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PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF SITE 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900

WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

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Maryland Department of Transportation State Highway Administration
Archaeological Report Number 543

Prepared by:

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For

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Federal Highway Administration

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

DRAFT

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ABSTRACT

TRC Environmental Corporation (TRC) performed a Phase I archaeological survey and Phase II archaeological evaluation of sites within the National Register of Historic Places (NRHP) George Washington Memorial Parkway (GWMP) for the Maryland Department of Transportation State Highway Administration (MDOT SHA) I-495 and I-270 Managed Lanes Study (MLS) on behalf of MDOT SHA. Investigation was also done for the proposed Virginia Department of Transportation (VDOT) Capital Beltway Express Lanes Northern Extension (NEXT) project, the results of which were reported separately as a Management Summary document (Millis 2019). The survey examined the Limits of Disturbance (LOD) currently defined for both projects (as of May 1, 2019). The VDOT LOD is smaller than and contained within the MDOT LOD. An intensive Phase I survey was performed on the portion of site 44FX0373 within the LOD including a 150-foot buffer beyond the LOD, and Phase II archaeological evaluation was conducted at six sites (44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, and newly identified 44FX3900). In addition, Phase I survey east of [redacted] (Area 3 below) also examined areas along the Parkway, including the margins of three sites: 44FX0322, 44FX0326, and 44FX0377. The archaeological fieldwork was conducted from July 8 to August 9, 2019 under the direction of Field Directors Tracy Millis and Bruce Idol and the supervision of Principal Investigator Heather Millis, in accordance with Archaeological Resources Protection Act permit 19-GWMP-45 issued by the National Park Service (NPS), which manages the GWMP.

Phase I archaeological survey was conducted in three areas within the LOD—Area 1 is [redacted] of the George Washington Memorial Parkway (hereafter "Parkway" when referring to the roadway as opposed to the Park) [redacted] Area 2 is [redacted] of the Parkway [redacted]; and Area 3 is [redacted] of the Parkway [redacted]. The three investigation areas are together designated the "Survey Area." The Phase I Survey Area cuts across four previously recorded sites (44FX0379, 44FX0381, 44FX0389, and 44FX3160) and follows the [redacted] boundary of three other previously recorded sites (44FX0322, 44FX0326, and 44FX0377). A concerted effort was made to examine the portions of the Phase I Survey Area in proximity to the final three sites, despite evidence of prior disturbance in places, and those results are also presented in this report. Also, Phase II work was scoped and completed on the first four sites based on impacts from the MLS project, and the results of those investigations are presented in this report.

Phase I survey of Area 1 involved the excavation of 166 shovel test pits (STPs) and identified isolated find FS-3 consisting of a Small Savannah River PPK found in an STP between sites 44FX0389 and 44FX3160. The survey recovered 82 lithic artifacts and one whiteware sherd associated with site 44FX0389, the boundary of which is expanded to the [redacted]; site 44FX0389 would be impacted by the MDOT SHA LOD. The survey also found two possible groundstone tools associated with site 44FX0381. Because the two sites are within the proposed MDOT SHA LOD, Phase II investigations were subsequently conducted on sites 44FX0381 and 44FX0389, as reported herein.

Phase I survey of Area 2 involved the excavation of 159 STPs and identified isolated find FS-2, consisting of a chert flake found in the s[redacted] edge of Area 2, and site 44FX3900, which produced 15 artifacts from three STPs and the ground surface. Both resources would be impacted by the MDOT SHA LOD. The Phase I survey recommended Phase II evaluation of site 44FX3900, which is reported herein.

Phase I survey of Area 3 involved the excavation of 54 STPs and recovered 15 quartz flakes associated with site 44FX0377 within Area 3. Given the low density of non-diagnostic artifacts that were recovered, the undertaking would not affect significant archaeological resources, and no further archaeological work is recommended. No cultural material was found within the LOD in the vicinity of sites 44FX0322 and 44FX0326. Evaluation of the eligibility of these three sites is beyond of the scope of this study.

Intensive Phase I investigation was conducted in the [redacted] part of site 44FX0373, encompassing the MDOT SHA LOD along with an additional 150-foot wide buffer to account for possible design changes. This work covered approximately the [redacted] of the full site area. The intensive Phase I investigation at site 44FX0373 included the excavation of 59 STPs and one 3 × 3 ft TU, which generated a total of only 19 nondiagnostic lithic artifacts. The investigation found that the portion of site 44FX0373 within the LOD and buffer represents a low-density prehistoric period artifact deposit and there is no evidence of meaningful artifact concentrations, cultural features, or any other intact aspects of site structure. The project investigations were not sufficient to characterize the site in its entirety or to evaluate the NRHP eligibility of the site as a whole. Full Phase II evaluation would be necessary to determine the NRHP eligibility of site 44FX0373, but no additional archaeological investigation is recommended within the survey area of the project.

The Phase II investigation of site 44FX0374 involved the excavation of 78 STPs and five TUs resulting in the recovery of a total of 2,184 lithic and eight ceramic artifacts. In general, the artifact assemblage reflects foraging-related activities, including stone tool production and replacement. The assemblage diversity of site 44FX0374 is higher than the other sites investigated during this study, suggesting that some visits to the site involved other resource procurement and processing activities, along with short term encampments. Temporally diagnostic artifacts indicate visits to the site during the Late Archaic, Early Woodland, and Late Woodland periods. The presence of fire-cracked rock (FCR), a nutting stone, prehistoric ceramics apparently representing two distinct ware types, and scrapers and informal flake tools, suggests that the site was the locus of foraging and occasional short-term occupation. While there is no clear indication of vertically or horizontally discrete deposits by time period, there are several apparent substantial concentrations of artifacts and some potential for the presence of cultural features as indicated by the recovery of ceramics, a nutting stone, and FCR. Phase II investigations indicate that site 44FX0374 can provide important information concerning local or regional prehistoric period occupations and is recommended as contributing to the NRHP eligibility of the Dead Run Ridges Archaeological District under Criterion D.

The Phase II investigation of site 44FX0379 involved the excavation of 295 STPs and seven TUs resulting in the recovery of one historic and 1,829 prehistoric lithic artifacts. Site 44FX0379 [redacted] by construction of the Parkway, which destroyed a portion of the site. The lithic assemblage is characterized by a relatively low diversity of artifact types, in general reflecting a focus on stone tool production and replacement activities. However, in addition to eight projectile points/knives (PPKs), the assemblage included several expedient tools and FCR, suggesting occasional short-term occupations. Temporally diagnostic artifacts indicate visits to the site during the Late Archaic and Early Woodland periods. There is no clear indication of vertically discrete deposits by time period, although there is some potential for horizontally discrete activity areas and there are several apparent substantial concentrations of artifacts. Phase II investigations indicate that site 44FX0379 can provide important information concerning local or regional prehistoric period occupations and is recommended as contributing to the NRHP eligibility of the Dead Run Ridges Archaeological District under Criterion D.

The Phase II investigation of site 44FX0381 involved the excavation of 104 STPs and two TUs resulting in the recovery of a total of 163 lithic artifacts. The assemblage diversity is marginally higher than some of the other sites investigated during this study with the inclusion of a drill, a hammerstone, and possibly a mano, but is still relatively low, suggesting that most visits to the site involved a similar limited set of activities. Temporally diagnostic artifacts indicate occupations in the Late Archaic and Late Woodland periods. No substantial artifacts concentrations were noted, and there was no evidence of cultural features or stratigraphic integrity. Based on the results of Phase II investigations, site 44FX0381 is not considered individually eligible for the NRHP.

The Phase II investigation of site 44FX0389 involved the excavation of 185 STPs and four TUs resulting in the recovery of a total of five historic and 694 prehistoric lithic artifacts. Site 44FX0389 contains Late Archaic, Early Woodland, and Late Woodland deposits, and the assemblage reflects stone tool maintenance and production, as well as game hunting. The stone tool assemblage is more diverse than many of the other sites investigated during this study, with the inclusion of two gravers, three scrapers, and a chopper and indicates that other resource extractive and processing activities occurred during at least some of the occupations. However, there is no evidence of stratigraphic integrity, substantial concentrations of artifacts, or cultural features and much of the site has been impacted by the construction of logging roads. Based on the results of Phase II investigations, site 44FX0389 is not considered individually eligible for the NRHP.

Phase II investigation at site 44FX3160 consisted of the excavation of nine STPs and one 3 × 3 ft TU, resulting in the recovery of just a single nondiagnostic prehistoric period artifact from what is likely historic colluvium. Including previous work on the site, site 44FX3160 has produced a modest number of nondiagnostic lithic artifacts and given the setting, site 44FX3160 may represent redeposited material. This site is recommended not eligible for the NRHP, and no further archaeological investigation is recommended for 44FX3160.

