2	30	40	1.01	1	3	3	4	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
412	41	127	105	2.3	40	50	1.01	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	4	2
413	41	127	105		50	56	1.01	1	3	6	2	7	Flake, tertiary chunk, quartz, gray		
413	41	127	105		50	56	1.01	1	3.1	4	2	0	Flake, tertiary unsp, whole, quartz, red/white	19.7	5
414	41	127	105	2.4	50	60	1.01	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
414	41	127	105	2.4	50	60	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	4
414	41	127	105	2.4	50	60	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.5	2
415	41	127	105	3.1	60	70	1.01	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
415	41	127	105	3.1	60	70	1.01	1	3	5	2	0	Flake, tertiary shatter, quartz, red		
415	41	127	105	3.1	60	70	1.01	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
415	41	127	105	3.1	60	70	1.01	1	3	3	1	4	Flake, tertiary terminal frag, rhyolite, green		
415	41	127	105	3.1	60	70	1.01	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	5.1	3
415	41	127	105	3.1	60	70	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	2
416	41	127	105	4.1	70	80	1.01	1	1	3	1	6	Flake, primary terminal frag, rhyolite, lt. gray		
416	41	127	105	4.1	70	80	1.01	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	4.8	2
416	41	127	105	4.1	70	80	1.01	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.6	4
416	41	127	105	4.1	70	80	1.01	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.3	2
416	41	127	105	4.1	70	80	1.01	1	3	2	1	17	Flake, tertiary medial frag, rhyolite, bluish gray		
416	41	127	105	4.1	70	80	1.01	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	21.3	5
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.6	3
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	14.4	4
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.6	4
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.3	4
416	41	127	105	4.1	70	80	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	4
416	41	127	105	4.1	70	80	1.01	1	0		2	0	Hammerstone, quartz, red		
416	41	127	105	4.1	70	80	1.01	1	0		2	0	Hammerstone, quartz, red		
417	41	127	105	5.1	80	90	1.01	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
417	41	127	105	5.1	80	90	1.01	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
417	41	127	105	5.1	80	90	1.01	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
417	41	127	105	5.1	80	90	1.01	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
417	41	127	105	5.1	80	90	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
417	41	127	105	5.1	80	90	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	2
417	41	127	105	5.1	80	90	1.01	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.9	2
417	41	127	105	5.1	80	90	1.01	1	6		1		Point, rhyolite		
417	41	127	105	5.1	80	90	1.01	1	25		2	7	Raw material, quartz, gray		
418	12	127	110	1.1	0	10	0.9	1	1	2	1	8	Flake, primary medial frag, rhyolite, dk. gray		
419	12	127	110	1.2	10	20	0.9	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
420	12	127	110	2.1	20	30	0.9	1	7		2	2	Core, quartz, white		
420	12	127	110	2.1	20	30	0.9	1	7		2	2	Core, quartz, white		
420	12	127	110	2.1	20	30	0.9	1	1.1	4	4	16	Flake, primary unsp, whole, chert, purplish black	6.4	3
420	12	127	110	2.1	20	30	0.9	1	2	3	4	7	Flake, secondary terminal frag, chert, gray		
420	12	127	110	2.1	20	30	0.9	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	8.2	5
420	12	127	110	2.1	20	30	0.9	1	2.1	4	1	16	Flake, secondary unsp, whole, chert, purplish black	9	4
420	12	127	110	2.1	20	30	0.9	1	3.2	4	1	16	Flake, tertiary bif thin, whole, rhyolite, purplish black	8.1	3
420	12	127	110	2.1	20	30	0.9	1	3	6	4	16	Flake, tertiary chunk, chert, purplish black		
420	12	127	110	2.1	20	30	0.9	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
420	12	127	110	2.1	20	30	0.9	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
420	12	127	110	2.1	20	30	0.9	2	3	3	4	16	Flake, tertiary terminal frag, chert, purplish black		
420	12	127	110	2.1	20	30	0.9	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
420	12	127	110	2.1	20	30	0.9	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4.5	3
420	12	127	110	2.1	20	30	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.1	3
421	12	127	110	2.3	40	50	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.1	5
422	12	127	110	2.4	50	60	0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.8	2
422	12	127	110	2.4	50	60	0.9	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	18.8	5
422	12	127	110	2.4	50	60	0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	2
423	12	127	110	3.1	60	70	0.9	1	3.2	4	1	17	Flake, tertiary bif thin, whole, rhyolite, bluish gray	5	3

423	12	127	110	3.1	60	70		0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	3
423	12	127	110	3.1	60	70		0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.5	2
423	12	127	110	3.1	60	70		0.9	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
423	12	127	110	3.1	60	70		0.9	1	3	2	1	17	Flake, tertiary medial frag, rhyolite, bluish gray		
423	12	127	110	3.1	60	70		0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	5.7	4
423	12	127	110	3.1	60	70		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.7	4
423	12	127	110	3.1	60	70		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	3
423	12	127	110	3.1	60	70		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.9	3
424	12	127	110	4.1	70	80		0.9	1	8		2	0	FCR, quartz, red/white		
424	12	127	110	4.1	70	80		0.9	2	1	6	1	0	Flake, primary chunk, rhyolite, red		
424	12	127	110	4.1	70	80		0.9	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	28.6	5
424	12	127	110	4.1	70	80		0.9	1	2	6	2	2	Flake, secondary chunk, quartz, white		
424	12	127	110	4.1	70	80		0.9	1	2	6	1	9	Flake, secondary chunk, rhyolite, green		
424	12	127	110	4.1	70	80		0.9	1	2	5	2	7	Flake, secondary shatter, quartz, gray/tan		
424	12	127	110	4.1	70	80		0.9	1	2	5	2	2	Flake, secondary shatter, quartz, white/red		
424	12	127	110	4.1	70	80		0.9	1	2.1	4	2	2	Flake, secondary unsp, whole, quartz, white	9.8	3
424	12	127	110	4.1	70	80		0.9	1	2.1	4	2	2	Flake, secondary unsp, whole, quartz, white	7.3	3
424	12	127	110	4.1	70	80		0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.1	3
424	12	127	110	4.1	70	80		0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.6	3
424	12	127	110	4.1	70	80		0.9	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
424	12	127	110	4.1	70	80		0.9	3	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
424	12	127	110	4.1	70	80		0.9	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
424	12	127	110	4.1	70	80		0.9	1	3	5	2	0	Flake, tertiary shatter, quartz, red		
424	12	127	110	4.1	70	80		0.9	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
424	12	127	110	4.1	70	80		0.9	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
424	12	127	110	4.1	70	80		0.9	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
424	12	127	110	4.1	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.4	5
424	12	127	110	4.1	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	3
424	12	127	110	4.1	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.5	4
424	12	127	110	4.1	70	80		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	4
424	12	127	110	4.1	70	80		0.9	1	6		1		Point, rhyolite		
424	12	127	110	4.1	70	80		0.9	1	25		1	9	Raw material, rhyolite, green		
425	12	127	110	4.2	80	86		0.9	1	6		1	4	Biface, rhyolite, brown		
425	**12**	**127**	**110**	**4.2**	**80**	**86**		**0.9**	**1**	**6**		**1**	**4**	**Biface, rhyolite, brown**		
425	12	127	110	4.2	80	86		0.9	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	37.7	5
425	12	127	110	4.2	80	86		0.9	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	7	Flake, tertiary unsp, whole, rhyolite, gray	10	4
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	3
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	3
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	3
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.4	2
425	12	127	110	4.2	80	86		0.9	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3
425	12	127	110	4.2	80	86		0.9	1	25		1	0	Raw material, rhyolite, red		
426	12	127	110		80	80	2	0.9	1	25		14	0	Raw material, conglomerate, pink		
426	12	127	110		80	80	2	0.9	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
427	12	127	110	5.1	86	91		0.9	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	7.6	4
428	59	128	96	4.2	60	70		0.88	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
428	59	128	96	4.2	60	70		0.88	1	2	6	1	9	Flake, secondary chunk, rhyolite, green		
428	59	128	96	4.2	60	70		0.88	2	2	5	1	9	Flake, secondary shatter, rhyolite, green		
428	59	128	96	4.2	60	70		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	3
428	59	128	96	4.2	60	70		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.1	3
428	59	128	96	4.2	60	70		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.5	2
428	59	128	96	4.2	60	70		0.88	2	3	6	1	4	Flake, tertiary chunk, rhyolite, brown		
428	59	128	96	4.2	60	70		0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
428	59	128	96	4.2	60	70		0.88	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
428	59	128	96	4.2	60	70		0.88	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
428	59	128	96	4.2	60	70		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.6	4
428	**59**	**128**	**96**	**4.2**	**60**	**70**		**0.88**	**1**	**6**	**1**	**1**	**9**	**Point, basal frag, rhyolite, green**		
428	59	128	96	4.2	60	70		0.88	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
429	59	128	96	5.1	70	80		0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13.5	4
429	59	128	96	5.1	70	80		0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.7	3
429	59	128	96	5.1	70	80		0.88	1	3	5	2	7	Flake, tertiary shatter, quartz, gray		
429	59	128	96	5.1	70	80		0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
429	59	128	96	5.1	70	80		0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.2	3
430	6	128	103	1.2	10	20		0.95	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	4.9	2

430	6	128	103	1.2	10	20	0.95	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
430	6	128	103	1.2	10	20	0.95	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	6.2	4
430	6	128	103	1.2	10	20	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.6	3
431	6	128	103	2.1	20	30	0.95	1	1.1	4	1	4	Flake, primary unsp, whole, rhyolite, brown	4.2	2
431	6	128	103	2.1	20	30	0.95	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.8	4
431	6	128	103	2.1	20	30	0.95	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	5.2	2
431	6	128	103	2.1	20	30	0.95	1	3	2	4	7	Flake, tertiary medial frag, chert, gray		
431	6	128	103	2.1	20	30	0.95	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
431	6	128	103	2.1	20	30	0.95	1	3.1	4	4	7	Flake, tertiary unsp, whole, chert, gray	3.2	2
431	6	128	103	2.1	20	30	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.3	3
431	6	128	103	2.1	20	30	0.95	1	25		1	9	Raw material, rhyolite, green		
432	6	128	103	2.2	30	40	0.95	1	8		2	0	FCR, quartz, red (possible battering on one end)		
432	6	128	103	2.2	30	40	0.95	1	1	5	1	7	Flake, primary shatter, rhyolite, gray		
432	6	128	103	2.2	30	40	0.95	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
432	6	128	103	2.2	30	40	0.95	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4.6	3
433	6	128	103	3.2	65	75	0.95	1	8		2	0	FCR, quartz, red		
433	6	128	103	3.2	65	75	0.95	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
434	6	128	103	4.1	75	85	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.8	2
434	6	128	103	4.1	75	85	0.95	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	2.7	2
434	6	128	103	4.1	75	85	0.95	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
434	6	128	103	4.1	75	85	0.95	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
434	6	128	103	4.1	75	85	0.95	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	17.3	5
435	6	128	103	4.2	85	95	0.95	1	2.1	1	1	7	Flake, secondary unsp, platform frag, rhyolite, gray		
435	6	128	103	4.2	85	95	0.95	1	2.1	4	1	4	Flake, secondary unsp, whole, rhyolite, brown	6.9	3
435	6	128	103	4.2	85	95	0.95	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.7	3
435	6	128	103	4.2	85	95	0.95	3	3	6	2	2	Flake, tertiary chunk, quartz, white		
435	6	128	103	4.2	85	95	0.95	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
435	6	128	103	4.2	85	95	0.95	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
435	6	128	103	4.2	85	95	0.95	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	10.1	3
436	16	129	95	1.2	10	20	0.88	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
436	16	129	95	1.2	10	20	0.88	1	2.1	4	4	7	Flake, secondary unsp, whole, chert, gray	4	3
436	16	129	95	1.2	10	20	0.88	1	3.2	4	1	4	Flake, tertairy bif thin, whole, rhyolite, brown	15.3	4
436	16	129	95	1.2	10	20	0.88	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	2.8	2
436	16	129	95	1.2	10	20	0.88	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	4.9	2
436	16	129	95	1.2	10	20	0.88	1	3.2	4	4	7	Flake, tertiary bif thin, whole, chert, gray	6.1	2
436	16	129	95	1.2	10	20	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	2.9	2
436	16	129	95	1.2	10	20	0.88	1	3	6	2	2	Flake, tertiary chunk, quartz, white		
436	16	129	95	1.2	10	20	0.88	2	3	5	2	3	Flake, tertiary shatter, quartz, tan		
436	16	129	95	1.2	10	20	0.88	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
436	16	129	95	1.2	10	20	0.88	1	3	3	4	9	Flake, tertiary terminal frag, chert, green		
436	16	129	95	1.2	10	20	0.88	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
436	16	129	95	1.2	10	20	0.88	1	3.1	4	4	7	Flake, tertiary unsp, whole, chert, gray	6.3	3
436	16	129	95	1.2	10	20	0.88	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	9.8	3
436	16	129	95	1.2	10	20	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.9	4
436	16	129	95	1.2	10	20	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
436	16	129	95	1.2	10	20	0.88	1					Historic, cut nail		
436	16	129	95	1.2	10	20	0.88	1	9		6		Sherdlet, sand temper, eroded surface		
437	16	129	95	2.1	20	30	0.88	1	3	5	2	7	Flake, tertiary shatter, quartz, gray/red		
438	16	129	95	2.2	30	40	0.88	1	7		2	7	Core, quartz, gray		
438	16	129	95	2.2	30	40	0.88	1	7		2	7	Core, quartz, gray		
438	16	129	95	2.2	30	40	0.88	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
438	16	129	95	2.2	30	40	0.88	1	2.2	4	4	9	Flake, secondary bif thin, whole, chert, green	4.3	3
438	16	129	95	2.2	30	40	0.88	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
438	16	129	95	2.2	30	40	0.88	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
438	16	129	95	2.2	30	40	0.88	1	3.2	4	4	8	Flake, tertiary bif thin, whole, chert, dk. gray	3.2	2
438	16	129	95	2.2	30	40	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	4.2	3
438	16	129	95	2.2	30	40	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	3.2	3
438	16	129	95	2.2	30	40	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	5	2
438	16	129	95	2.2	30	40	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, green	2.6	3
438	16	129	95	2.2	30	40	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.8	3
438	16	129	95	2.2	30	40	0.88	3	3	2	4	9	Flake, tertiary medial frag, chert, green		
438	16	129	95	2.2	30	40	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
438	16	129	95	2.2	30	40	0.88	1	3	5	2	1	Flake, tertiary shatter, quartz, crystal		
438	16	129	95	2.2	30	40	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
438	16	129	95	2.2	30	40	0.88	4	3	3	4	9	Flake, tertiary terminal frag, chert, green		
438	16	129	95	2.2	30	40	0.88	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		

438	16	129	95	2.2	30	40	0.88	2	25		14	0	Raw material, conglomerate, pink		
439	16	129	95	2.3	40	50	0.88	1	1.2	4	1	9	Flake, primary bif thin, whole, rhyolite, green	4.8	4
439	16	129	95	2.3	40	50	0.88	2	1	6	1	9	Flake, primary chunk, rhyolite, green		
439	16	129	95	2.3	40	50	0.88	1	1	3	4	9	Flake, primary terminal frag, chert, dk. green		
439	16	129	95	2.3	40	50	0.88	1	1	3	4	16	Flake, primary terminal frag, chert, purplish black		
439	16	129	95	2.3	40	50	0.88	1	1.1	4	4	11	Flake, primary unsp, whole, chert, black	5.2	3
439	16	129	95	2.3	40	50	0.88	1	2.2	4	4	9	Flake, secondary bif thin, whole, chert, dk. green	4.5	2
439	16	129	95	2.3	40	50	0.88	1	2	2	4	9	Flake, secondary medial frag, chert, dk. green		
439	16	129	95	2.3	40	50	0.88	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
439	16	129	95	2.3	40	50	0.88	2	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
439	16	129	95	2.3	40	50	0.88	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	9.1	3
439	16	129	95	2.3	40	50	0.88	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8	3
439	16	129	95	2.3	40	50	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	4.3	4
439	16	129	95	2.3	40	50	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	6.1	3
439	16	129	95	2.3	40	50	0.88	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	2.9	2
439	16	129	95	2.3	40	50	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.3	2
439	16	129	95	2.3	40	50	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.8	3
439	16	129	95	2.3	40	50	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5	3
439	16	129	95	2.3	40	50	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
439	16	129	95	2.3	40	50	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.2	2
439	16	129	95	2.3	40	50	0.88	1	3	6	2	1	Flake, tertiary chunk, quartz, crystal		
439	16	129	95	2.3	40	50	0.88	1	3	6	2	3	Flake, tertiary chunk, quartz, tan		
439	16	129	95	2.3	40	50	0.88	2	3	2	4	9	Flake, tertiary medial frag, chert, dk. green		
439	16	129	95	2.3	40	50	0.88	1	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
439	16	129	95	2.3	40	50	0.88	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
439	16	129	95	2.3	40	50	0.88	5	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
439	16	129	95	2.3	40	50	0.88	1	3	5	2	1	Flake, tertiary shatter, quartz, crystal		
439	16	129	95	2.3	40	50	0.88	1	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
439	16	129	95	2.3	40	50	0.88	4	3	3	4	9	Flake, tertiary terminal frag, chert, dk. green		
439	16	129	95	2.3	40	50	0.88	3	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
439	16	129	95	2.3	40	50	0.88	1	3.1	1	4	9	Flake, tertiary unsp, platform frag, chert, dk. green		
439	16	129	95	2.3	40	50	0.88	1	3.1	4	4	9	Flake, tertiary unsp, whole, chert, dk. green	5.2	2
439	16	129	95	2.3	40	50	0.88	1	3.1	4	4	6	Flake, tertiary unsp, whole, chert, lt. gray	3.9	3
439	16	129	95	2.3	40	50	0.88	1	3.1	4	4	16	Flake, tertiary unsp, whole, chert, purplish black	4.3	2
439	16	129	95	2.3	40	50	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	4
439	16	129	95	2.3	40	50	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	2.6	2
439	16	129	95	2.3	40	50	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.5	2
439	16	129	95	2.3	40	50	0.88	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.6	3
439	16	129	95	2.3	40	50	0.88	1	4	3	4	7	Utilized flake, tertiary terminal frag, chert, gray		
439	16	129	95	2.3	40	50	0.88	1	4	3	4	7	Utilized flake, tertiary terminal frag, chert, gray		
440	16	129	95	3.1	60	70	0.88	3	8		2	0	FCR, qaurtz, red/white		
440	16	129	95	3.1	60	70	0.88	1	3.2	4	1	17	Flake, tertiary bif thin, whole, rhyolite, bluish gray	4.2	2
440	16	129	95	3.1	60	70	0.88	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.7	3
440	16	129	95	3.1	60	70	0.88	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
441	18	131	89	1.2	10	20	0.87	1	6		1	20	Biface, rhyolite, gray coarse		
441	**18**	**131**	**89**	**1.2**	**10**	**20**	**0.87**	**1**	**6**		**1**	**20**	**Biface, rhyolite, gray coarse**		
441	18	131	89	1.2	10	20	0.87	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
441	18	131	89	1.2	10	20	0.87	1	2.2	4	1	20	Flake, secondary bif thin, whole, rhyolite, gray coarse	5.2	3
441	18	131	89	1.2	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.2	3
441	18	131	89	1.2	10	20	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.4	2
441	18	131	89	1.2	10	20	0.87	1	3	6	2	3	Flake, tertiary chunk, quartz, tan		
441	18	131	89	1.2	10	20	0.87	2	3	2	1	11	Flake, tertiary medial frag, rhyolite, black		
441	18	131	89	1.2	10	20	0.87	2	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
441	18	131	89	1.2	10	20	0.87	2	3	5	1	17	Flake, tertiary shatter, rhyolite, bluish gray		
441	18	131	89	1.2	10	20	0.87	2	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
441	18	131	89	1.2	10	20	0.87	2	3	3	4	19	Flake, tertiary terminal frag, chert, dk. purplish gray		
441	18	131	89	1.2	10	20	0.87	1	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
441	18	131	89	1.2	10	20	0.87	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
441	18	131	89	1.2	10	20	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
441	18	131	89	1.2	10	20	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	12.1	4

441	18	131	89	1.2	10	20	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	4.8	3
441	18	131	89	1.2	10	20	0.87	1	3.1	4	2	2	Flake, tertiary unsp, whole, quartz, white	4.1	3
441	18	131	89	1.2	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8	2
441	18	131	89	1.2	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.6	5
441	18	131	89	1.2	10	20	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	4
441	18	131	89	1.2	10	20	0.87	2	9		6		Sherdlet, sand temper, eroded surface		
442	18	131	89	2.1	20	30	0.87	1	1	6	2	7	Flake, primary chunk, quartz, gray		
442	18	131	89	2.1	20	30	0.87	1	1	6	4	4	Flake, primary chunk, rhyolite, brown/red		
442	18	131	89	2.1	20	30	0.87	1	1	5	4	19	Flake, primary shatter, chert, dk. purplish gray		
442	18	131	89	2.1	20	30	0.87	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
442	18	131	89	2.1	20	30	0.87	1	1	3	4	19	Flake, primary terminal frag, chert, dk. purplish gray		
442	18	131	89	2.1	20	30	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.1	3
442	18	131	89	2.1	20	30	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.3	3
442	18	131	89	2.1	20	30	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5.2	3
442	18	131	89	2.1	20	30	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	4.9	3
442	18	131	89	2.1	20	30	0.87	3	2	2	4	19	Flake, secondary medial frag, chert, dk. purplish gray		
442	18	131	89	2.1	20	30	0.87	1	2	5	2	2	Flake, secondary shatter, quartz, white		
442	18	131	89	2.1	20	30	0.87	2	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
442	18	131	89	2.1	20	30	0.87	1	2.1	4	4	19	Flake, secondary unsp, whole, chert, dk. purplish gray	7.8	5
442	18	131	89	2.1	20	30	0.87	1	2.1	4	4	19	Flake, secondary unsp, whole, chert, dk. purplish gray	6.6	4
442	18	131	89	2.1	20	30	0.87	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	13.7	5
442	18	131	89	2.1	20	30	0.87	1	3.2	1	4	8	Flake, teritary bif thin, platform frag, chert, dk. gray		
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	11	Flake, tertiary bif thin, whole, chert, black	6.7	4
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	5.7	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	7.4	3
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	12.9	3
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	9	Flake, tertiary bif thin, whole, chert, dk. green	3.3	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	5.3	4
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	6.3	3
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.7	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.9	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	4.2	3
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.2	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	4.3	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.6	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.8	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.9	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	2.7	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	2.9	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, brown	5.3	3
442	18	131	89	2.1	20	30	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	8.9	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	3
442	18	131	89	2.1	20	30	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4	2
442	18	131	89	2.1	20	30	0.87	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	4.1	2
442	18	131	89	2.1	20	30	0.87	2	3	6	2	3	Flake, tertiary chunk, quartz, tan		
442	18	131	89	2.1	20	30	0.87	1	3	6	1	20	Flake, tertiary chunk, rhyolite, gray coarse		
442	18	131	89	2.1	20	30	0.87	2	3	2	4	9	Flake, tertiary medial frag, chert, dk. green		
442	18	131	89	2.1	20	30	0.87	7	3	2	4	19	Flake, tertiary medial frag, chert, dk. purplish gray		

442	18	131	89	2.1	20	30	0.87	1	3	2	4	16	Flake, tertiary medial frag, chert, purplish black		
442	18	131	89	2.1	20	30	0.87	2	3	2	1	4	Flake, tertiary medial frag, rhyolite, lt. brown		
442	18	131	89	2.1	20	30	0.87	2	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
442	18	131	89	2.1	20	30	0.87	2	3	5	4	19	Flake, tertiary shatter, chert, dk. purplish gray		
442	18	131	89	2.1	20	30	0.87	1	3	5	2	7	Flake, tertiary shatter, quartz, gray		
442	18	131	89	2.1	20	30	0.87	2	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
442	18	131	89	2.1	20	30	0.87	5	3	3	4	19	Flake, tertiary terminal frag, chert, dk. purplish gray		
442	18	131	89	2.1	20	30	0.87	3	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
442	18	131	89	2.1	20	30	0.87	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
442	18	131	89	2.1	20	30	0.87	1	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
442	18	131	89	2.1	20	30	0.87	2	3.1	1	4	19	Flake, tertiary unps, platform frag, chert, dk. purplish gray		
442	18	131	89	2.1	20	30	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	8.3	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	8.7	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	11.6	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	7.4	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	6.3	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	3.2	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	4.7	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	4.3	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	6.7	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	2	1	Flake, tertiary unsp, whole, quartz, crystal	5.8	2
442	18	131	89	2.1	20	30	0.87	1	3.1	1	2	1	Flake, tertiary unsp, whole, quartz, crystal		
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	9	5
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	6.1	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	6.1	4
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	2	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.1	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
442	18	131	89	2.1	20	30	0.87	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, lt. brown	9.3	3
442	18	131	89	2.1	20	30	0.87	1	25		14	0	Raw material, conglomerate, pink		
442	18	131	89	2.1	20	30	0.87	2	25		2	3	Raw material, quartz, tan		
442	18	131	89	2.1	20	30	0.87	1	25		1	17	Raw material, rhyolite, bluish gray		
442	18	131	89	2.1	20	30	0.87	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
442	18	131	89	2.1	20	30	0.87	1	25		0	4	Raw material, sandstone, brown		
442	18	131	89	2.1	20	30	0.87	1	9		6		Sherdlet, sand temper, eroded surface		
442	18	131	89	2.1	20	30	0.87	1	4	5	1	9	Utilized flake, primary shatter, rhyolite, green		
442	18	131	89	2.1	20	30	0.87	1	4	5	1	9	Utilized flake, primary shatter, rhyolite, green		
443	18	131	89	2.2	30	40	0.87	1	1	6	1	9	Flake, primary chunk, rhyolite, green		
443	18	131	89	2.2	30	40	0.87	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	5	2
443	18	131	89	2.2	30	40	0.87	1	2	5	1	17	Flake, secondary shatter, rhyolite, bluish gray		
443	18	131	89	2.2	30	40	0.87	1	2	5	1	9	Flake, secondary shatter, rhyolite, green		
443	18	131	89	2.2	30	40	0.87	1	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
443	18	131	89	2.2	30	40	0.87	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
443	18	131	89	2.2	30	40	0.87	1	2.1	4	4	11	Flake, secondary unsp, whole, chert, black	8.6	5
443	18	131	89	2.2	30	40	0.87	1	2.1	4	4	19	Flake, secondary unsp, whole, chert, dk. purplish gray	6.9	3
443	18	131	89	2.2	30	40	0.87	1	2.1	4	4	19	Flake, secondary unsp, whole, chert, dk. purplish gray	8.8	5
443	18	131	89	2.2	30	40	0.87	1	2.1	4	4	16	Flake, secondary unsp, whole, chert, purplish black	5.1	3