The Phase I and Phase II investigations at site 44FX3900 involved the excavation of 52 STPs and three 3 × 3 ft TUs, which generated a total of only 89 lithic artifacts. The artifacts date to the Late Archaic period and the Early Woodland period and likely reflect general resource extraction activities, particularly stone tool maintenance, game hunting, and possibly stone tool production. Based on the Phase I and II results, site 44FX3900 represents a low-density prehistoric site typical of many in Piedmont settings, with no evidence of substantial meaningful artifact concentrations, cultural features, or any other intact aspects of site structure. Based on the results of Phase II investigations, site 44FX3900 is not considered to be eligible for the NRHP.

The investigations identified a proposed district, the Dead Run Ridges Archaeological District, [redacted] of the Parkway, the investigated sites occur on a topographic setting consisting of hilly, upland terrain dissected by two deeply incised tributaries [redacted] The landscape is characterized by low, rolling hills, ridge spurs and side slopes, intervening swales and saddles, and heavily sloped stream banks. The project area is relatively undisturbed, although it was reportedly logged prior to federal acquisition, and was subjected to the early stages of residential development involving grading of road alignments. The area is currently covered by a canopy of mature hardwoods. Archaeological investigations in the area of the Dead Run Ridges suggest that, despite some variation in assemblage composition among the sites, they represent a similar range of activities. All sites were occupied mostly during the Late Archaic period (perhaps extending into the Early Woodland), with Late Woodland period components identified at two sites. Almost 55 percent (18 of 33) of the classifiable PPKs from this project are Late Archaic Lamoka or Small Savannah River types. All sites contain evidence of stone tool production, including debitage, cores, staged bifaces, hammerstones, and finished tools, and all of the assemblages are dominated by quartz, probably locally obtained. The steep ravine formed by [redacted] provided an easy means of access from the ridgetops to the floodplain [redacted] Small quantities of other lithic materials are present at each site. With the exception of site 44FX3900, the sites show a similar use of the level, interior portions of the steep terrain. Most sites produced small quantities of tools representing general foraging and hunting activities. FCR was also found in small quantities at three sites, suggesting short-term occupations there.

As these sites appear to represent a related set of activities in a distinct landscape setting over roughly contemporaneous periods, collectively they are considered part of an archaeological district, recommended as eligible for the NRHP as a "significant concentration, linkage, or continuity of sites, … united historically by … physical development" (USDOI 1991:5). It is designated as the Dead Run Ridges Archaeological District after Raszick and Bedell's (2018) topographical designation for this area. The proposed

archaeological district encompasses six sites investigated by the project (44FX0373, 44FX0374, 44FX0379, 44FX0381, 44FX0389, and 44FX3160) as well as three nearby sites not investigated by the project (44FX0227, 44FX0380, and 44FX0390). Together these resources appear to be related in primary function—quartz extraction and reduction—and to contain similar temporal components—primarily Late Archaic, with some Early and Late Woodland occupations.

Sites 44FX0374 and 44FX0379 retain integrity and data potential; they are also recommended as contributing to the NRHP eligibility of the Dead Run Ridges Archaeological District under Criterion D; sites 44FX0373, 44FX0381, and 44FX0389 are not recommended as individually eligible for the NRHP, but may be able to contribute some important information about prehistoric use of the landscape, and are considered contributing elements of the District. Site 44FX3160, incorporated by default due to its location within the proposed district boundary, may represent artifacts redeposited by erosion and slopewash and is considered a non-contributing element to the proposed District. Although it is argued that consideration of the landscape as a whole would provide a more holistic perspective on the environment and precontact use of the area, the non-site portions of the district do not constitute archaeological resources, and are not recommended as a contributing element to the archaeological district.

ACKNOWLEDGMENTS

The authors would like to acknowledge the assistance of a number of individuals. In particular, Richard Ervin of the MDOT SHA is thanked for providing guidance and background materials and for facilitating communication and development of the ARPA permit. Joshua Torres, David Gadsby, Matthew Virta, Marian Creveling, and Bradley Krueger of the National Park Service are thanked for their assistance with logistics and for facilitating the issuance of the ARPA permit.

The project was conducted by TRC with assistance from New South Associates (NSA). Jason Blood, Rachael Hutchison, Tyler Parrott, and Matt Wynn served as Archeological Field Technicians for TRC; Tyler Ball, Jessica Devlin, Michell Gilman, Madeline Laderoute, Lucas Pettinati, Jamie Richert, and Shawn Watson served as Archaeological Field Technicians for NSA. Theresa Hamby was the NSA Project Coordinator, Bruce Idol served as Field Director with some assistance from Tracy Millis, and Heather Millis served as Principal Investigator. Background research was conducted by Hannah P. Smith, Bruce Idol, and Heather Millis. The artifacts were processed by Rachael Hutchison and Chandra Wilson and analyzed by Johann Furbacher and Heather Millis. The graphics were created by Matt Paré and Hannah P. Smith, and artifact plates were photographed by Hannah P. Smith. Curation preparation was performed by Hannah P. Smith, Rachael Hutchison, Emily Terrell, and Johann Furbacher.

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1. INTRODUCTION

TRC Environmental Corporation (TRC) performed archaeological investigations in the National Register of Historic Places (NRHP) and Virginia Landmarks Register (VLR) listed George Washington Memorial Parkway (GWMP) in Fairfax County, Virginia on behalf of Maryland Department of Transportation, State Highway Administration (MDOT SHA) in support of two transportation projects (Figure 1.1). MDOT SHA and the Virginia Department of Transportation (VDOT) both propose improvements to I-495, the Capital Beltway, and adjacent portions of the GWMP associated with VDOT's Capital Beltway Express Lanes Northern Extension (NEXT) Project and MDOT SHA's I-495 and I-270 Managed Lanes Study (MLS). The LOD of VDOT's project is smaller than, and is contained within, MDOT SHA's project LOD and unless otherwise specified, "LOD" refers to the larger boundary of the MDOT SHA project. This document provides the results of those investigations, including Phase I survey of three areas along the GWMP Parkway, an intensive Phase I of a portion of site 44FX0373, and Phase II evaluation of six sites (44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, and 44FX3900). The results of the investigation for VDOT's NEXT project were reported separately as a Management Summary document (Millis 2019).

Phase I archaeological survey was conducted in three areas within the LOD—Area 1 is [redacted] of the George Washington Memorial Parkway (hereafter "Parkway" when referring to the roadway as opposed to the Park) [redacted] Area 2 is [redacted] of the Parkway [redacted] and Area 3 is [redacted] of the Parkway [redacted] (Figures 1.2 and 1.3). Previous investigations have been conducted in portions of this area along the [redacted] side of the Parkway (Barber et al. 2001; Dongarra and Harris 2005; Dongarra et al. 2006; Rickard 1986) and the [redacted] side of the Parkway (Barber et al. 2001). Those investigations identified a number of sites, and the project LOD cuts across four of those (44FX0379, 44FX0381, 44FX0389, and 44FX3160) and follows the [redacted] boundary of three others (44FX0322, 44FX0326, and 44FX0377). A concerted effort was made to examine the portions of the LOD in proximity to the final three sites, and Phase II investigations were conducted on the first four sites.

Intensive Phase I and Phase II investigations were scoped at six sites recorded in 1981, four of which are low density prehistoric artifact scatters located on upland landforms overlooking the [redacted] The exceptions are sites 44FX0374 and 44FX0379. Site 44FX0374 previously produced a relatively high density of lithic artifacts from a fairly confined area, including over 350 pieces of quartz debitage and cores, but no tools or temporally diagnostic material. Site 44FX0379 produced two quartz bifaces, one quartz core, 114 pieces of quartz debitage, six quartzite flakes, and one rhyolite flake in 1981. Site 44FX0373 was also recorded in 1981 and is represented by one quartzite and 10 quartz pieces of debitage. Site 44FX0381 was also recorded in 1981 and revisited in 2008 and 2017 and has produced a quartz side notched projectile point and two quartzite and 14 quartz pieces of debitage. Site 44FX0389 produced one quartz biface and 12 pieces of quartz debitage. Site 44FX3160 was recorded in 2005 and produced 78 pieces of quartz and quartzite debitage. Phase II investigations were conducted at a seventh site, 44FX3900, which was identified during survey for this project when one biface fragment and 14 pieces of debitage were found in three Phase I shovel tests. Unlike the other sites, site 44FX3900 is located on more gently sloping upland terrain different from the steeper ridges and valleys that [redacted] All seven sites may be associated with tool production activities centered in this area, and although they have been variously recommended with respect to NRHP eligibility, prior to this study they were all considered unassessed by the DHR.

The following chapters detail the methods and results of the Phase I and Phase II investigations. Chapter 2 provides information on the natural environment, Chapter 3 presents a summary of the culture history of the project region, and Chapter 4 details the research goals and methods. The results of the Phase I survey are presented in Chapter 5, the results of the intensive Phase I investigation of site 44FX0373 are presented

in Chapter 6, and the results of the Phase II investigations are presented in Chapters 7–12. Chapter 13 contains the conclusions and recommendations and is followed by a list of references cited in the text. The artifact catalogs are attached as Appendix 1, Appendix 2 is the updated site forms, Appendix 3 contains the ARPA permit, and Appendix 4 contains resumes for key project personnel.

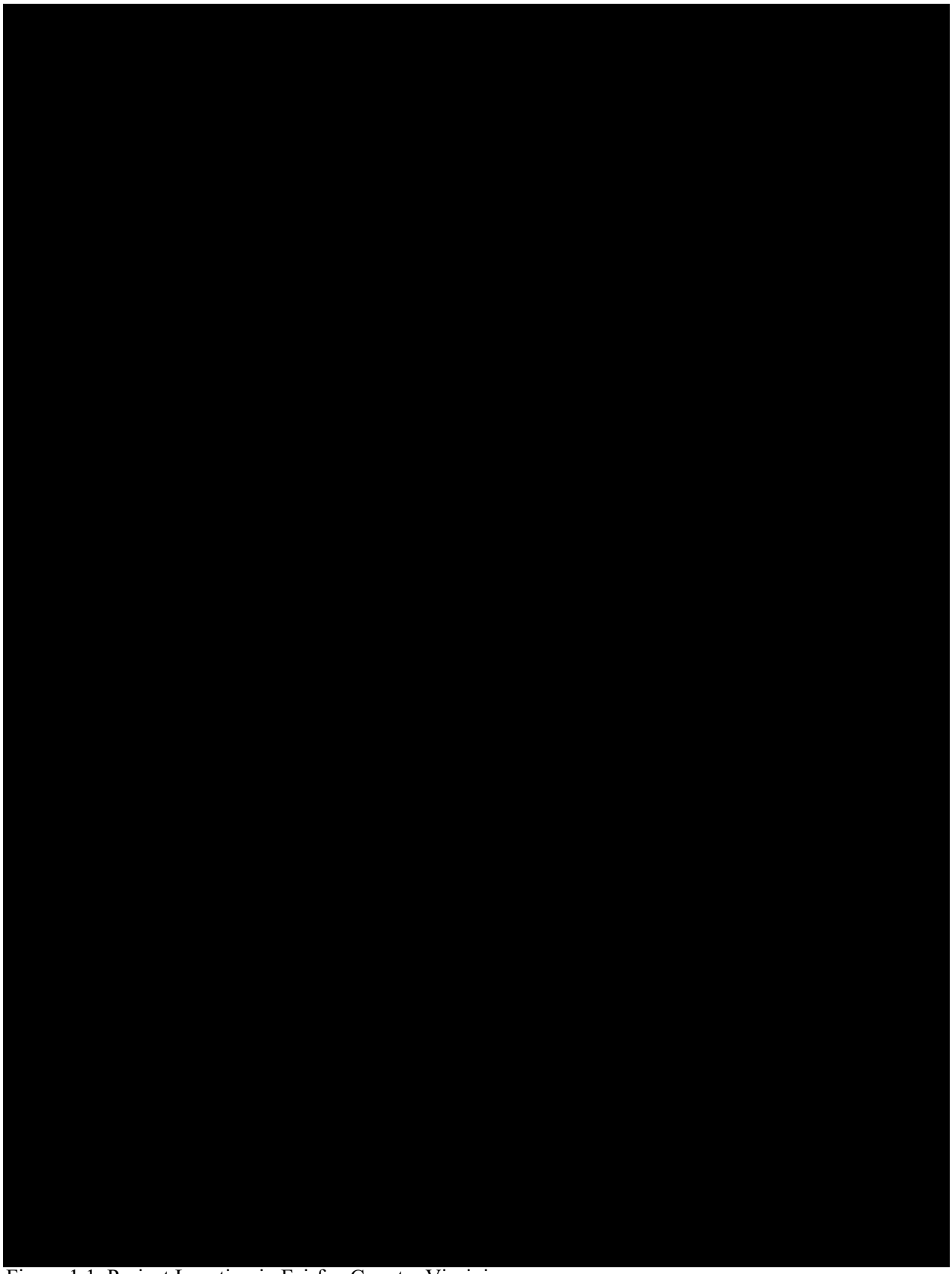

Figure 1.1. Project Location in Fairfax County, Virginia.

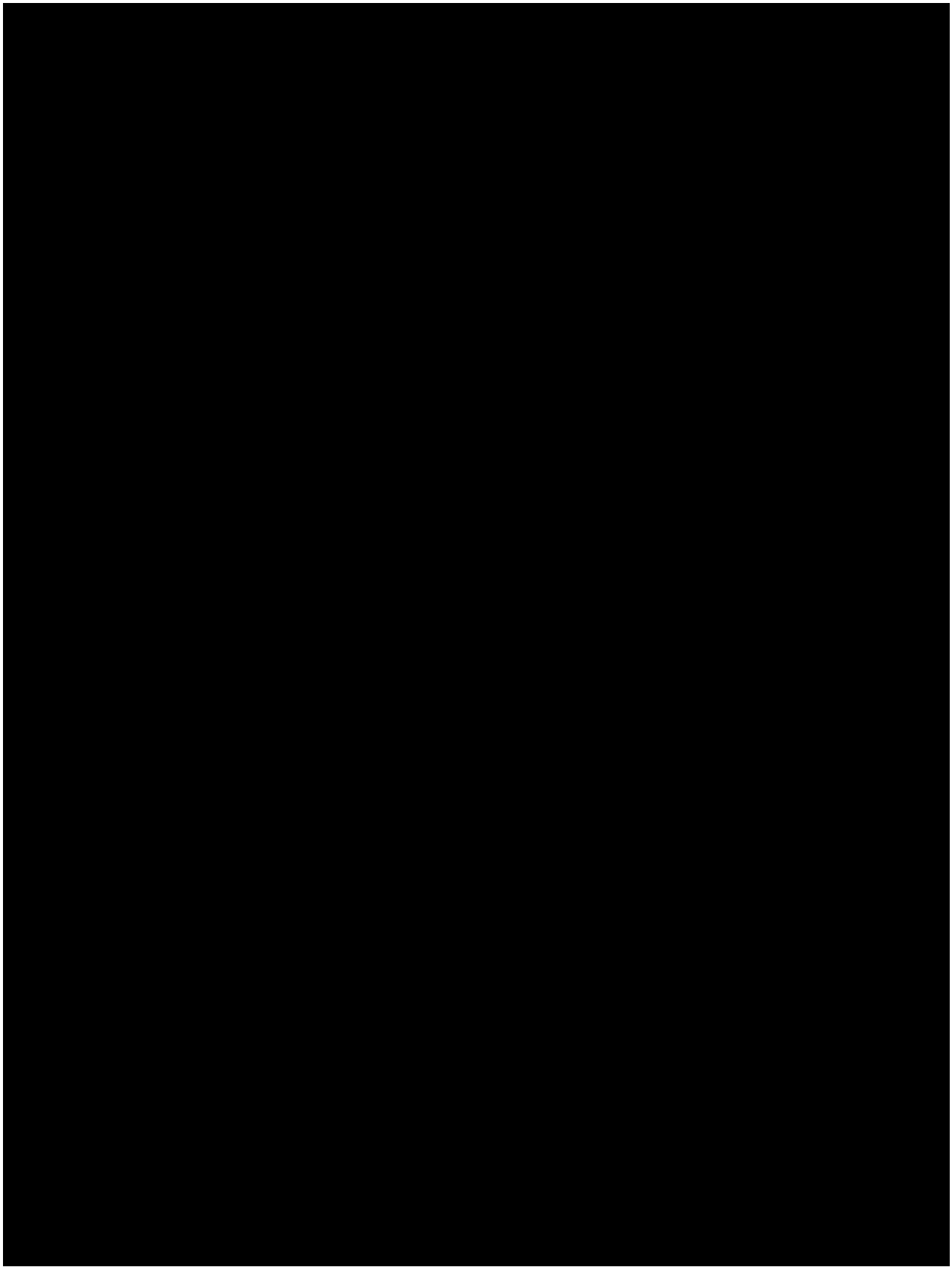

Figure 1.2a. Project area within GWMP (sheet 1, western section).