443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	9.5	4
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	4.5	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	1.8	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	2.9	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.2	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	5.3	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.1	3
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	19	Flake, tertiary bif thin, whole, chert, dk. purplish gray	3.4	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	4	16	Flake, tertiary bif thin, whole, chert, purplish black	4	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.4	2
443	18	131	89	2.2	30	40	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.2	2
443	18	131	89	2.2	30	40	0.87	3	3	2	4	19	Flake, tertiary medial frag, chert, dk. purplish gray		
443	18	131	89	2.2	30	40	0.87	1	3	2	2	1	Flake, tertiary medial frag, quartz, crystal		
443	18	131	89	2.2	30	40	0.87	1	3	2	1	6	Flake, tertiary medial frag, rhyolite, lt. gray		
443	18	131	89	2.2	30	40	0.87	1	3	5	2	0	Flake, tertiary shatter, quartz, red		
443	18	131	89	2.2	30	40	0.87	2	3	5	1	17	Flake, tertiary shatter, rhyolite, bluish gray		
443	18	131	89	2.2	30	40	0.87	1	3	5	1	4	Flake, tertiary shatter, rhyolite, lt. brown		
443	18	131	89	2.2	30	40	0.87	7	3	3	4	19	Flake, tertiary terminal frag, chert, dk. purplish gray		
443	18	131	89	2.2	30	40	0.87	1	3	3	1	11	Flake, tertiary terminal frag, rhyolite, black		
443	18	131	89	2.2	30	40	0.87	2	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
443	18	131	89	2.2	30	40	0.87	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. purplish gray	3.4	2
443	18	131	89	2.2	30	40	0.87	1	3.1	4	4	8	Flake, tertiary unsp, whole, chert, dk. purplish gray	4.7	3
443	18	131	89	2.2	30	40	0.87	5	25		1	17	Raw material, rhyolite, bluish gray		
444	18	131	89	2.3	40	50	0.87	1	8		2	0	FCR, sandstone, red/brown		
444	18	131	89	2.3	40	50	0.87	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
444	18	131	89	2.3	40	50	0.87	1	3.2	4	4	6	Flake, tertiary bif thin, whole, chert, lt. gray	6.6	2
444	18	131	89	2.3	40	50	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	3
444	18	131	89	2.3	40	50	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	3.9	3
444	18	131	89	2.3	40	50	0.87	1	3	2	4	7	Flake, tertiary medial frag, chert, gray		
444	18	131	89	2.3	40	50	0.87	1	3	2	2	2	Flake, tertiary medial frag, quartz, white		
444	18	131	89	2.3	40	50	0.87	2	3	2	1	17	Flake, tertiary medial frag, rhyolite, bluish gray		
444	18	131	89	2.3	40	50	0.87	9	3	5	1	17	Flake, tertiary shatter, rhyolite, bluish gray		
444	18	131	89	2.3	40	50	0.87	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white		
444	18	131	89	2.3	40	50	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.3.	5
444	18	131	89	2.3	40	50	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	10.7	5
444	18	131	89	2.3	40	50	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	11	4
444	18	131	89	2.3	40	50	0.87	1	25		26	7	Graphite, gray		
444	18	131	89	2.3	40	50	0.87	6	25		1	17	Raw material, rhyolite, bluish gray		
445	18	131	89	2.4	50	57	0.87	1	6		1	9	Biface, rhyolite, green		
445	**18**	**131**	**89**	**2.4**	**50**	**57**	**0.87**	**1**	**6**		**1**	**9**	**Biface, rhyolite, green**		
445	18	131	89	2.4	50	57	0.87	1	8		2	2	FCR(possible), quartz, white/red		
445	18	131	89	2.4	50	57	0.87	1	1	5	1	9	Flake, primary shatter, rhyolite, green		
445	18	131	89	2.4	50	57	0.87	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
445	18	131	89	2.4	50	57	0.87	1	2.1	4	1	17	Flake, secondary unsp, whole, rhyolite, bluish gray	7	4
445	18	131	89	2.4	50	57	0.87	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.5	3
445	18	131	89	2.4	50	57	0.87	1	3	2	1	17	Flake, tertiary medial frag, rhyolite, bluish gray		
445	18	131	89	2.4	50	57	0.87	1	3	5	2	2	Flake, tertiary shatter, quartz, white		
445	18	131	89	2.4	50	57	0.87	16	3	5	1	17	Flake, tertiary shatter, rhyolite, bluish gray		
445	18	131	89	2.4	50	57	0.87	1	3.1	1	1	17	Flake, tertiary unsp, platform frag, rhyolite, bluish gray		
445	18	131	89	2.4	50	57	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	15.6	5
445	18	131	89	2.4	50	57	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	6.3	3
445	18	131	89	2.4	50	57	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	11.1	5

445	18	131	89	2.4	50	57	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	8.2	2
445	18	131	89	2.4	50	57	0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4	3
446	18	131	89	3.1	57	67	0.87	1	3	6	2	0	Flake, tertiary chunk, quartz, red/white		
446	18	131	89	3.1	57	67	0.87	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
446	18	131	89	3.1	57	67	0.87	2	3	5	1	17	Flake, tertiary shatter, rhyolite, bluish gray		
446	18	131	89	3.1	57	67	0.87	1	3	3	4	7	Flake, tertiary terminal frag, chert, gray		
446	18	131	89	3.1	57	67	0.87	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
446	18	131	89	3.1	57	67	0.87	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
446	18	131	89	3.1	57	67	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	21	5
447	18	131	89	3.2	67	77	0.87	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
447	18	131	89	3.2	67	77	0.87	1	3.1	4	1	17	Flake, tertiary unsp, whole, rhyolite, bluish gray	5	2
448	11	133	103	1.1	0	10	0.84	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	4
449	11	133	103	1.2	10	20	0.84	1	3.2	4	1	11	Flake, tertiary bif thin, whole, rhyolite, black	5.3	3
449	11	133	103	1.2	10	20	0.84	1	3	6	2	3	Flake, tertiary chunk, quartz, tan		
449	11	133	103	1.2	10	20	0.84	1	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
450	11	133	103	2.2	30	40	0.84	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.3	3
450	11	133	103	2.2	30	40	0.84	1	3	3	1	17	Flake, tertiary terminal frag, rhyolite, bluish gray		
450	11	133	103	2.2	30	40	0.84	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
451	11	UID Provenience						1	2	5	4	19	Flake, secondary shatter, chert, dk. purplish gray		
451	11	UID Provenience						3	3	5	1	17	Flake, tertiary shatter, rhyolite, bluish gray		
451	11	UID Provenience			Joel says. ..same as			1	3.1	4	4	19	Flake, tertiary unsp, whole, chert, dk. purplish gray	6.4	3
451	11	UID Provenience			bag 450			1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	7.5	3
452	30	137	103	1.2	10	20	0.97	1	1	6	2	2	Flake, primary chunk, quartz, white		
452	30	137	103	1.2	10	20	0.97	1	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
452	30	137	103	1.2	10	20	0.97	1	3	2	4	19	Flake, tertiary medial frag, chert, dk. purplish gray		
452	30	137	103	1.2	10	20	0.97	1	3	5	1	4	Flake, tertiary shatter, rhyolite, brown		
452	30	137	103	1.2	10	20	0.97	1	25		2	0	Raw material, quartz, red		
452	30	137	103	1.2	10	20	0.97	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
452	30	137	103	1.2	10	20	0.97	4	9		6		Sherdlet, sand temper, eroded surface		
453	30	137	103	2.1	20	30	0.97	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	9.5	4
453	30	137	103	2.1	20	30	0.97	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	8.7	3
453	30	137	103	2.1	20	30	0.97	1	3.1	4	1	11	Flake, tertiary unsp, whole, rhyolite, black	4	3
453	30	137	103	2.1	20	30	0.97	1	6		1		Point, rhyolite		
454	30	137	103	2.2	30	40	0.97	1	25		14	4	Raw material, conglomerate, brown		
455	30	137	103	4.1	60	70	0.97	1	3.1	4	1	4	Flake, tertiary unsp, whole, rhyolite, brown	6.8	3
455	30	137	103	4.1	60	70	0.97	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
455	30	137	103	4.1	60	70	0.97	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.9	2
455	30	137	103	4.1	60	70	0.97	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	3
456	30	137	103	5.1	70	80	0.97	2	8		2	0	FCR, quartz, red/white		
456	30	137	103	5.1	70	80	0.97	1	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray		
456	30	137	103	5.1	70	80	0.97	1	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
456	30	137	103	5.1	70	80	0.97	1	2	5	1	6	Flake, secondary shatter, rhyolite, lt. gray		
456	30	137	103	5.1	70	80	0.97	1	2.1	4	1	17	Flake, secondary unsp, whole, rhyolite, bluish gray	6.1	4
456	30	137	103	5.1	70	80	0.97	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.9	3
456	30	137	103	5.1	70	80	0.97	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
456	30	137	103	5.1	70	80	0.97	1	3	3	2	1	Flake, tertiary terminal frag, quartz, crystal		
456	30	137	103	5.1	70	80	0.97	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
456	30	137	103	5.1	70	80	0.97	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	5
456	30	137	103	5.1	70	80	0.97	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
457	30	137	103	5.2	80	90	0.97	2	1	5	1	9	Flake, primary shatter, rhyolite, green		

457	30	137	103	5.2	80	90		0.97	1	1	5	1	18	Flake, primary shatter, rhyolite, reddish brown	
457	30	137	103	5.2	80	90		0.97	1	2	5	1	9	Flake, secondary shatter, rhyolite, green	
457	30	137	103	5.2	80	90		0.97	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	12.9	4
457	30	137	103	5.2	80	90		0.97	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	34.5	5
457	30	137	103	5.2	80	90		0.97	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	19.8	5
457	30	137	103	5.2	80	90		0.97	1	3	6	1	9	Flake, tertiary chunk, rhyolite, green	
457	30	137	103	5.2	80	90		0.97	2	3	2	1	7	Flake, tertiary medial frag, rhyolite, gray	
457	30	137	103	5.2	80	90		0.97	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	2	8		2	0	FCR, quartz, red	
458	49	124	102	5.1	70	80		0.76	1	8		3	0	FCR, quartzite, red	
458	49	124	102	5.1	70	80		0.76	1	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray	
458	49	124	102	5.1	70	80		0.76	1	1	5	1	9	Flake, primary shatter, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	2	1	5	1	6	Flake, primary shatter, rhyolite, lt. gray	
458	49	124	102	5.1	70	80		0.76	3	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	26.8	5
458	49	124	102	5.1	70	80		0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	18.7	5
458	49	124	102	5.1	70	80		0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	17.4	5
458	49	124	102	5.1	70	80		0.76	1	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
458	49	124	102	5.1	70	80		0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	25.2	5
458	49	124	102	5.1	70	80		0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	26.6	5
458	49	124	102	5.1	70	80		0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	25.4	5
458	49	124	102	5.1	70	80		0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.7	4
458	49	124	102	5.1	70	80		0.76	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.7	3
458	49	124	102	5.1	70	80		0.76	1	3	6	1	0	Flake, tertiary chunk, rhyolite, red/gray	
458	49	124	102	5.1	70	80		0.76	5	3	2	1	9	Flake, tertiary medial frag, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse	
458	49	124	102	5.1	70	80		0.76	2	3	5	1	9	Flake, tertiary shatter, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	1	3	3	2	2	Flake, tertiary terminal frag, quartz, white	
458	49	124	102	5.1	70	80		0.76	4	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	5	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green	
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	12.3	5
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	8	Flake, tertiary unsp, whole, rhyolite, dk. gray	5.6	3
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	25.4	5
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	4
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3	2
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.2	3
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.8	2
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.7	4
458	49	124	102	5.1	70	80		0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.2	5
458	49	124	102	5.1	70	80		0.76	1	6		1		Point, rhyolite	
458	49	124	102	5.1	70	80		0.76	1	6		1		Point, rhyolite	
458	**49**	**124**	**102**	**5.1**	**70**	**80**		**0.76**	**1**	**6**	**3**	**1**	**9**	**Point, tip frag, rhyolite, green**	
458	49	124	102	5.1	70	80		0.76	1	25		14	0	Raw material, conglomerate(?), pink	
458	49	124	102	5.1	70	80		0.76	1	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized	
459	53-54			?	?	?	6	?	1	6		1	9	Biface, rhyolite, green	
459	**53-54**			**?**	**?**	**?**	**6**	0.76	**1**	**6**		**1**	**9**	**Biface, rhyolite, green**	
459	53-54			?	?	?	6	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	18.7	5
459	53-54			?	?	?	6	0.76	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	24.4	5
459	53-54			?	?	?	6	0.76	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	35.7	5
459	53-54			?	?	?	6	0.76	1	2.1	4	1	8	Flake, secondary unsp, whole, rhyolite, dk. gray	15	5
459	53-54			?	?	?	6	0.76	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.9	5
459	53-54			?	?	?	6	0.76	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	71.4	5
459	53-54			?	?	?	6	0.76	1	1	5	1	9	Flake, tertiary shatter, rhyolite, green	
459	53-54			?	?	?	6	0.76	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	