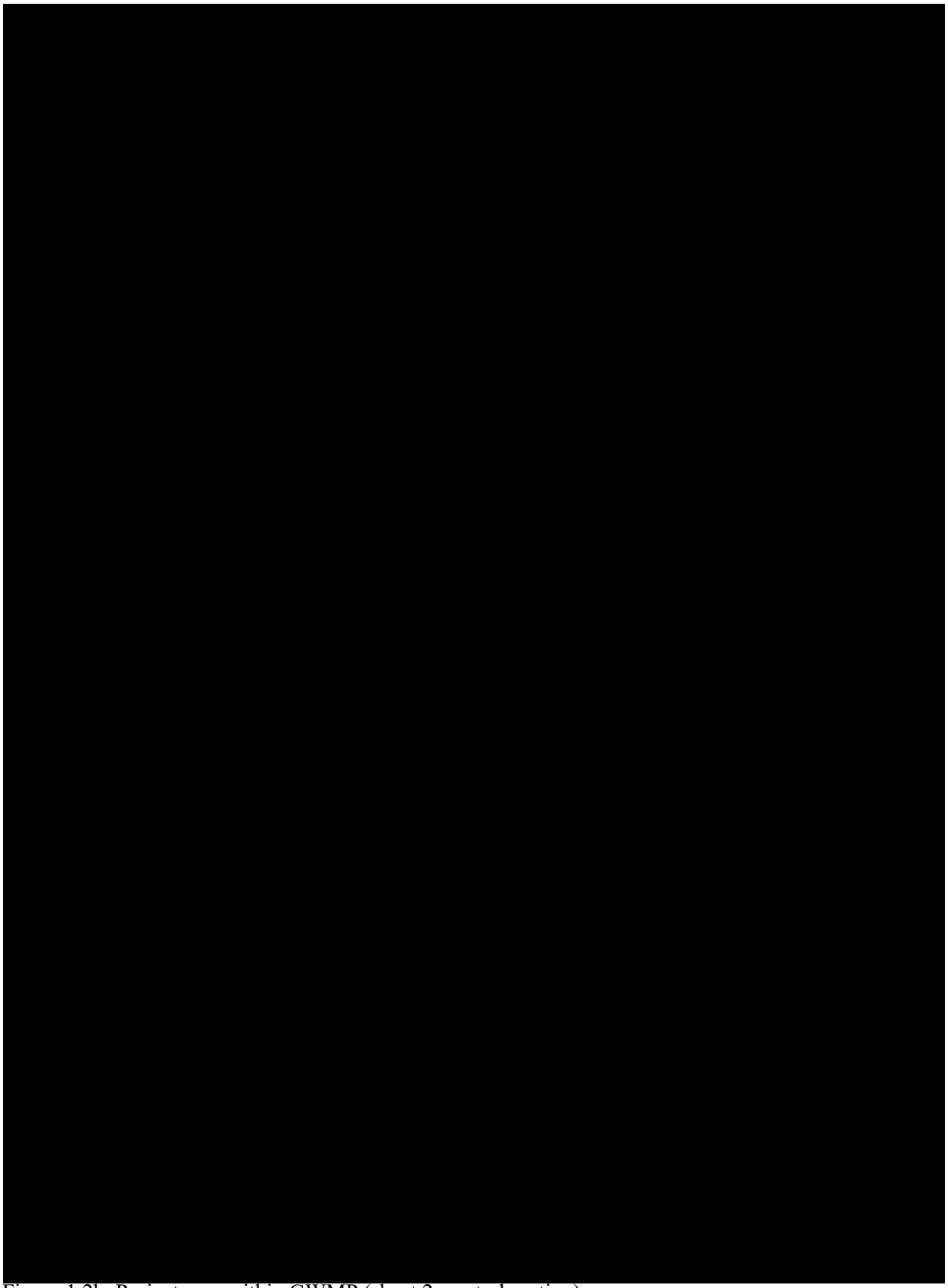

Figure 1.2b. Project area within GWMP (sheet 2, central section).

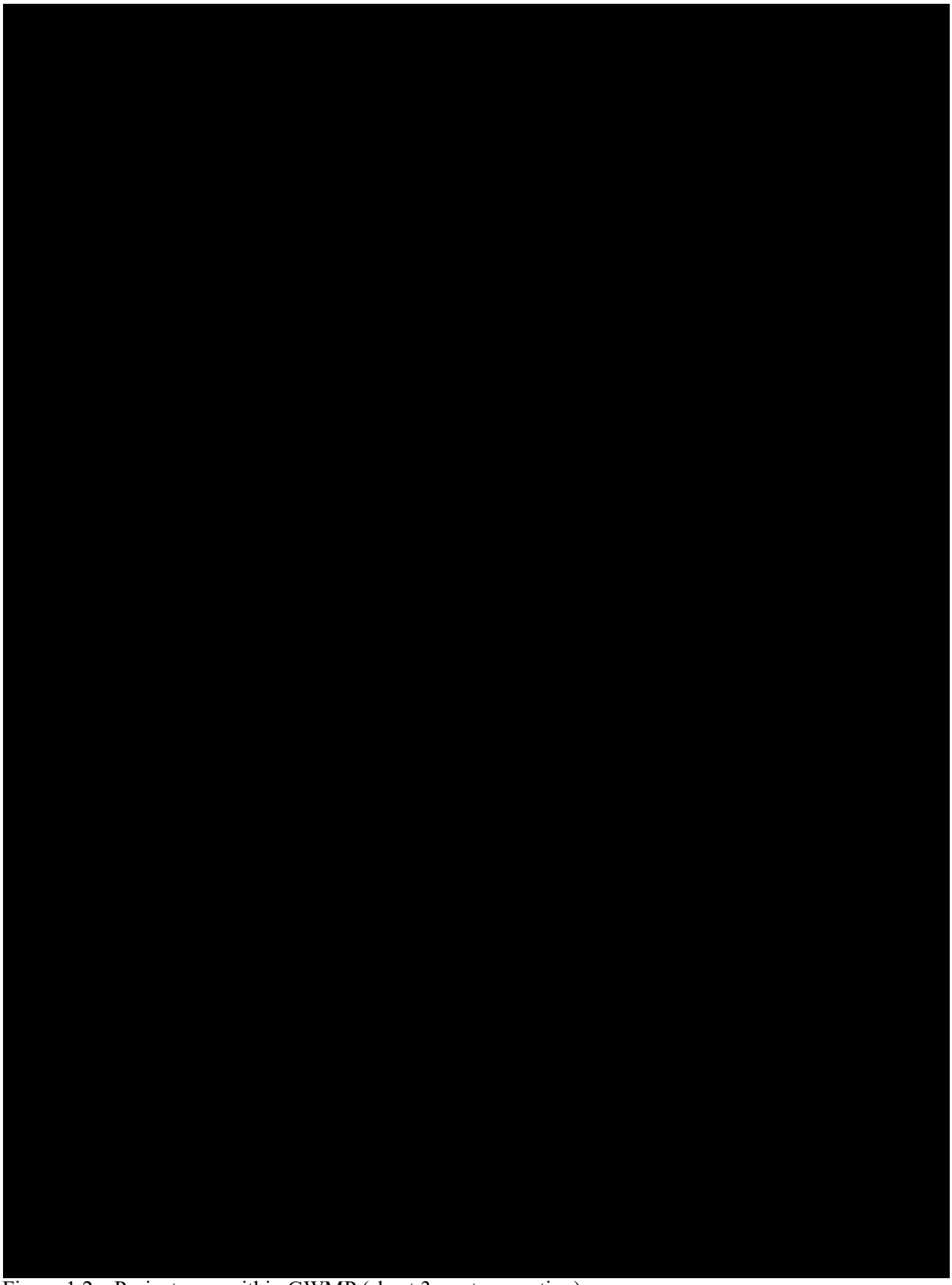

Figure 1.2c. Project area within GWMP (sheet 3, eastern section).

Figure 1.3a. Project area showing STPs and sites within GWMP (sheet 1, western section).