459	53-54			?	?	?	6	0.76	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.1	5
459	53-54			?	?	?	6	?	1	7		1	6	Tested cobble, rhyolite, lt. gray		
459	53-54			?	?	?	6	0.76	1	7		1	6	Tested cobble, rhyolite, lt. gray		
460	2	126	108	1.2	10	20		0.91	1	7		2	2	Core, quartz, white/tan		
460	2	126	108	1.2	10	20		0.91	1	7		2	2	Core, quartz, white/tan		
461	3	126	103				5	Float	1					Debitage, <1/4" in size, 3.2g		
461	3	126	103				5	Float	13	1	5	1	9	Flake, primary shatter, rhyolite, green		
461	3	126	103				5	Float	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	7.4	3
461	3	126	103				5	Float	9	2	5	1	9	Flake, secondary shatter, rhyolite, green		
461	3	126	103				5	Float	1	2	3	1	6	Flake, secondary terminal frag, rhyolite, lt. gray		
461	3	126	103				5	Float	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.7	5
461	3	126	103				5	Float	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	17.9	5
461	3	126	103				5	Float	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, brown	3.9	2
461	3	126	103				5	Float	1	3	2	1	8	Flake, tertiary medial frag, rhyolite, dk. gray		
461	3	126	103				5	Float	4	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
461	3	126	103				5	Float	57	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
461	3	126	103				5	Float	1	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
461	3	126	103				5	Float	1	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
461	3	126	103				5	Float	1	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
461	3	126	103				5	Float	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.3	2
461	3	126	103				5	Float	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.5	5
461	3	126	103				5	Float	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.8	5
461	3	126	103				5	Float	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	4
461	3	126	103				5	Float	1	2.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	14.2	4
461	3	126	103				5	Float	1	2.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	31.1	5
462	7	126	101	3.4	81	81		0.87	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
462	7	126	101	3.4	81	81		0.87	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.7	5
463	26	123	95	4.1	80	90			1	12		1	20	Abrader--more likely shovel scraped, rhyolite, gray coarse		
463	26	123	95	4.1	80	90		0.63	1	12		1	20	Abrader--more likely shovel scraped, rhyolite, gray coarse		
463	26	123	95	4.1	80	90		0.63	1	23		23		Charcoal, <0.1g		
463	26	123	95	4.1	80	90		0.63	2	7		3	4	Core frag, quartzite, brown		
463	26	123	95	4.1	80	90		0.63	19	1	6	1	9	Flake, primary chunk, rhyolite, green		
463	26	123	95	4.1	80	90		0.63	6	1	6	1	6	Flake, primary chunk, rhyolite, lt. gray		
463	26	123	95	4.1	80	90		0.63	2	1	5	2	4	Flake, primary shatter, quartz, brown		
463	26	123	95	4.1	80	90		0.63	6	1	5	3	4	Flake, primary shatter, quartzite, brown		
463	26	123	95	4.1	80	90		0.63	3	1	5	1	7	Flake, primary shatter, rhyolite, gray		
463	26	123	95	4.1	80	90		0.63	2	1	5	1	20	Flake, primary shatter, rhyolite, gray coarse		
463	26	123	95	4.1	80	90		0.63	25	1	5	1	9	Flake, primary shatter, rhyolite, green		
463	26	123	95	4.1	80	90		0.63	2	1	3	3	4	Flake, primary terminal frag, quartzite, brown		
463	26	123	95	4.1	80	90		0.63	6	1	3	1	9	Flake, primary terminal frag, rhyolite, green		
463	26	123	95	4.1	80	90		0.63	1	1.1	1	1	9	Flake, primary unsp, platform frag, rhyolite, green		
463	26	123	95	4.1	80	90		0.63	1	1.1	4	3	4	Flake, primary unsp, whole, quartzite, brown	18.4	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	3	4	Flake, primary unsp, whole, quartzite, brown	11.5	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	3	4	Flake, primary unsp, whole, quartzite, brown	4.5	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	3	4	Flake, primary unsp, whole, quartzite, brown	35.6	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	3	4	Flake, primary unsp, whole, quartzite, brown	8.6	3
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	20	Flake, primary unsp, whole, rhyolite, gray coarse	40.6	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	20	Flake, primary unsp, whole, rhyolite, gray coarse	43.6	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	38.2	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	9.7	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	9	Flake, primary unsp, whole, rhyolite, green	24.9	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	13.2	5
463	26	123	95	4.1	80	90		0.63	1	1.1	4	1	6	Flake, primary unsp, whole, rhyolite, lt. gray	33.1	5
463	26	123	95	4.1	80	90		0.63	1	2.2	4	1	9	Flake, secondary bif thin, whole, rhyolite, green	7.4	2
463	26	123	95	4.1	80	90		0.63	2	2	6	3	4	Flake, secondary chunk, quartzite, brown		
463	26	123	95	4.1	80	90		0.63	1	2	6	1	4	Flake, secondary chunk, rhyolite, brown		
463	26	123	95	4.1	80	90		0.63	17	2	6	1	9	Flake, secondary chunk, rhyolite, green		
463	26	123	95	4.1	80	90		0.63	3	2	6	1	6	Flake, secondary chunk, rhyolite, lt. gray		
463	26	123	95	4.1	80	90		0.63	2	2	2	1	9	Flake, secondary medial frag, rhyolite, green		
463	26	123	95	4.1	80	90		0.63	4	2	5	3	4	Flake, secondary shatter, quartzite, brown		
463	26	123	95	4.1	80	90		0.63	1	2	5	1	7	Flake, secondary shatter, rhyolite, gray		

463	26	123	95	4.1	80	90	0.63	30	2	5	1	9	Flake, secondary shatter, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	6	2	5	1	6	Flake, secondary shatter, rhyolite, lt. gray		
463	26	123	95	4.1	80	90	0.63	1	2	3	3	4	Flake, secondary terminal frag, quartzite, brown		
463	26	123	95	4.1	80	90	0.63	8	2	3	1	9	Flake, secondary terminal frag, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	8	2.1	1	1	9	Flake, secondary unsp, platform frag, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	1	2.1	1	1	6	Flake, secondary unsp, platform frag, rhyolite, lt. gray		
463	26	123	95	4.1	80	90	0.63	1	2.1	4	3	4	Flake, secondary unsp, whole, quartzite, brown	10.7	3
463	26	123	95	4.1	80	90	0.63	1	2.1	4	3	4	Flake, secondary unsp, whole, quartzite, brown	21.3	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	3	4	Flake, secondary unsp, whole, quartzite, brown	39.6	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	3	4	Flake, secondary unsp, whole, quartzite, brown	20.8	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	3	4	Flake, secondary unsp, whole, quartzite, brown	9.8	3
463	26	123	95	4.1	80	90	0.63	1	2.1	4	3	4	Flake, secondary unsp, whole, quartzite, brown	8.4	4
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	20	Flake, secondary unsp, whole, rhyolite, gray coarse	19.1	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	20	Flake, secondary unsp, whole, rhyolite, gray coarse	7.6	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	20	Flake, secondary unsp, whole, rhyolite, gray coarse	30.3	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	20	Flake, secondary unsp, whole, rhyolite, gray coarse	38.6	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	35	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	41.9	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	21.2	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.2	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.6	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	16	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20.8	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	15	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	7.9	4
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	10.4	3
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.7	3
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	51.8	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	29	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	46.7	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	43.3	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	19.9	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	23.8	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	38.6	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	20	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	14.4	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	39.2	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	9	Flake, secondary unsp, whole, rhyolite, green	8.6	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	41.5	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	16.8	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	21.9	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	20.4	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	5.5	3
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	25.7	5
463	26	123	95	4.1	80	90	0.63	1	2.1	4	1	6	Flake, secondary unsp, whole, rhyolite, lt. gray	39	5
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	15.6	4
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.4	3
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	5.9	3
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	9.5	3
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6	2
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	6.2	2
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	7.4	3
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	2.5	2
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	9	Flake, tertiary bif thin, whole, rhyolite, green	4.8	2
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	4	Flake, tertiary bif thin, whole, rhyolite, lt. brown	5.7	3
463	26	123	95	4.1	80	90	0.63	1	3.2	4	1	6	Flake, tertiary bif thin, whole, rhyolite, lt. gray	9.9	3
463	26	123	95	4.1	80	90	0.63	2	3	6	1	20	Flake, tertiary chunk, rhyolite, gray coarse		
463	26	123	95	4.1	80	90	0.63	33	3	6	1	9	Flake, tertiary chunk, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	1	3	6	1	6	Flake, tertiary chunk, rhyolite, lt. gray		
463	26	123	95	4.1	80	90	0.63	20	3	2	1	9	Flake, tertiary medial frag, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	1	3	5	1	7	Flake, tertiary shatter, rhyolite, gray		
463	26	123	95	4.1	80	90	0.63	1	3	3	1	20	Flake, tertiary shatter, rhyolite, gray coarse		

463	26	123	95	4.1	80	90	0.63	1	3	5	1	20	Flake, tertiary shatter, rhyolite, gray coarse		
463	26	123	95	4.1	80	90	0.63	171	3	5	1	9	Flake, tertiary shatter, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	27	3	5	1	6	Flake, tertiary shatter, rhyolite, lt. gray		
463	26	123	95	4.1	80	90	0.63	1	3	3	3	4	Flake, tertiary terminal frag, quartzite, brown		
463	26	123	95	4.1	80	90	0.63	1	3	3	1	20	Flake, tertiary terminal frag, rhyolite, gray coarse		
463	26	123	95	4.1	80	90	0.63	65	3	3	1	9	Flake, tertiary terminal frag, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	10	3	3	1	6	Flake, tertiary terminal frag, rhyolite, lt. gray		
463	26	123	95	4.1	80	90	0.63	1	3.1	1	3	4	Flake, tertiary unsp, platform frag, quartzite, brown		
463	26	123	95	4.1	80	90	0.63	33	3.1	1	1	9	Flake, tertiary unsp, platform frag, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	3	3.1	1	1	6	Flake, tertiary unsp, platform frag, rhyolite, lt. gray		
463	26	123	95	4.1	80	90	0.63	1	3.1	4	3	4	Flake, tertiary unsp, whole, quartzite, brown	6.2	4
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	28.4	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	6.8	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	4.9	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	20	Flake, tertiary unsp, whole, rhyolite, gray coarse	10	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	21.4	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.2	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.7	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	24.5	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	18.3	4
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.7	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	26	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.2	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.4	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	16.1	4
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	15.8	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	3.4	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.3	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.9	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	4.5	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.3	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.1	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.4	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.2	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	9.7	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.2	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6.8	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	11.1	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	6	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.5	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.2	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	12.3	3
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	8.5	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.8	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.9	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	7.3	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.7	4
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.5	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	5.4	2
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28.4	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	50.2	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	28	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	35.5	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	13.8	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	10.7	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	30.5	5

463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	40.2	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	22.2	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	32.8	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	23.2	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	49.6	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	51.9	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	27.2	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	9	Flake, tertiary unsp, whole, rhyolite, green	20.8	5
463	26	123	95	4.1	80	90	0.63	1	3.1	4	1	6	Flake, tertiary unsp, whole, rhyolite, lt. gray	34.1	5
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*15.2*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*20.4*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*10.5*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*16.7*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*22.2*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*9.9*	*3*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*16.9*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*6.5*	*2*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*29.6*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*20.7*	*5*
463	*26*	*123*	*95*	*4.1*	*80*	*90*	*0.63*	*1*	*3.1*	*4*	*1*	*6*	*Flake, tertiary unsp, whole, rhyolite, lt. gray*	*22.3*	*5*
463	26	123	95	4.1	80	90	0.63	1	25		14	0	Raw material, conglomerate, pink		
463	26	123	95	4.1	80	90	0.63	1	25		2	0	Raw material, quartz, red		
463	26	123	95	4.1	80	90	0.63	2	25		2	2	Raw material, quartz, white		
463	26	123	95	4.1	80	90	0.63	3	25		1	4	Raw material, rhyolite(?), brown		
463	26	123	95	4.1	80	90	0.63	10	25		1	20	Raw material, rhyolite, gray coarse, heavily oxidized		
463	26	123	95	4.1	80	90	0.63	4	25		1	6	Raw material, rhyolite, lt. gray		
463	26	123	95	4.1	80	90		2	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green		
463	26	123	95	4.1	80	90	0.63	2	4	5	1	9	Utilized flake, tertiary shatter, rhyolite, green		
465	15	126	95	1.2	10	20	0.89	1	6		1		Point, rhyolite		
466	9	126	100	2.2	20	30	0.87	1	6		2		Point, quartz		
467	36	126	105	3.1	55	65	0.95	1	6		1		Point, rhyolite		

APPENDIX 2: GEOMORPHOLOGY SOIL PROFILE DESCRIPTIONS

SOIL PROFILE DESCRIPTIONS

31WA1137
Soil/Sediment Profile @ 8.0 m
Described 5/11/98 by David S. Leigh
Profile @ 8.0 m northeast of the modern levee crest at 31WA1137:

Depth	Horizon	Description
0–102	A/C	10YR 4/4 and 2.5Y 7/2 sandy silt loam, faintly laminated and stratified here, but distinctly laminated and stratified to the southwest. Strata include 2.5Y 7/2 sands interbedded with sandy silt loam.
102–185	Bgb	7.5YR 4/4 silty clay loam with common medium 2.5Y 6/2 and 7/2 mottles, moderate medium subangular blocky, clear boundary.
185–290	BCgb	2.5Y 5/4 silty clay loam mottled with many medium 2.5Y 2/1, 10YR 5/8, and 2.5Y 7/2 mottles, augered boundary.
290–420	C1gb	5Y 5/1 silty clay loam to silty clay, massive, augered boundary.
420–460	C2gb	5Y 5/1 sandy loam, massive, contains fragments of wood and few bits of gravel, augered boundary.
460+	C3gb	Coarse gravel, no recovery.

31WA1137
Soil/Sediment Profile @ 18.0 m
Described 5/11/98 by David S. Leigh
Profile @ 18.0 m northeast of the modern levee crest and about 12 m southwest of the crest of paleo-levee at 31WA1137:

Depth	Horizon	Description
0–29	C	Historical 10YR 5/4 loam, weak coarse subangular blocky to massive, clear boundary.
29–52	Ab	10YR 4/2 fine sandy loam, moderate medium subangular blocky, clear boundary.
52–95	Bwb	10YR 4/4 fine sandy loam, moderate medium subangular blocky, gradual boundary.
95–153	C1b & Btb	10YR 5/4 loamy sand to sand, contains many 1–3-cm-thick 10YR 5/8 clay-iron bands, clear boundary.
153–200	C2b	10YR 4/5 and 10YR 5/4 loam, strong medium subangular blocky, base of trench, clear boundary.
200–260	C3b	2.5Y 5/4 and 5Y 7/2 sandy loam with very large 10YR 5/8 mottles, augered boundary.
260–305	C4b	2.5Y 6/3 sand, massive, clear boundary felt with auger.
305–385	C5b	2.5Y 6/4 loam with moderate medium 10YR 5/8 mottles, moderate medium subangular blocky, base of hole.

31WA1137
Soil/Sediment Profile @ 30.25 m
Described 5/11/98 by David S. Leigh
Profile @ 30.25 m northeast of the modern levee crest and on top of the crest of paleo-levee at 31WA1137:

Depth	Horizon	Description
0–5	A	10YR 3/2 silt loam, strong medium subangular blocky, abrupt boundary.
5–17	C	10YR 5/4 loam, massive, abrupt boundary.
17–34	Ab	10YR 4/2 fine sandy loam, weak fine subangular blocky to massive, clear boundary
34–53	E1b	10YR 5/4 fine sandy loam, weak fine subangular blocky, gradual boundary.
53–69	E2b	10YR 5/4 fine sandy loam, weak fine subangular blocky, few faint 10YR 5/6 clay-iron bands, clear boundary.
69–115	Bt1b	10YR 4/5 fine sandy loam with common medium 2.5Y 6/2 redox features, strong medium subangular blocky, moderately thick clay films on ped faces, gradual boundary.
115–230	Bt2b	10YR 5/6 fine sandy loam with common medium 2.5Y 6/2 redox features, strong medium subangular blocky, moderately thick clay films on ped faces and in clay bridges 7.5YR 5/2 silt cap on large prismatic peds, few crayfish krotivina, diffuse boundary.
230–380	C1gb	2.5Y 6/3 sandy loam common medium and large 10YR 5/6 mottles, weak coarse subangular blocky, gradual boundary.
380–500	C2gb	2.5Y 7/2 loam to silty clay loam with common medium and large 10YR 5/6 mottles, moderate medium subangular blocky, augered boundary.
500–545	C3gb	5Y 7/1 loam with few very large 7.5YR 5/8 mottles, massive, augered boundary.
545–585	C4gb	5Y 7/1 sandy loam, massive, contains uncarbonized organic fragments including a hickory nut, clear boundary felt with auger.
585+	C5gb	Coarse gravel, no recovery with 3-inch auger, base of hole.

APPENDIX 3: GEOMORPHOLOGY DATA

PARTICLE SIZE AND CHEMICAL DATA

Notes:

- Residual values of clay, indicative of the percent of illuvial clay, were calculated as the residual values of the following predictive equation: **%Clay = 34.629 – 0.357%Sand,** which was based on 50 samples that were not in Bt horizons that explained 84% of the variance. Positive residual give an estimate of the amount of clay that has been translocated into the Bt horizon.
- Residual values of phosphorus (ppm) were calculated as the residual values of the following predictive equation: **P(ppm) = 5.819 + 70.861%Carbon + 8.975%Clay**, which explained 75% of the variance in phosphorus concentrations.

APPENDIX 4: CERAMIC DATA

CERAMIC CODE SHEET–UPPER NEUSE SITES
Project: Neuse Levee 1998 and Upper Neuse Ceramic Data Base
Observations:

Site Number
Accession #:
Unit Provenience:
Stratum/level:
Bag/Artifact #:

Vessel Portion
(1) base
(2) body + base
(3) body
(4) body + rim + shoulder
(5) rim + lip

Sherd Size (Diameter-cm)
(01) <2–4
(02) >4–6
(03) >6–8
(04) >8–10
(05) >10

Sherd Thickness Range (mm)
(01) <4
(02) >4–6
(03) >6–8
(04) >8–10
(05) >10

Sherd Thickness Range: (mm)

Exterior Surface Treatment
Plain: refers to smoothed vessel surface with no textile/stamped impressions
plain(eroded): 0–50% of surface abraded/absent
plain(very eroded): >50% surface absent/abraded

(1) fabric rough weave with visible warp
(2) fabric rough weave without visible warp
(3) fabric fine weave with visible warp
(4) fabric fine weave without visible warp
(5) fabric smoothed
(6) uid-roughly smoothed
(7) uid
(8) fabric/cord eroded
(9) cord smoothed
(10) cord with visible weft
(11) cord without visible weft
(12) net impressed

Interior Surface Treatment
plain roughly smoothed: interior has been smoothed to eradicate any evidence of tooling but rough surface has not been eradicated.
a. temper particles protrudes (actually forms part of the roughness) from the sherd interior
b. interior is roughly smoothed but temper does not protrude.

(1) scraped
(2) scraped-smoothed
(3) unsmoothed
(4) plain roughly smoothed
(5) plain (uniformly smoothed)
(6) indeterminate (not present due to spalling)

Temper Material
quartz grit: crushed quartz or quartzite of variable size
other grit: crushed rock other than quartz (e.g., feldspar, horneblende)
sand: small silica particles (quartz) barely visible macroscopically (particles over 0.5 mm in size are grit); sand on the Wentworth scale is the same as "fine quartz," and is <0.5 mm.
Uid: unidentified mineral temper

Temper Material (Continued)

(1) crushed quartz/quartzite
(2) quartz sand
(3) fine quartz sand with minority crushed quartz
(4) other mineral temper
(5) other temper
(6) uid temper

Temper Size(mm)
(1) very fine (<0.25)
(2) fine/medium (>0.25–0.5)
(3) very coarse/coarse (>0.5–2.0)
(4) granule (>2–4)
(5) pebble (>4)

Temper Shape
(1) angular
(2) subangular
(3) subrounded
(4) rounded

Temper Density(>0.5-mm particles only)
light-aplastics are very sparsely distributed.
medium-paste appears composed of <1/3 aplastic and temper occurs every 5–6-mm
heavy- paste appears composed of >1/3 aplastic material or particle occurs every 2–3-mm within paste body

(1) light
(2) medium
(3) heavy

Exterior Sherd Color
(1) dark red (2.5YR 4/6)
(2) strong brown (7.5YR 5/6)
(3) brown, yellowish brown (10YR 8/4) (10YR 5/6)

Interior Sherd Color
(1) dark red
(2) strong brown
(3) brown, brownish yellow
(4) olive brown (2.5 Y 4/3)
(5) gray
(6) dark brown black

Coil Break
(1) absent
(2) present

Exterior Sooting
(1) absent
(2) present

Interior Sooting
(1) absent
(2) present

Decoration
(1) absent
(2) present

Rim Form
(1) everted
(2) straight
(3) inverted

Lip Form
(1) flat straight
(2) flat thickened
(3) rounded straight
(4) rounded thickened
(5) pointed

Lip Thickness (mm)

APPENDIX 5: LITHIC DATA

APPENDIX 6: PHYTOLITH ANALYSIS

PHYTOLITH ANALYSIS OF SELECTED SOIL SAMPLES FROM 31WA1137, WAKE COUNTY, NORTH CAROLINA (Dr. Irwin Rovner)

INTRODUCTION

Phytolith analysis was conducted on eleven soil samples from Neuse Levee (31WA1137). Phytolith analysis was employed to discover aspects of the ethnobotany, natural ecology, and climatic history of the site. Samples extended from the Late Archaic to Late Woodland periods.

Phytolith specimens were present in all samples, but assemblages were not homogeneous. Frequency ratios of grass short cells to sponge spicules provided clear evidence of a climatic sequence, beginning with a Middle Holocene warm and dry regime, changing to warm and wet by the Late Archaic, and reverting to warm and dry again by Early Woodland times.

Panicoid crossbody short cells provide a maize signature in four samples beginning with a stratigraphically early horizon, perhaps 6000 B.P. This is probably not a credible occurrence of maize but suggest that the current phytolith protocol for maize identification is unreliable.

SETTING

Neuse Levee was on a levee on the north bank of the Neuse River 7.2 km below the Falls of the Neuse northeast of Raleigh, North Carolina (see Figure 2.1). As such it is in the transition zone between the North Carolina Piedmont and northern Coastal Plain. Ward (1983) and Phelps (1983) respectively provide extensive treatment of the cultural sequence in the two physiographic provinces. Byrd (1997), and Davis and Ward (1991), and Woodall (1991) provide important new insights regarding cultures of the Coastal Plains and Piedmont.

The Neuse River is recognized both among historical groups and among prehistoric antecedents as a cultural boundary across the Coastal Plain. This appears to be because the Neuse River enters the Atlantic Ocean at the break point between the highly embayed coast to the north (see Figure 1.1) and a much less complex coast to the south. The extensive embayments and coastal shallows of the embayed coast provide extremely rich coastal zone resources even at present. This rich environment seems to have stretched across the Coastal Plain at least as far as the Fall Line. The coastal shallows provided not only habitat for extensive and varied shellfish populations, but also transition zones for vast populations of anadromous fish. Anadromous fish such as shad and spotted bass are known historically to have provided a major component of northern Coastal Plain subsistence. Neuse Levee could have provided access to this harvest during prehistoric times. Terrestrially it also seems to have been on an early historic overland trail paralleling the Fall Line. Such trails normally followed prehistoric Native American paths. The location could therefore have been the intersection of both waterborne and terrestrial traffic during prehistoric times.

The Neuse Levee cultural levels reside on top of an eroded Early Holocene to early Middle Holocene levee. The culturally sterile sediments within the early levee are highly pedogenically altered forming a developed, thick Bt soil. A radiocarbon date on a nut shell fragment from near the basal gravels at 4.5 m returned 10,160±80 B.P., while another date on wood charcoal near the top (1.3 m) proved to be 7270±60 B.P. On top of the eroded Bt horizon is a series of Late Holocene strata about 1.1 m thick on the crest of the levee. Late Woodland ceramics are near the surface. Early Woodland indicators appear at about 50 cm below the surface, and a Late Archaic lithic occupation that incorporates a complex tool assemblage

and intensive use of local lithic materials lies virtually on the eroded Bt surface. A series of four radiocarbon dates at around 85 cm below the surface all clustered around 3800 B.P. The radiocarbon dates are not associated with cultural features, but the samples contained both wood charcoal and nut shells, which could indicate human association rather than natural sources.

Parallel to the phytolith samples discussed below, a series of sediment samples was taken for oxidizable carbon ratio (OCR) dates (Frink 1994). The dates provide a 10-cm-interval sequence through the cultural strata (see Figures 6.17 and 6.20). Examination of the relationship between the depth and age (see Figure 10.1) of the OCR dates suggests changes in deposition rates and in one case redeposition, or perhaps human intervention, in the soil carbon record. The OCR dates, with one exception, grade downward to 6053 B.P. The exception is just above the eroded Bt surface and could represent some kind of disruption of the carbon decay process, such as an episode of erosion and redeposition in the level. The OCR date at the unit 1–2 contact, the top of the Bt, cross checks reasonably well with the 7210±60 radiocarbon date in the upper part of the Bt horizon (see Chapter 2). The dates suggest an episode of slow deposition or erosion between the Late Archaic and Early Woodland that began at about 3000 B.P., at the beginning of the Early Woodland.