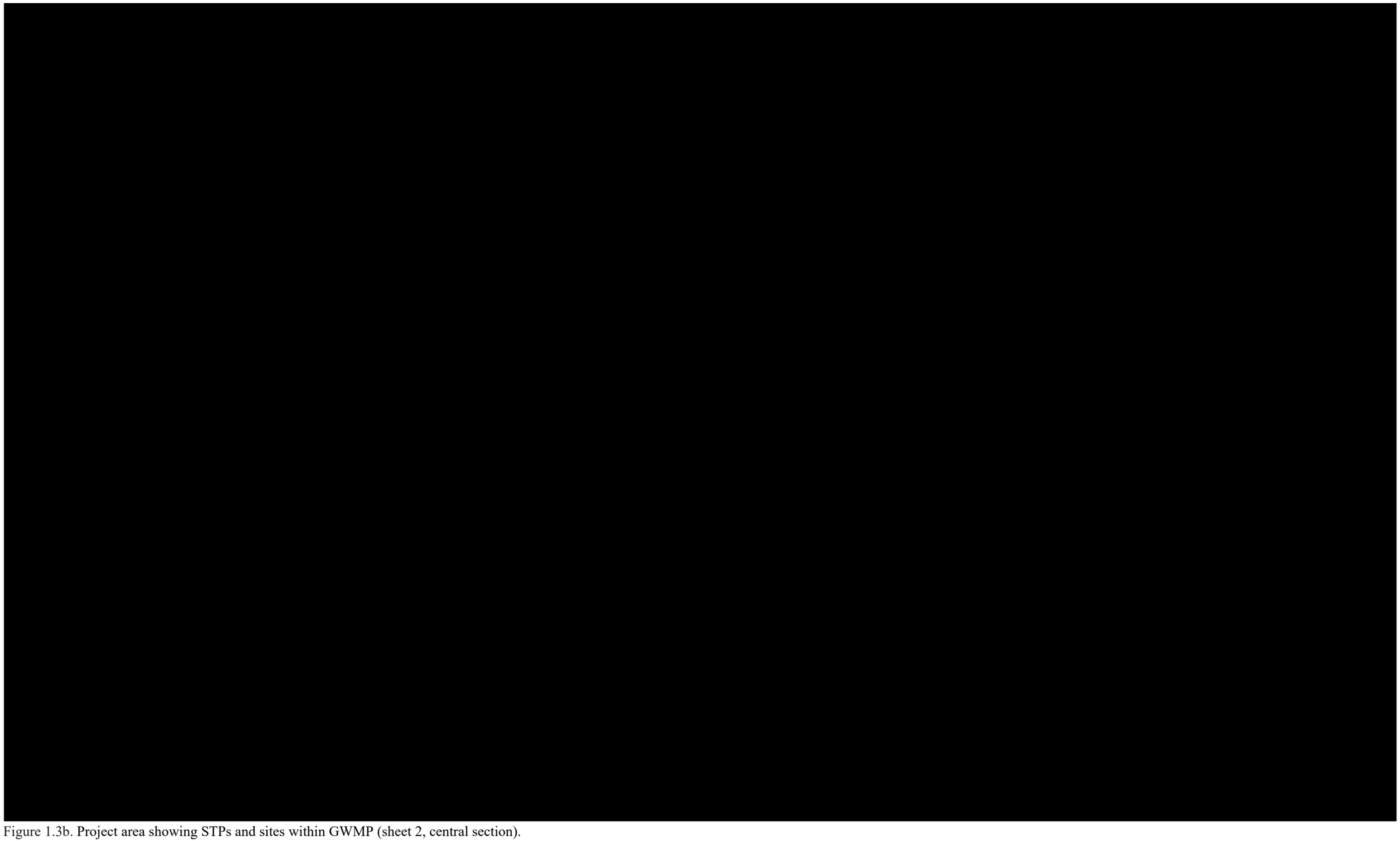

Figure 1.3b. Project area showing STPs and sites within GWMP (sheet 2, central section).

Figure 1.3c. Project area showing STPs and sites within GWMP (sheet 3, eastern section).

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2. ENVIRONMENTAL SETTING

PROJECT SETTING

The project area is located in northeastern Fairfax County, [redacted], [redacted] of the George Washington Memorial Parkway (Parkway), and [redacted] of I-495 (see Figure 1.1). The Phase I Survey Area contains three sections along the [redacted] of the Parkway [redacted]; together these sections comprise approximately 15.25 acres (see Figures 1.2 and 1.3). The project also included Phase II NRHP evaluation at five archaeological sites (a sixth Phase II site was later added after it was identified during the Phase I, but is incorporated in the Phase I acreage) and an intensive Phase I survey of a portion of another site (44FX0373) that collectively cover an area of about 10.22 acres. The project area is characterized by hilly, upland terrain dissected by two deeply incised tributaries [redacted] and includes low, rolling hills, ridge spurs and side slopes, intervening swales and saddles, and heavily sloped stream banks. The project area is entirely in forest, typified by a canopy of mature hardwoods, with paw paws and young saplings in the understory. These portions of the GWMP appear to have been logged in the early 20th century prior to federal acquisition.

PHYSIOGRAPHY AND HYDROLOGY

The project area is located in the Upland Section or Outer Piedmont sub-province of the Piedmont physiographic province (Fenneman 1938; Roberts and Bailey 2000). The fall line dividing this province from the Coastal Plain to the east is only 6.12 km (3.8 miles) southeast of the project area. Typically, this province is characterized by a mixture of high-lying Coastal Plain sediments and Piedmont upland materials. The section consists of highly dissected upland landforms with wide interstream divides that are undulating and rolling except along the lower tributaries (Porter et al. 1963). Local topography involves a series of low ridge tops, with associated ridge noses and side slopes divided by a network of small and moderate sized tributaries of the Potomac River. Elevations in the Survey Area range from approximately 130 ft above mean sea level (AMSL) at the [redacted] edge near [redacted] to 275 ft AMSL at the [redacted] edge near I-495. Most of the archaeological sites are situated on ridge tops/ridge noses at elevations ranging from 230–250 ft AMSL.

The project area is drained by several tributaries of the Potomac River. The [redacted] edge of the project area is situated on the side slope of a ridge top above [redacted] runs through the [redacted] portion of the project area; and [redacted]. The Potomac River runs southeast from the project area into the Chesapeake Bay, which empties into the Atlantic Ocean.

GEOLOGY AND SOILS

The project area is underlain by the Cambrian aged Sykesville Formation, which is described as a "light to medium gray, medium-grained metasedimentary melange consisting of a quartzofeldspathic matrix containing quartz 'eyes' and a heterogeneous suite of pebble to boulder and larger size olistoliths" (Rader and Evans 1993). Chemical weathering at the surface has created a layer of saprolite, which differs in thickness and other qualities.

The project area contains large alternating areas of Glenelg silt loam 7–15% slopes, Glenelg silt loam 15–25% slopes, and Glenelg silt loam 25–45% slopes, with two very small areas of Glenelg silt loam 2–7% slopes located in the eastern portion. This series consists of very deep, well-drained soils formed in residuum weathered from micaceous schist found on uplands of the Blue Ridge and the northern Piedmont (USDA NRCS 2019). A typical profile for Glenelg soils consists of an Ap1 horizon (0–6 inches) of brown

(10YR 4/3) loam underlain by a second Ap horizon (6–10 inches) of brown (7.5YR 4/4) clay loam above three Bt horizons (10–30 inches) of strong brown (7.5YR 5/8 or 5/6) to yellowish brown (10YR 5/6) clay loam, a BCt horizon (30–42 inches) of yellowish red (5YR 5/6) and yellowish brown (10YR 5/6) loam, a CBt horizon (42 to 54 inches) of yellowish red (5YR 5/6) and yellowish brown (10YR 5/6) loam, and a C horizon (54–76 inches) of strong brown (7.5YR 5/8), brownish yellow (10YR 6/8), and yellow (10YR 7/6) extremely channery sandy loam.

FLORA AND FAUNA

The project area is situated in the Piedmont Uplands (Ecoregion 64c) of the Northern Piedmont Ecoregion (Woods et al. 1999). This area is characterized by rounded hills, low ridges, relative high relief, and narrow valleys and is underlain by metamorphic rock (Woods et al. 1999:20). Fairfax County is located in the narrow strip of the Oak-Chestnut Forest Region (Braun 1950:194). The oak-chestnut communities are generally found on slopes and less often on flat areas. Historically, the forests of the region have been drastically altered by clear-cutting, agriculture, residential construction, and other development. Little or no primary forest vegetation remains in the Piedmont province, so there is considerable variety in the secondary communities (Braun 1950:243). Many areas now exhibit only secondary and tertiary growth. As a result, much of the ground surface has suffered from the adverse effects of numerous forces that have hastened erosion.