Deposition rates can be inferred from the OCR dates because of their concentrated numbers and thus their high resolution down the sediment column. If date samples are taken at equally spaced intervals, then the geometric relationships of the dates to each other and to the whole of the column. should have meaning relative to the rate of deposition of the sediments. For example, if the sediments are being deposited slowly over the course of a 10-cm vertical interval, then more time passes for the carbon to decay and the dates should be relatively far apart in time. In the time/depth plot (see Figure 10.1) this would result in a relatively flat angle of deposition. If, on the other hand, the deposition is rapid, then, the angle should be steep reflecting the increased rate of deposition during the 10-cm interval. A third relationship can be expected when redeposition dominates the sedimentation environment, which would appear as dates that are out of order in the time/depth column. In the time/depth column for Neuse Levee, all three of these relationships occur. In Stratum I an approximately 45° angle relates all four dates (B4–B19). Through Strata II and III the rate of deposition begins very rapidly (B56–B50), then decelerates from B46 to B26. Stratum IV contrasts with the overlying stratum by having an episode of redeposition near its bottom (B71), but then a normal deposition rate in its upper levels. The deposition rate in Stratum V is flattest and therefore slowest by these criteria. These deposition rates will be reconsidered below in evaluating the phytolith sequence.

Three columns of sediment samples were taken from Neuse Levee. The samples were removed from excavation walls in continuous columns of alternating levels of 5 cm and 1 cm (Figure 1). Samples were also taken from inside and outside features. A pattern of samples was selected from column 1 in the south block. The samples were chosen to investigate various lithologic and cultural strata.

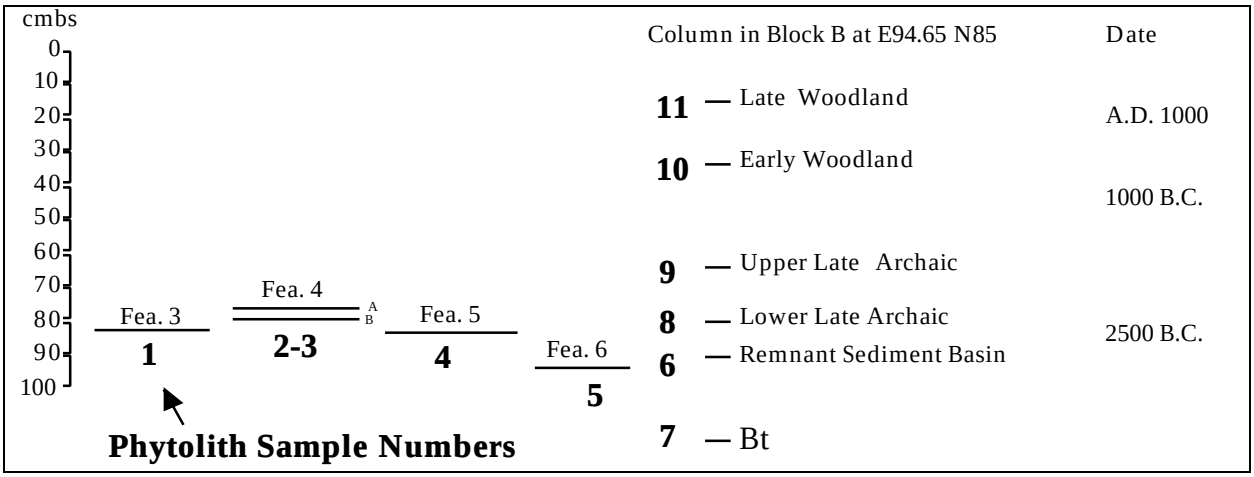

Figure 1. Relative Locations of Phytolith Samples and Their Numbers as Used in the Text.

PHYTOLITH METHODS

Phytolith Extraction from Sediments

Conventional soil extraction procedures for all soil samples were initially used with modifications employed as required by the nature of specific samples. Standard procedures generally followed those found in Rovner (1971, 1983). The soil was initially "cleaned" to promote disaggregation of all particles–inorganic, organic and biolithic–as follows:

1. About 20 ml of soil placed into clean beaker.

2. Distilled water added, stirred, and either placed in a centrifuge at moderate speed for 20 to 30 minutes, or allowed to settle for a minimum of 4 hours. Piperno (1988) suggests one hour is sufficient for tropical soils. The additional time provided here was an arbitrary caution procedure given possible factors of soil differences. Only small to very small amounts of macrobotanical fragments, fibers, or particles were observed.

3. The aliquot with suspended fine particles and very light fraction material (e.g. floating rootlets, fibers, charcoal, etc.), was decanted and discarded.

4. To oxidize and eliminate sticky organic residues, the soil was treated with 5.25% sodium hypochlorite solution (i.e., commercial household bleach). This was successful, precluding use of concentrated hydrogen peroxide or nitric acid solutions, which are more difficult to handle and far less environmentally benign (with respect to disposal, for example.)

5. Following oxidation, soil samples were rinsed 2–3 times with distilled water, stirred, settled or centrifuged, and decanted.

6. Dilute HCl (20 ml) was added to each sample to remove carbonates. None of the samples reacted to the acid. Samples were allowed to settle, and the aliquot was decanted and discarded.

7. Each sample was rinsed three times with distilled water.

8. The soil was resuspended in distilled water to which a deflocculant (i.e., Calgon) was added to suspend very fine silt particles. After centrifuging or settling overnight, the aliquots with suspended fine particles were decanted and discarded. Step 8 was repeated as necessary, until aliquot was clean.

9. Soil was placed in a drying oven set at 90°C until dry.

10. Heavy liquid for flotation separation was prepared by dissolving zinc bromide powder in slightly acidified distilled water until a specific gravity between 2.3 and 2.4 was achieved. This was easily determined using a commercial calibrated hydrometer.

11. Approximately 5 ml of dry soil was added to heavy liquid in a bent, clear tygon tube which was squeezed gently to wet the soil. The bent tube was inserted into a lightly greased centrifuge shell and centrifuged at moderate speed for 30 minutes to float phytoliths.

12. After centrifugation, clamps were placed on both vertical arms of the bent tube just below the flotant surface in the tube. A stream of water from a wash bottle was used to rinse the flotant from the tygon tube into a 50 ml centrifuge tube.

13. Distilled water was added to the centrifuge tube to about 40 ml level. Centrifugation precipitated the phytoliths. The aliquot was decanted. This step was then repeated.

14. Phytoliths were then decanted to a shell vial and placed in a drying oven to remove excess liquid.

Microscope Scanning

The phytolith extracts were quick-mounted in distilled water and viewed in an optical microscope at 400x. Mounts were prepared by pressing a slide over the mouth of an open vial, which was then inverted. The extract was allowed to settle on the slide, the vial was reverted to its original orientation, and the slide was quickly removed, retaining a drop of fluid with a portion of extract included.

Whole slides were scanned at 100x to find clusters of particles, which were then scanned at 400x to determine the character of individual particles. Representative and especially taxonomically significant phytoliths and other biosilica bodies (e.g., diatoms and sponge spicules) in each slide mount were noted. After all samples were initially scanned, second slide mounts were made and scanned to obtain particle counts, which are provided in Table 1. Panicoid crossbodies, the critical type for determination of the presence of maize, were measured using the microscope eyepiece micrometer, and then were videotaped. Videotaped images were digitized for image processing and analysis, with morphometric data of size and shape taken.

Compilation and Interpretation of Data.

No phytolith reference data base developed from phytolith extracts of living plants in the site's region was available or specifically prepared for this study. This lack severely limits taxonomic specificity in interpreting phytoliths present and, predictably, leaves a substantial number of morphologically distinctive (and sometimes frequent) phytolith types classified as "unknown". However, recent publications, especially Rapp and Mulholland (1992), provide substantial verification for both general and specific taxonomic assignments of phytoliths.

In the absence of a regional phytolith database, published typological information was employed for classification of phytolith types. For grasses, the three-tribe classification of Twiss et al. (1969) includes:

- Festucoid (wet, cool habitat),
- Panicoid (wet, warm habitat) and
- Chloridoid (dry, warm habitat)

These phytolith classes are the conventional standard, along with elaborations by Brown (1984).

For angiosperms (e.g., deciduous trees and shrubs) and conifers, Geis (1973), Klein and Geis (1978) and Rovner (1971) provide some guidance for eastern woodland flora content. The most elaborate work to date in these taxa has been done by Japanese experts (Kondo 1974, 1976, 1977; Kondo and Peason 1981; Kondo and Sase 1986; Kondo, et al. 1987), primarily on Asian flora. However, considerable similarity of illustrated phytolith forms at the genus level between American and Japanese plants provides confident guidance in the taxonomic assignment of distinctive phytoliths in these categories. Most recently, studies by Bozarth (1992) and Cummings (1992) have confirmed and refined the typology and taxonomy of phytoliths in dicotyledonous taxa. Distinctive material can now be attributed specifically to Asteraceae (Compositae), a dicotyledonous group well represented and ethnobotanically significant in the eastern United States. While soil phytolith studies in the general region of the mid-Appalachians and Atlantic seaboard are few in number, general comparisons can be drawn from studies at such eastern historic period sites as Monticello, Virginia (Rovner 1988a); Hampton, Virginia (Rovner 1989); Harpers Ferry, West Virginia (Rovner 1994); Jordan Site (31NH256), North Carolina (Rovner 1984); and 31MK683, North Carolina (Rovner 1995a, 1995b). Moreover, the number of sites tested in this region is increasing and recent reports (Rovner 1997; Owens and Rovner 1997) provided a basis for general patterns of land use and botanical history for the seventeenth through nineteenth centuries, in conjunction with archaeological history.

RESULTS

All samples produced mostly well-preserved phytolith assemblages but with markedly differing quantities (Table 1). Notably, several instances of mechanically broken phytoliths along with large fragment sections were observed commonly throughout the sequence. Non-grass phytoliths were frequent along with the commonly occurring “truncated” assemblage of large grass-type particles, bulliforms, squares, and rectangles; the latter is typical of alluvial soils. Such an assemblage was common, if not dominant at the three Wakefield Plantation sites (Rovner 1998). However, in marked contrast to the Wakefield samples, grass short cells were common in many of these assemblages, providing critical taxonomic information not available from assessment of large grass phytolith assemblages. Panicoid (wet, warm) lobate phytoliths dominated overwhelmingly, sometimes exclusively, over festucoid (wet, cool) and chloridoid (dry, warm) types. In addition, sponge spicules were present in almost all samples, often in great abundance, with diatoms rarely present.

<u>SAMPLE 11: Late Woodland</u>: A very rich and abundant assemblage of phytoliths was found in sample 11 (see Figure 1), including a wide range of non-grass phytoliths-hairs, plates, cellular epidermes, globules, cell casts, silicified tracheids, etc. Grass phytoliths were likewise rich and abundant, with a distinct dominance of panicoid lobates, including crossbodies, some of which were large enough to derive from maize. Both festucoid and chloridoid short cells were well represented. Likewise, sponge spicules were common and diatoms were proportionately more frequent in this sample than in any other, even allowing for sample size differences.

Table 1. Counts of Grass Short Cell Phytoliths and Aquatic Bioliths with Indexes of Grass to Aquatic Biolith Ratios.

Sample	Panicoid	Festicoid	Chloridoid	Sponge	Diatom	Grass/Aqu.	Pan./Spng.
11	72	17	11	32	8	2.5	2.25
10	52	3	6	62	1	0.97	0.84
9	6	1		12		0.58	0.50
8	13	1	1	28		0.54	0.46
7	19		5	15		1.60	1.23
6	47	6	10	81		0.74	0.58
5	7			5		1.40	1.40
4	60	5	5	96	1	0.72	0.625
3	10	1	1	29		0.41	0.34
2	20	2	1	31	1	0.72	0.65
1	18	2	4	51		0.47	0.35

SAMPLE 10: Early Woodland: This was also a very rich sample, and similar in general to Sample 11, although subtle differences are present. The range of both grass and non-grass phytoliths is somewhat less. For instance, the total number of grass short cells is lower than in Sample 11, which could simply be mounting error. However, festucoid and chloridoid frequencies, (i.e. percentages), are lower in proportion to panicoid short cells, while sponge spicule frequency is higher but diatom frequency is lower. Thus, in spite of general similarities, there appear to be significant differences between Samples 10 and 11.

SAMPLES 9 and 8: Upper and Lower Archaic. Both samples are quite similar: sparse to moderate in phytolith quantity and range. This is not due merely to depth inasmuch as lower samples, such as Samples 6 and 4, are much richer and similar to Sample 10 in abundance. Short cell counts are much lower, yet both similarly reflect a rather high sponge spicule ratio as an indication of wetness.