Prior to Euro-American settlement the varied environment of northern Virginia supported a rich and diverse faunal assemblage, including bison, black bear, mountain lion, elk, and wolf. Other potential game species present in the area during the prehistoric or early historic periods include white-tailed deer, squirrel, fox, woodchuck, beaver, weasel, skunk, opossum, raccoon, rabbit, turkey, and various migratory waterfowl species. Numerous avian species, particularly turkey, were also widespread in the area prior to historic-period modifications. A variety of aquatic and semi-aquatic species (most notably, shad, sturgeon, eels, shellfish, and crabs) would have been available in and along the Potomac River and the extensive network of creeks and rivers and associated wetland across the region.

MODERN CLIMATE

The climate of Fairfax County is predominantly continental, exhibiting humid and temperate conditions with warm summers and cold winters and prevailing winds from the west. Fairfax County generally enjoys 200 frost-free days per year between April and November, and the ground only freezes to shallow depths during the winter (Porter et al. 1963:2, 3). Summer and spring contain the wettest months of the year, and an average of 41 inches of rain falls throughout the year (Porter et al. 1963:2).

PALEOENVIRONMENT

Because human occupation of the North American continent spans two geological epochs and because human/environmental interaction has been shown to be critical to an overall understanding of cultural adaptations, it is necessary to consider changes that occurred in climatic and ecological conditions during this time. The occupation of the New World is known to have occurred from the later part of the Pleistocene (glacial) epoch into the Holocene (recent) epoch, spanning at least 13,000 years (Anderson et al. 1996:3–4). The transition between these epochs itself is particularly important because it is at this temporal threshold that some of the most dramatic changes in environmental and ecological conditions occurred.

Any paleoenvironmental reconstruction must consider changes in sea levels and climatic conditions as they would have influenced the floral and faunal resources of the region. With the vast amounts of water incorporated within the glaciers of the Late Pleistocene, sea levels were reduced by as much as 300 to 500

feet. At the end of the Pleistocene, the glaciers began to retreat, resulting in a substantial sea level rise. Researchers differ in opinion as to the rate of sea level rise, however.

Pleistocene forests of the region were predominantly spruce-pine, with some mixed hardwood (Wesler et al. 1981; Whitehead 1973; Wright 1981), but it is probable that the overall plant and animal communities were more complex and "disharmonious" than at present and were composed of a combination of modern and currently extinct species (Graham and Lundelius 1984; Kelly and Todd 1988:232). The climate was probably characterized by relatively cool summers and mild winters.

The patchy, park-like vegetation of the full glacial period was replaced with northern hardwoods during the late glacial period between 15,000 and 10,000 years ago. The climate became generally harsher, with more severe winter extremes in temperature. This period of rather dramatic ecological change coincided closely with the earliest movement of human groups into the eastern United States. The most apparent modification to regional communities during this ecological change involved extinction of numerous species. Meltzer and Mead (1983) suggest that by 10,000 B.P., as many as 35 different genera of mammals may have already vanished from North America.

The modern faunal and floral communities of the region were becoming established as early as 12,500 B.P. (Delcourt 1978). Pleistocene megafauna gave way to deer and smaller mammals as a result of the changing environment. These floral and faunal changes had a marked effect on the cultural adaptations made through time by the regional inhabitants during prehistory. Those adaptations are reflected in the known artifact assemblages for each temporal period.

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3. CULTURAL OVERVIEW

PREHISTORIC CONTEXT

Prehistoric occupation of the region is likely to have occurred continuously from at least 12,000 years before present (B.P.). Throughout this long time period, various changes in technology, settlement patterns, subsistence practices, population densities, social organization, ideology, and other aspects of human behavior have occurred. This chapter provides a general overview of the current understanding of these changes, as documented in the archaeological record of the region and is divided into chronological periods that are widely accepted for the cultural sequence of northern Piedmont Virginia: Paleoindian, Archaic, and Woodland.

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

The first extensive human occupation of the Middle Atlantic region for which we have indisputable evidence occurred around 10,000 B.C. The chronology of the Paleoindian period has been the subject of much ongoing debate in recent years, however, and there is increasing evidence of earlier occupation in the Middle Atlantic region. One site in particular, the Cactus Hill site (44SX202) in Sussex County, Virginia, contains well-documented pre-Clovis material in intact contexts, and further excavation may indeed one day alter our picture of the initial settlement of the North American continent (Boyd 2003; McAvoy and McAvoy 1997). For now, the most comprehensive model of the Pleistocene settlement of North America consists of a broadly defined Paleoindian culture (see Meltzer 1988).

The beginning of the Paleoindian period occurred during the terminal Pleistocene epoch and coincided with the Younger Dryas event, a cooling and drying trend that interrupted the progression of deglaciation and rising sea levels. The terminal Pleistocene is believed to have been a period of rapid change in landscapes and the biotic communities of North America, evidenced by the extinction of some 35 genera of mammals by the early Holocene (Meltzer and Mead 1983). The timing of the close of the Paleoindian period is difficult to ascertain, primarily due to varying ideas regarding how cultural periods should be defined. Some researchers consider the Paleoindian period an adaptation to Pleistocene conditions, and accordingly time its conclusion with the onset of the Holocene, while others see a technological trajectory that continues well into the beginning of the Holocene.

Paleoindians in Virginia have generally been characterized as selectively mobile populations, operating within a prescribed territory, but with an eventual return to a central base (Gardner 1977:261; Turner 1989:77). Based on the Flint Run complex settlement system, their nomadic tendencies were not necessarily seasonally oriented, but were to some degree tied to tool kit depletion and social factors. The archaeological inventory of the Paleoindians of the Eastern Woodlands is limited to stone projectile points and a variety of chipped stone flake tools, such as endscrapers, gravers, retouched blades, and burins. Studies of known Paleoindian sites, especially Flint Run and Williamson, and studies tracing specific cherts and jaspers back to the original source locations have consistently documented a recurring emphasis on high quality lithic sources and a focus on wide-ranging foraging rather than collecting subsistence patterns. This suggests a settlement pattern of "tethered nomadism" (Custer and Wallace 1982:163; Turner 1989:82). These bands are thought to have hunted now-extinct megafauna, like mastodon (*Mammut americanum*) and bison (*Bison antiquus*), as well as smaller species of game, and gathered flora that grew in the cooler climatic conditions of the late Pleistocene. Other sources of food likely included the available aquatic and avian species.

Turner (1989:84) estimates that in Virginia, Paleoindian population levels reached no more than 1,500 by 8000 B.C. As a result of this low population density, as well as the time depth associated with Paleoindian occupation, few sites from this period have been identified. The Flint Run (Gardner 1974), Williamson

(McCary and Bittner 1978), and Cactus Hill (McAvoy and McAvoy 1997) Paleoindian complexes in Warren, Dinwiddie, and Sussex counties, respectively, stand as notable exceptions. Additionally, the Brook Run jasper quarry (44CU0122), located in Culpeper County, contains substantial Paleoindian and Early Archaic period (ca. 10,000–6000 B.C.) deposits associated with the acquisition of this high quality lithic material, which was likely used by inhabitants across the region.

Archaic Period (ca. 8000–1200 B.C.)

The Archaic period began around 8000 B.C. and is traditionally divided into three subperiods: Early (8000–6500 B.C.), Middle (6500–3000 B.C.), and Late (3000–1200 B.C.), largely based on changes in projectile point morphology. In general, the Archaic tradition is associated with two environmental changes that occurred in the terminal Pleistocene and early Holocene epochs: 1) large game species, which either became extinct in the area or migrated north with the ice where the arctic tundra environment suited them, were replaced by modern, smaller species; and 2) coniferous forests were replaced by mixed deciduous forests dominated by oak, providing a mast producing forest environment (Barber 2003). The Archaic period can also be distinguished within the archaeological record by two technological changes that clearly separate it from the Paleoindian period—the termination of fluted point manufacture and the advent of numerous regional projectile forms and functions as well as a variety of specialized artifact types.

As glacial ice retreated northward, such species as white-tailed deer, turkey, squirrels, rabbits, and fish, as well as vegetal resources that included nuts, berries, seeds, bulbs, and greens, were available for longer periods throughout the year. This broad range of fauna and flora was perhaps more available than in the proceeding Paleoindian period. The hunter-forager lifestyle in the Archaic period was highly efficient and resulted in a wide and even adaptation to the total natural environment (Jennings 1989). This intensive exploitation of local resources led to increased population growth over time throughout the Archaic period in the eastern Woodlands, which decreased group territory size (Anderson and Hanson 1988). Groups gradually became less mobile and more sedentary as sites were reoccupied annually.

Early Archaic settlement systems in Virginia involved highly mobile groups with a broad-based subsistence pattern, relying on hunting supplemented by fishing and gathering. Settlement patterns followed a forager based system, including quarry, quarry reduction, base camp, base camp maintenance, and hunting camp sites (Barber 2003). Groups are seen as having a primary resource focus or foci, such as important quarry sites, to which they returned regularly as tool kits became depleted. These groups then rotated through other resource areas, which had their own complement of base camps and associated hunting and foray sites. There is some evidence that the Piedmont and Coastal Plain regions may not have been as heavily exploited as some other regions of Virginia during this period (Barber 2003).

Some studies of Early Archaic lithic technologies have indicated that there is a certain degree of continuity from the Paleoindian period (Custer 1990; Gardner 1980). Raw material use continued to focus on high quality cryptocrystalline materials through the Early Archaic into the Middle Archaic, and in some portions of the Mid-Atlantic, more than 90 percent of the tool kit from Paleoindian and Early Archaic assemblages is manufactured from a restricted range of cherts, jaspers, and silicified slates. Some research indicates that this reliance had begun to decline by this time and certainly some sites like Cactus Hill and other Piedmont and Coastal Plain sites show a strong preference for locally available non-cryptocrystalline lithics during the Early Archaic period (Barber 2003; Egloff and McAvoy 1990). Some sites have revealed a gradual shift to the use of locally available quartz or quartzite materials over the span of the Early Archaic period.

Diagnostic artifacts of the Early Archaic include chipped stone tools with side and corner notched hafting elements such as Dalton, Big Sandy, Palmer, and Kirk types. Stemmed points such as Kirk stemmed and bifurcate based points such as St. Albans, MacCorkle, LeCroy, and Kanawha types and were manufactured in the later part of the Early Archaic (Coe 1964; Custer 1989; Dent 1995; Gardner 1987; Wesler et al. 1981).

While the Early Archaic tool kit in most respects remained relatively unchanged from Paleoindian time in terms of overall composition, there are recognized changes in hafted biface forms, and manos, metates, and chipped stone celts were introduced. Nevertheless, a wide variety of unifacial and bifacial tool forms continued to be used during this period (Custer 1990; Egloff and McAvoy 1990). With the bifurcate tradition comes a decrease in the frequency of unifacial tools and the introduction of bipolar technology as the use of locally available cobble quartz and quartzite increases (Geier 1990). Locally obtainable rhyolite is also well used in areas to the north (Steponaitis 1980). Also associated with the bifurcate tradition is an increase in the use of expedient tools (Little 1995:91). The increased reliance on local material is interpreted as implying a less mobile lifestyle (Ebright 1992:32).

The Middle Archaic period is generally seen as a difficult time, coinciding with the warmer and drier Hypsithermal Interval (Pielou 1991:269–290). This period can be distinguished from Early Archaic times by an increase in ground stone tools and a more diverse stone tool kit. Diagnostic bifaces in the region include Stanly, Morrow Mountain, and Guilford types. Ground stone items, like atlatl weights, became increasingly common (Coe 1964). Ground stone tools, which appeared occasionally as celts in the late Paleoindian period, were diversified after 7000 B.C. (Custer 1990:40), and net sinkers were introduced (Egloff and McAvoy 1990:64). Trends in tool use typical of this period include an increase in the use of ground stone tools and a reduction in the use of endscrapers and unifacial tools, with curation of tools becoming minimal.

Small hunting and gathering bands probably still formed the primary social and economic units, accompanied by a high degree of mobility (Stevens 1991:204–205). Settlement appears to have been more serialized and redundant than for earlier periods, both in terms of site structure and site function. Mobility was not necessarily decreased (cf. Stevens 1991), but movement was not as tightly linked to quarry areas; tool kit replenishment was carried out as needed, more expediently, with increased reliance on locally available materials. Trends in raw material use and procurement began to show increased use of locally available quartz and quartzites, which some researchers have suggested reflects a reduction in territorial size. While population growth may have contributed to more restricted ranges during the Middle Archaic, the expansion of the oak-hemlock and oak-chestnut forests may have also played a role by increasing the carrying capacity of certain areas and reducing the need for large territorial ranges as a method of risk management (Custer 1990; Egloff and McAvoy 1990; cf. Pielou 1991:269–290).

Changes in climate, vegetation, and hydrology near the end of the Middle Archaic caused shifts in the distribution of resources in the Mid-Atlantic area (Carbone 1976), leading to increases in the density and diversity of available riverine resources and making such areas the most attractive for resource exploitation in a given territory. The net effect of increasing sedentism was to increase the risk of irregular diet that had previously been offset by higher mobility. Custer (1990) suggests that Late Archaic groups counteracted environmental variation by intensifying the exploitation of subsistence resources through various technological developments and by relying on exchange networks to provide depleted or absent resources. Opportunities for the establishment of these exchange networks may be related to reduced territories and increased sedentism as well. A reduction in territorial range meant that less energy was necessary to conduct trade with neighboring groups, and increased sedentism meant that information concerning the location of such neighboring groups would be more reliable.

Most models for Late Archaic settlement describe patterns of decreasing mobility with an increasing focus on the major river floodplains over time (Mouer 1991). The Late Archaic period can best be characterized as a period of gradually increased use of riverine resources. However, it is clear from the number of sites in non-riverine settings that Late Archaic groups exploited a wide range of microenvironments that included both riverine and upland resources (Klein and Klatka 1991:155). Late Archaic sites in the upland areas have been described as diverse, limited-function sites resulting from the “foraging” strategy described by Binford (1980), although Blanton (2003) argues that the evidence from across the state indicates a varied strategy,

with foragers and collectors living in the same areas and interacting with each other in various capacities. Climatic conditions were warm and dry, and the transition from a pine dominated boreal climate to an oak- or deciduous-dominated temperate climate was completed during this period. Sea level appears to have been relatively stable, with only minor fluctuations on the order of 1 to 2 m, although a number of substantial Late Archaic period sites have been found submerged in the Chesapeake Bay, and there are likely others under other major drainages (Blanton 1996; Carbone 1976; Tanner 1993).

The Late Archaic period in the Middle Atlantic region is identified by two series of diagnostic projectile point types. The earlier, narrow blade series includes the Lamoka, Vernon, Clagettt, and Poplar Island, and Piscataway types, and the later, broad blade series includes the Savannah River (large and small varieties) and Susquehanna (Dent 1995; McAvoy, Joseph M. and Lynn D. McAvoy 1997; Ritchie 1971; Stephenson and Ferguson 1963; Steponaitis 1986). Savannah River points are believed to have also functioned as multi-purpose cutting implements. Raw material for such points is generally local and is often quartzite (McLearen 1991:95). Lithic preference appears to have been more directed toward durable quartzite material with edges of enduring quality rather than cryptocrystalline materials (Mouer 1991). Steatite bowls and a number of other artifact types are also unique to this period. Evidence of incipient horticulture has been recovered in the region, along with thick shell middens, large fire cracked rock hearths, storage pits, ground stone axes, adzes, gouges, plummets, large winged atlatl weights, and a dramatic increase in the number of sites (Egloff and McAvoy 1990:64). Also, ceramic pottery technology developed in the Southeast between 2500 and 2100 B.C. and spread northward into the Coastal Plain of Virginia and along the Potomac and James rivers by 1200 B.C. (Egloff 1991).

Woodland Period (ca. 1200 B.C.–A.D. 1607)

The Woodland period in this portion of Virginia is divided into three sub-periods: Early (1200 B.C.–A.D. 300), Middle (A.D. 300–1000), and Late (A.D. 1000–A.D. 1607). In many ways the Early Woodland period marks only a gradual transition in both subsistence and material culture from Archaic times. Undoubtedly this is because a similar deciduous forest environment was exploited throughout most of both periods. Various tools introduced in the Archaic, like drills, wedges, hoes, nutting stones, pestles, and awls, also appear in the archaeological record of the Woodland period. They were used for processing animals and plants, woodworking, and textile manufacturing. Although exploitation and subsistence patterns are generally similar in both Early Woodland and Archaic times, important ideological and technological changes occurred in the Woodland period that clearly distinguish them from the Archaic.

A number of researchers use the introduction of pottery as a marker for the beginning of the Early Woodland period, but this period is also characterized by an increase in permanent and semi-permanent settlements. Factors that were instrumental in increased sedentism, which probably have their roots in the Archaic and the changing Holocene environment, include not only increased efficiency and focus in exploiting localized resources, but also the development of social institutions that encouraged the production of surplus goods and the stabilization of particular habitats that allowed for the radiation of important food resources. The Early Woodland period also saw the beginnings of widespread experimental agriculture or horticulture (Watson 1989). Various plants, including amaranth, chenopodium, goosefoot, maygrass, knotweed, sumpweed, little barley, and sunflower, began to be exploited. Marshelder, goosefoot, cucurbits, and sunflower began to show morphological variations suggesting that the plants had been domesticated by this time (Smith 1992). Combined with a favorable habitat, the growth of storage technology, and the establishment of outlying exploitative camps that allowed for the expansion of the local resource base, these factors would have been adequate for the establishment of an increasingly sedentary lifestyle (Gardner 1982:56).