SAMPLE 6: Remnant Sediment Basin. This sample was rich and abundant, similar in quantity and range to Sample 10, but less than 11.

SAMPLE 7: Bt horizon. Rather sparse to moderate, Sample 7 was similar in quantity to Samples 8 and 9. However, this sample is significantly different from Samples 6, 8, and 9, given a notable reduction in the proportion of sponge spicules. This is probably indicative of early drier conditions compared to the Archaic period samples above.

SAMPLE 5: Feature 6. By far this was the most impoverished phytolith assemblage. There were few grass short cells and fewer sponges. In the first mount scanned only one panicoid short cell and two sponges were observed. Sponges are large and distinctive and very difficult to miss; thus their absence is probably not due to sampling error. Counts, presented in Table 1, required scanning two mounted slides to produce even these low numbers. With all due consideration to small sample size error, this sample has a low sponge ratio, indicative of relative dryness. In this regard, it corresponds most closely to Sample 7.

SAMPLE 4: Feature 5. This was a rich and diverse phytolith assemblage, similar to Sample 6, and 10. It contains the full range of non-grass and grass phytoliths, including all three grass tribes of short cell types as well as crossbodies, many sponge spicules, etc. Mechanically broken phytoliths were also common. Particularly noteworthy is the clear difference with Sample 5. Both Feature 5 and Feature 6 are characterized culturally by the presence of primary lithic debitage. Phytolith data clearly shows substantial differences in other contextual parameters.

SAMPLE 3: Feature 4B. This was a moderately rich and dense assemblage showing the full range of grass and non-grass phytoliths, including broken particles indicative of a wet context. Numerically, according to the panicoid short cell to sponge ratio, this is the wettest context in the sequence. It is similar to Samples 4, 6, and 10, and different from Samples 7 and 5 in this regard. It is also distinct from Sample 4A, strongly suggesting that the upper and lower deposits of this feature were derived from very different edaphic regimes.

SAMPLE 2: Feature 4A. This phytolith assemblage is relatively sparse. While most of the typical general categories of grass and non-grass phytoliths, along with sponges, are present, grass short cells outnumber sponges, suggesting a drier regime in contrast with Sample 3 from lower in the same feature. Sample 2 is similar to stratigraphically older Samples 7 and 5. Lower Sample 3 is similar to stratigraphically younger Samples 6 and 10. These findings support the suggestion of reverse stratigraphy in the feature itself.

SAMPLE 1: Feature 3. This sample was sparse to moderate assemblage. Although the counts are relatively small, the wet/dry index is strongly in favor of wetness, second only to Sample 3 and similar to other wet samples such as 8 and 9.

DISCUSSION

Specific Research Issues

General Conditions of the Watershed. In general, phytolith data support the conditions expected in the flood plain of a major river. In all samples non-grass particles and sponge spicules were relatively frequent. Grass phytolith populations were dominated by the bulliform-rectangle-square, large-sized phytolith group associated with alluvial deposits, for example, at Harpers Ferry, West Virginia (Rovner 1994) and Wakefield, North Carolina (Rovner 1998). The common presence of broken bulliforms, broken rectangles, etc., even many "half-lobates"(panicoid dumbbells forms broken at the narrow "waist") suggested some rather severe flooding activity, causing mechanical breakage of these robust and durable particles.

In spite of clear evidence for soil movement (including phytolith content) through such activities as flooding and alluviation, the phytolith assemblages were far from homogeneous. Samples ranged from quite rich to rather impoverished, both in the stratigraphic column and among the Archaic-period feature samples. Thus, it is clear that the phytolith assemblages were modulated by a number of factors, rather than mere depth or age, possibly including small-scale differences in location, hydrology, topography, floral cover, and/or cultural activities. Unfortunately, there is no convenient way to elucidate this from taxonomic classification of the phytoliths, especially in the non-grass category for which there is grossly inadequate systematics. In the grass category, the dominance by Panicoid short cells precluded effective use of conventional panicoid-festucoid-chloridoid ratios (Table 2). In all samples panicoid short cells provide more than 70 percent of the total. Too many of the samples have a small sample of the festucoid and/or chloridoid category, –Samples 2, 3, 5, 8 and 9, nearly half the study (see Table 1). An increase of only 1 or 2 Festucoid or Chloridoid particles in the absolute count could inflict a substantial percentage change in these cases, while a change of three particles in an appropriate category could change the entire profile of the sample. Reliance on such inadequate data is suspect and therefore rejected.

As an alternative to a purely grass short cell index for sample comparison, a new index was devised and applied: the ratio of grass short cells (the "terrestrial factor"), to sponges and diatoms (the "aquatic factor") (see Table 1). The assumption is that in this comparison grasses represent relative dryness, while sponges (and diatoms) represent relative wetness. Given the dominance of panicoid short cells in the

terrestrial category and sponges over diatoms in the aquatic category, it made little effective difference in the results if “all grass” or “panicoids only” were used. Likewise, it made little difference if “all aquatic bioliths” or “sponges only” were used in the calculations. Substantial differences in sample index values were obtained, with emerging patterns suggesting high potential significance for interpreting small-scale and large-scale conditions in both space and time.

Table 2. Percentages of Grass Short Cells According to Grass Tribe.

Sample	Panicoid	Festucoid	Chloridoid
11	72.0	17.0	11.0
10	85.2	4.9	9.8
9	85.7	14.3	0
8	86.7	6.7	6.7
7	79.2	0	20.8
6	74.6	9.5	15.9
5	100.0	0	0
4	85.7	7.1	7.1
3	83.3	8.3	8.3
2	87.0	8.7	4.3
1	75.0	8.3	16.6

The uppermost sample, Sample 11, was extracted from the second level to avoid potential modern contamination. It is possible that this was not completely successful. A high percentage of festucoids is a frequent indicator of the arrival of European settlement, expressed quite clearly in the phytolith record from early in the Historic colonial period (Rovner 1997). In addition, in purely natural floral assemblages, festucoid grass is a cool-wet indicator by itself, which should correlate positively with sponge frequency. Since the high festucoid count occurs in the face of the decidedly lowest wetness index value of all the samples, some Historic-period European grass introduction is possible.

Sample 10, dating to the Early Woodland, shows a relatively high dryness index value for the sequence. Whether the reason is a general climate change toward decreased rainfall (and/or higher temperature) or topographic factors slowing overbank flooding, the trend is from a high wetness signature in Samples 8 and 9, to an intermediate dry value in Sample 10, to a very dry value in Sample 11.

Samples 8 and 9, which span the transition from Middle to Late Holocene, are quite similar in quantity and quality of phytoliths. Both are relatively sparse, with low grass short cell and sponge counts, and both have virtually identical wet-dry index values. The phytolith evidence, then, indicates no significant difference between these two samples, suggesting climatic stability rather than change. However, a sharp contrast with Sample 6, below, suggests that a substantial climatic or edaphic change occurred somewhat earlier. Inasmuch as Sample 6 is at the same depth as the anthropogenic Archaic features, the possibility is raised that climatic conditions fostering human occupation in the Sample 6 era were substantially influenced by a marked increase in rainfall at the beginning of the Late Archaic period.

The five samples from the four features (Features 3, 4, 5, and 6) are not homogeneous even though the radiocarbon dates are nearly identical in age (see Chapter 10). Sample 5 from Feature 6, the deepest of the features, has an impoverished phytolith assemblage overall. Although small sample size must be considered as a cautionary note, a relatively high dryness index of 1.4 places this sample ecologically close to the early dry period of the Bt level, Sample 7, rather than the wetter index levels of stratigraphic Samples 6, 8, and 9, above. Sample 4 (Feature 5) and Sample 2 (Feature 4A, upper level) have similar intermediate index values, in marked contrast to Sample 3 (Feature 4B lower level) and Sample 1 (Feature 3), which share virtually identical, very wet index values. This pattern suggests a climatic seriation of samples: the upper level of Feature 4 (Sample 2) and Feature 5 (Sample 4) occur after the

drier Bt Sample 7 (and dry Feature 6, Sample 5), but before wetter stratigraphic Sample 6. The lower level of Feature 4 (Sample 3) and Feature 3 (Sample 1) then are the youngest features, related to the increased wetness seen in higher stratigraphic column Samples 6, 8, and 9. This makes the lower sample of Feature 4 younger than the upper sample of this feature, which is possible only in a case of reverse stratigraphy (i.e., the upper fill in the feature was taken from an earlier, drier soil horizon nearby and redeposited).

In broad outline, the lowest, earliest (Middle Holocene) Bt Sample #7 begins the sequence under a relatively dry regime. Feature 6 is the driest and thus climatically earliest of the features. Increased, intermediate-level wetness occurs in Features 5 and 4A, which are similar to Remnant Sediment Basin Sample 6. Further increases in wetness occur in Feature 3 and Feature 4 and continue through the Late Archaic period, as seen in Samples 8 and 9. The climate reverts to relative dryness by the Early Woodland period, as indicated in Sample 10.

This sequence of climatic instability is consistent with suggested patterns for the eastern Middle to Late Holocene, especially as observed in emerging phytolith data. Phytolith sequences from stratigraphic profiles encompassing the Archaic period at North Carolina site 31MK683 (Rovner, 1995a, 1995b) show a sudden appearance of panicoid short cells coincident with the Middle Archaic Period. This was initially seen as an increase in temperature, with rainfall effects unknown.

Evidence for a widespread Middle Archaic warming trend of unknown duration is startlingly clear in the phytolith record. This warming trend coincides well with the Atlantic Climatic Period, a decidedly warm and dry period. Its effect in the eastern Woodlands, according to the phytolith data, may have been more subtle, i.e. *warmer, but not necessarily drier*. This is not the first report of phytolith data suggesting such a warming trend. A phytolith study by Carbone (1977) of the Fifty Site and the Thunderbird Site in the Shenandoah Valley of Virginia reports similar climatic shifts during the Middle Archaic Period.

…[I]n these eastern forest archaic sites, the grass assemblage, if not the very presence of grass itself, results from local modulation caused by human campsite activities in the immediate area of the sites, respectively–local clearing of trees causing small openings in the canopy inviting pioneer weeds, such as grasses, to the immediate vicinity. Such local modulations would have little overall effect on the general pollen rain profile which would continue to show overwhelming dominance of arboreal flora in the region. Any resulting changes in pollen frequency would be statistically trivial and probably hidden below the random noise level in a pollen profile. On the other hand, decay-in-place phytolith frequencies can be significantly changed by these modulations in a specific microecology, such as within the boundaries of an archaic campsite.

…[T]rees as long term perennials are far less sensitive to subtle changes in local climate than are annual plants like pioneer weeds. Pollen rain derives largely from perennial trees while the grass phytoliths, such as in the studies presented here, can exhibit a clear reflection of the nature of pioneer annuals. The effects of Middle Archaic Period warming may not have been long enough or strong enough to modulate tree assemblages sufficiently, *especially if rainfall continued at substantial levels in the region* (Rovner 1996; Emphasis added).

Phytolith data from Neuse Levee, given the dominance of panicoid short cells in all samples, do not provide a basis for detecting the trends noted at these other eastern sites. However, this is the first site to provide phytolith evidence for increased wetness beginning in the Late Archaic Period of the Eastern United States, an idea suggested by Rovner (1996).

Although the number of phytolith profiles studied to date in this region is meager, the emerging phytolith pattern is consistent with regional pollen evidence. Kellogg and Custer (1994) summarized a series of

pollen studies from Delaware. They note a change from drier to wetter conditions around 6000 B.P., reverting to drier conditions after 2000 B.P.

During the last ice age, spruce and fir trees grew in Delaware under a cold, wet regime. Melting of the ice sheet brought warmer and drier conditions to the region. The environment became so dry that after 12,000 BP Walter's Puddle dried up completely. No mud or pollen was deposited in the pond until after 6000 BP when water again stood in the depression. Because the dryness caused a gap in the accumulation of mud in the lake there is not a record of the environments between 12,000 and 6000 BP at Walter's Puddle.

After 6000 BP the climate of central Delaware was wetter and mud and pollen accumulated in Walter's Puddle again. . . .

…[T]ransects of cores across four bay/basins, including additional cores from Walter's Puddle [were used to] determine if the dry interval at Walter's Puddle was due to climate, and to determine the length of the dry interval. All four basins had a gap in sedimentation, therefore, local hydrological conditions can be ruled out. . . .

…[P]ollen studies…were [conducted] on [marsh] cores dating to the last 5000 years—after the dry episode documented by the study of the bay/basins. The oldest vegetation data in the marsh cores comes from pollen in Leipsic River core LR-1 and dates to about 5000 BP. As suggested by the pollen from Walter's Puddle, oak and pine forests dominated the landscapes at the time. . . .

The marsh pollen data suggests a wetter (and perhaps colder) interval sometime between 3000 and 2000 BP. Another dry interval followed. (Kellogg and Custer 1994:96–8)

Similar general climate shifts are provided in a summary of pollen evidence for the southeastern United States by Delcourt and Delcourt (1995).

During the early-Holocene interval, the rapid northward migration of cool-temperate, mesic tree species was followed by their expansion in dominance throughout the mid-latitudes of the southeastern United States. . . . From sites with continuous records of sedimentation spanning the time interval from about 12,500 to 8,500 B.P. . . . it is evident that the forest communities of the early-Holocene period differed in species composition and dominance from those that developed in the middle- and late-Holocene intervals. . . .The modern floristic region thus became defined at 34d N latitude only in the middle- to late-Holocene intervals as climatic conditions there shifted from cool-temperate to warm-temperate. (Delcourt and Delcourt 1995:19)

. . . . [I]n the southern Appalachian Mountains and the northern Gulf Coastal Plain, middle-Holocene vegetation reflected warm but wet regional climate. By 5,000 B.P., coastal-plain species characteristic of wetland environments had dispersed successfully into sag ponds in the Ridge and Valley of central Alabama and northwestern Georgia. In Cades Cove, Great Smokey Mountains National Park, East Tennessee, a woodland-hollow pond formed between 7,000 and 6,500 B.P. . . .This restricted and poorly-drained environment at 500 m elevation in the mountains today harbors numerous species characteristic of southern coastal plains. The pollen sequence from Lake in the Woods indicates that coastal-plain taxa had migrated into Cades Cove by 6,500 B.P. during a period of warm, wet climate and have persisted there to the present time. (Delcourt and Delcourt 1995:20)

Phytolith evidence from Neuse Levee extends this long-term, warmer, wetter period further to the north and east into the Carolinas.

The change to warmer and wetter conditions is apparently not consistent throughout the eastern United States, since pollen and some phytolith evidence suggest that conditions were different west of the Appalachian Mountains.

In the Midwestern United States, the middle-Holocene or Hypsithermal Interval was marked by the eastern expansion of prairie at the expense of forest. The effects of Hypsithermal warming and drying extended into the mid-latitudes of the Southeast west of the Appalachian Mountains; in Middle Tennessee, forest communities became species-poor and xeric between 8,500 and 4,000 B.P. (Delcourt and Delcourt 1995:19–20)

Unfortunately, phytolith data for the mid-Holocene in the region west of the Appalachians are virtually nonexistent. Some 25 years ago Rovner (1975) tested a long soil column from the Koster Site, Greene County, Illinois, for the Center for Archaeological Research. The goal was to determine the quality of phytolith preservation for future study of the full range of Holocene environments in the region (Rovner 1975). Although the test was successful, with abundant populations of well-preserved phytoliths in all cultural levels, only one formal follow-up study occurred. Soil samples from the intensively occupied Koster Middle Archaic Horizon VI were restudied in light of the controversial report of the recovery of maize pollen in this level (James Shoenwetter, personal communication, 1975). The Horizon VI phytolith assemblages were noted originally to contain notably high levels of panicoid short cells, providing a test of the maize identification procedure first reported by Pearsall (1978). The high frequency and overwhelming dominance of panicoid short cells were confirmed, but the application of Pearsall's procedure failed to yield an identification of maize, leaving the maize question unresolved. However, Hypsithermal warming and the migration of prairie grasses eastward obviously provide a compelling alternative explanation for these Horizon VI phytolith assemblages.

The climatic effects of the Late Holocene are particularly significant in comparing responses of Archaic peoples in their respective regions. West of the Appalachians, a warmer and drier climate caused upland forest communities to become "species-poor and xeric", which may have forced people to utilize the valley bottoms more intensively. The increased population and intensive occupation at Koster Horizon VI may not have resulted voluntarily from increased knowledge and more efficient use of resources over time, but as a response to significant climatic change. This is a variation on the long-standing "Oasis Theory" of demographic shift and adaptive response to climatic change, although Horizon VI Koster may have no direct bearing on the question of agricultural origins in the Illinois River Valley (or anywhere else). However, it does represent a case in which marginal upland zones provide donor populations, increasing the population of the lowland optimum zone—a clear reversal of the Binfordian Optimal-Marginal Zone demographic model of Incipient Agriculture.

The Neuse Levee Bt horizon and the other grassland indicators at other sites cited above may suggest similar conditions east of the Appalachians.

<u>Anthropogenic Factors and Identification of Maize</u>. Patterns of ethnobotanic activity are not apparent in the assemblages. Differences in the phytolith content of the samples, whether comparing feature samples to each other or to the stratigraphic samples, appear to result from edaphic and climatic factors, rather than from human activity. Unexpectedly, four samples (11, 10, 7, and 4) produced distinctive panicoid lobate short cells of the crossbody type (Figure 2) in a size range that indicates domestic maize (Table 5), according to the protocols developed by Pearsall (1978, 1989) and Piperno (1984, 1988). Many other North American sites including some of comparable age, region, culture, etc. have failed to provide such indications in spite of substantial phytolith assemblages. Even in instances where the presence of maize was certain and phytolith patterns based on contextual parameters were strongly indicative, the Pearsall and Piperno taxonomic protocols based on morphological parameters failed to appear. This has lead to a

general questioning of the reliability and validity of the taxonomic protocols as currently proposed (Rovner 1995d).

Figure 2. Phytoliths from Neuse Levee.

Accordingly, the evidence for large maize crossbody phytoliths at Neuse Levee extends from the Late Woodland Sample 11, the youngest in the stratigraphic sequence where evidence of maize is likely, to the very bottom of the stratigraphic sequence (Sample 7), where the presence of domestic maize would make it one of the earliest occurrences anywhere in the New World, a virtual impossibility. While this does little to elucidate factors relevant to the interpretation of the site itself, it does have critical bearing on the controversial issue of the reliability of the Pearsall and Piperno method of maize identification using phytoliths. This has major implications for study of agricultural origins, development, and distribution — not only in Southeastern archaeology but throughout Western Hemisphere prehistory.

Environmental conditions affect size variation in phytolith populations from one year or one place to the next, but shape remains stable (Ball 1992; Ball et al. 1997). Phytolith size difference is by itself not definitive proof of domestic versus wild taxa. The classification methods developed by Pearsall and Piperno to identify domestic maize use size parameters in highly questionable ways. Increased size of phytoliths in domestic maize is supposed to distinguish it from wild grasses (Pearsall 1989), but archaeological phytoliths offered as evidence of domestic maize in earliest Valdivia I and II (Pearsall 1989:332, Table 5.2) are larger than that for every modern maize tested. Either there is systematic error operating in the analysis, or we must accept the bizarre explanation that the earliest primitive maize in South America is more modern in its phytolith content than is modern maize currently grown in the region.

Pearsall tested effects of high temperature dry-ashing to extract phytoliths from reference plants, noting that significant shrinkage (sic) occurs, but not enough to confuse maize with wild grasses. However, comparisons of size values for modern maize phytolith populations (Pearsall 1989:376, Table 5.7; see Table 3) show that dry-ashed populations are far more likely to produce a larger size value than that from low temperature chemical oxidation—as much as 300% to 400% larger in specific cases. Pearsall's own data are self-contradictory and indicative of systematic error.

Table 3. Deviation in Percent of Large Crosses in Maize (after Pearsall 1989).

645	Canguil (ashed)	6.2
E7	Canguil (peeled)	14.7
646	Canguil (ashed)	22.8
E6	Patillo (peeled)	15.4
E8	Patillo (peeled)	50.0'
662	Patillo (ashed)	67.3
E3	Sabanero (peeled)	12.1
643	Sabanero (ashed)	39.1

Some systematic error probably derives from protocols for capturing specific phytolith forms for analysis. Only lobate short cells whose lengths are no more than 9 microns greater than measured width are captured regardless of absolute phytolith size. All others are ignored. The limit of 9 is always used regardless of absolute phytolith size. Thus, a shape measuring 27 by 18 microns is captured, but the identical shape measuring 30 by 20 microns is rejected. The rectangular shape measuring 18 by 9 is captured, but, if 20 by 10, it is not. This results in inconsistent capture bias according to particle shape, the environmentally stable parameter. S. Mulholland (1990) tested this protocol on an Old World Arundinoid reed grass and obtained a maize identification. Pearsall (1990) dismissed this finding as inconsequential because the Old World grass tested cannot appear in New World archaeological deposits. This may be true; but systematic error, morphological bias, and questionable analytical protocols can occur anywhere.

Table 4. Environment and Crossbody Size Stability (after Piperno 1988).

Oplismenus hirtellus	**% Variant 1**	**% Variant 6**		
Panama	28	72		
Mexico	0	100		
		mean width	**width range**	
Panama		13.4	11.2–15.1	
Mexico		14.9		
		% cross		
Panama		4.5–8.5		
Mexico		12.5		
Paspalum plicatulum		**Variant 6**		
		mean width	**width range**	
Panama		11.4	10.8 –12.1	
Mexico		10.5		
		% cross		
Panama		23–39		
Mexico		20		
Cenchrus echinatus				
	Variant 1		**Variant 6**	
	mean width	**width range**	**mean width**	**width range**
Panama	13.7	13.3–14.0	12.7	12.3–13.3
Belize	15		13.6	
	% cross			
Panama	29–51			
Belize	20			
Axonopus compressus	**Variant 1**		**Variant 6**	
	mean width	**width range**		
Panama	11.5	11.2–12.0		
Belize	10.4			
Hymenache amplexicaulis	**Variant 1**			
	mean width	**width range**		
Panama	10.9	10.5–11.3		
Mexico	11.7			
	% cross			
Panama	9–28			
Mexico	33			

Table 5. Size Distributions of Maize Range Crossbodies from 31WA1137.

Figure 1	Eyepiece	Size	Manual	Size	Prism Breadth	Size
A	18.7 x 16	large	18.58 x 14.18	medium	13.38	medium
B	18.7 x 16	large	18.15 x 14.80	medium	14.73	medium
C	40.0 x 32	superlarge	37.74 x 30.81	superlarge	29.77	superlarge
D	21.4 x 21.4	very large	19.00 x 18.18	large	18.4	large
E	21.4 x 21.4	very large	20.84 x 19.01	large	18.3	large
F	18.7 x 18.7	large	16.99 x 15.96	large	16.1	large
G	21.4 x 18.7	large	20.62 x 17.23	large	17.04	large
H	18.7 x 16	large	15.92 x 15.58	medium	14.84	medium
I	26.7 x 24	very large	21.96 x 21.94	very large	18.14	large
J	18.7 x 16	large	19.01 x 16.67	large	15.89	medium
K	16.0 x 16.0	large	15.03 x 14.02	medium	13.68	medium
L	21.4 x 18.7	large	19.47 x 16.42	large	15.6	medium

CONCLUSIONS

The phytolith data from Neuse Levee (31WA1137) add significant new information to the history of Holocene climate and climatic change for the region, with substantial implications for cultural history and human adaptation in prehistory. The Hypsithermal was indeed a period of general warming, which has received recent confirmation through phytolith analysis of Archaic-period sites in the eastern United States. Neuse Levee provides phytolith evidence indicating that rainfall patterns in the region were more complex. Pollen evidence for the region and phytolith data from the Koster Site, Illinois, indicate a drying trend west of the Appalachians. However, pollen data from Delaware and from the far southern Appalachians and the Gulf Coast indicate increased rainfall along with warming during the later Hypsithermal, after 6000 B.P. Phytolith data from Neuse Levee reflect a similar increase in rainfall after 7200 B.P. but before 3800 B.P., serving to fill in the gap between areas to the north and to the south. By Early Woodland times, the climate reverted to drier conditions.

The phytolith data also provide what must be considered a false signature for the presence of domestic maize. The standard protocols used to argue for early appearance of domestic maize in other regions, when similarly applied to Neuse Levee, suggest that North Carolina was one of the very earliest regions to receive domestic maize. This proposition has no credibility. Moreover, it has now been demonstrated that the so-called maize signature may appear when maize is present, but also sometimes appears when maize is absent, and may fail to appear when maize is certain. The only conclusion to be drawn is that current maize identification phytolith typology lacks the scientific precision and accuracy necessary for effective application in archaeobotanic research. All reports of the presence or absence of maize based on these protocols must be considered equally suspect.

APPENDIX 7: RESUMES OF KEY PROJECT PERSONNEL

JOEL D. GUNN

Education

1974, Ph.D., Anthropology, University of Pittsburgh.
1971, M.A., Anthropology, University of Kansas.
1968, B.A., History, University of Kansas.

Certifications

1993 Society of Professional Archaeologists

Areas of Specialization

Archaeology: Lithic analysis, Settlement Patterns, Numerical Analysis, Data Management. Climatology: Global-Regional Climatic Impacts, Tree rings, Hydrology, Social Impacts.

Summary of Experience

Dr. Gunn is a well respected professional archaeologist with 20 years experience in the field. His background includes teaching at major universities, pure research, and archaeological contracting, and his field experience has been gained on archaeological sites in the Middle Atlantic and Southeast. He has most recently conducted projects in North and South Carolina, Virginia, and Texas.

Formerly a professor at the University of Texas at San Antonio, Dr. Gunn has pursued contract archaeology in the private sector since 1989. He has been a Senior Archaeologist for Garrow & Associates since 1991. He has directed projects throughout the Southeast.

Dr. Gunn's areas of emphasis are lithic analysis and global climate change as it affects regional prehistoric ecology, land use patterns, and technology. He has published numerous books, articles, chapters, and reports on lithic analysis and climate modeling.