One model useful in examining Woodland settlement is a logistical model of moderate to large base camps, likely seasonal, with associated procurement/foray camps (Binford 1980; Blanton 1992). Base camps are

established by the corporate group and utilized on a seasonal basis, with smaller groups utilizing associated foray/procurement camps. This model would produce a series of similar base camps with low densities of artifacts/features, and numerous, more widespread foray/procurement sites and special function sites. This model is applicable to Early Woodland sites on a broad basis, but regional variation is clearly present in many systems (Gardner 1982).

Throughout most of Virginia, the transition from Archaic period carved soapstone bowls to Woodland period ceramics developed as such types as Marcey Creek and Seldon Island were molded to resemble their soapstone predecessors (Mouer 1991). Broken soapstone bowls possibly were crushed into temper for the manufacture of the ceramics. Where soapstone was unavailable, other materials may have served the same function in the Early Woodland. Early Woodland ceramic types in the vicinity of the project area include Marcey Creek and Accokeek. Marcey Creek ware is coil-constructed or hand-molded and tempered with crushed steatite (Egloff and Potter 1982:95). Accokeek wares are thin-walled and tempered with sand and/or crushed rock; they include plain and cordmarked surface treatments (Stephenson and Ferguson 1963:96–100). Diagnostic projectile points for this period in the region include the Rossville and Calvert styles (Kirchen 2001:44; Potter 1993; Stephenson and Ferguson 1963; Waselkov 1982).

The Middle Woodland period is characterized by an intensification of long-distance trade throughout much of eastern North America, particularly involving the exotic trade items associated with the Hopewell culture. Although centered on the Ohio River valley, the Hopewell Interaction Sphere (Caldwell 1964; Seeman 1979) reached into southwestern Virginia and western North Carolina (Chapman 1973; Keel 1976). Horticulture is thought to have assumed increasing importance, and the cultivation of maize may have been initiated at this time, although it did not gain prominence until the subsequent Late Woodland period. Numerous large and small sites have been found dating to this period, suggesting periodic aggregation and dispersion or some kind of a village/base camp specialization dichotomy in the settlement patterning.

Middle Woodland ceramics include Pope's Creek, which is tempered with medium to coarse sand and occasional quartz inclusions and is typically net impressed (Egloff and Potter 1982:99; Stephenson 1963:94). Mockley ware, a shell tempered ceramic that is plain, cordmarked, or net impressed, dates to about 200 A.D. in Virginia (Egloff and Potter 1982:103; Potter 1993:62). Diagnostic projectile points for this period in the region include the Selby Bay, Jacks Reef, Fox Creek, and Nomini styles (Ebright 1992; Potter 1993; Stephenson and Ferguson 1963).

The number and size of the sites began to rise dramatically during the later portion of the Woodland period, suggesting a significant population increase (Hantman and Klein 1992). Settlement patterns begin to reflect a less mobile strategy with a shift toward the major rivers and a continuing development of an economy with more emphasis on the cultivation of domesticates such as beans, maize, and squash. Gathering and hunting, however, remained an important aspect of the subsistence pattern within the horticultural economy. Trade and exchange networks were established and use of nonlocal material increased. Distinct cultural groups with boundaries and localized styles emerged during this period. A cultural boundary along the Piedmont/Coastal Plain fall line becomes apparent, with the Siouan speakers on the west and the Algonquian speakers on the east (Potter 1993).

Larger Woodland villages tended to be located on broad riverine terraces with the widest diversity of resources, which is in line with a model of decreased mobility and more localized economies. Upland areas continued to be used as well, with smaller sites such as hunting stations or outlying farmsteads and hamlets often appearing near upland streams and on fertile ridge tops. Intrasite structure also became increasingly specialized. For example, Egloff (1992) has derived a description of the "typical" village site in the later part of the Late Woodland based on the excavation results from a number of villages in western Virginia. An oval or circular palisade enclosed most of these villages, with gates formed by overlapping palisade lines. Domestic structures were commonly located adjacent to the palisade, surrounding an open plaza area.

The arrangement of houses, burials, and storage pits suggests a moderate degree of community organization (Egloff 1992:207). Houses were circular, oval, or square, 4–10 m across, and often built with large interior support posts arranged around a central hearth. Cylindrical, basket, and bell-shaped storage pits are often found within these structures, with larger bulk storage pits usually found near the palisade line.

Artifacts diagnostic of the Late Woodland period include ceramic wares such as Potomac Creek, thin-bodied wares with crushed quartz or sand temper, and the Townsend series, with fabric impressed exteriors and shell temper (Egloff and Potter 1982). Various sizes of triangular projectile points are diagnostic of the later Woodland periods (Mouer 1991:32). Triangular projectile points are generally linked to the introduction of bow and arrow technology, the timing and nature of which probably varied across the region (see Nassaney and Pyle 1999). A temporal sequence for this period beginning with the large Levanna projectile points, shifting to smaller Levannas, and finally to the small Madison projectile points is noted (Potter 1993).

Toward the end of the Late Woodland (A.D. 1350–1600), social organization changed. Populations declined, and once dispersed hamlets were replaced by closely aggregated villages fortified with stockades. Evidence suggests that territorial boundaries between chiefdoms were closely maintained. Intergroup hostility escalated into endemic warfare by ca A.D. 1500 (Potter 1993:147). European conquest brought an end to the Late Woodland lifestyle, although many relics of the material trappings, belief systems, and social structure of classic Late Woodland society lingered into the 18th century.

HISTORIC CONTEXT

Settlement to Society (1607–1750)

Although the Spanish may have explored the Chesapeake Bay and possibly the Potomac River, the earliest systematic exploration of what is now Fairfax County followed the settlement of Jamestown in 1607. Directed by the King's Council, which oversaw the activities of the Virginia Company, to locate any river that might reach the Pacific Ocean, John Smith explored the Chesapeake Bay in 1608, and described a number of villages along the Potomac (Cissna 1990:28; Smith 1986). His 1612 map depicts a number of native villages in the vicinity of Fairfax County, including Namoraughquend, a non-chiefly village, as well as chiefly villages of Tauxenent (apparently part of the Powhatan confederacy), Nacotchanck, and Moyaons (thought to be the then-principal town of the Piscataway Indians) (Cissna 1990:28).

Permanent settlement was slowed by frequent attacks by Native Americans who resisted encroachment on their lands. Land was granted in the Commonwealth of Virginia by the crown, usually with the stipulation that the land be "seated," or improved by the construction of a building and the clearing of land. Land that was not improved within three years reverted back to the crown. This created a great deal of speculation as grants overlapped each other and rightful title often became tangled in legal disputes. In 1649 the lands in northern Virginia (the Northern Neck) were granted by King Charles II to seven of his supporters, and by 1690 Thomas Fairfax owned a vast 5.3-million-acre tract stretching from the Rappahannock to the Potomac, which was gradually deeded to planters. In 1651 Robert Turney acquired a patent for 2,109 acres at the mouth of the Occoquan River in what is today Fairfax County, and by 1655 all of the land along the northwest side of that river to the falls had been claimed (McCartney 1986; Netherton et al. 1978:1-12).

European/Euro-American settlement was confined to the major river valleys until the end of the 17th century, although trappers were active among the numerous Native American towns (Cissna 1990). In 1719, Thomas Lee, an agent for Lady Catherine Fairfax acquired 2,862 acres (the Langley Estate) between Great and Little Falls, a tract that likely includes the current project area (Dongarra and Harris 2006:19). Portions of this property were leased to tenant farmers, and settlement increased after 1720. By the 1740s, a network of roads extended from the Fairfax County Courthouse, then located at Tysons Corner, and there are

indications that a contemporary or somewhat later road paralleled the river (Boye 1826; Ellicott 1794; Madison 1807; Netherton et al. 1978:15-19).

Any settlers who had pushed up the Potomac during this time retreated to safer ground during Bacon's Rebellion, when Native American groups went on the offensive. By the closing years of the 17th century, settlers began to return to the area, and by 1730 it had become necessary to create a new county, Prince William, from the northern part of Stafford County. Twelve years later (1742), Fairfax County was created from parts of Prince William County. Few towns were located in the area, since settlement was concentrated along navigable waterways where planters could load their crops directly onto merchant ships, which brought manufactured goods from England that were needed on the plantation. Much early settlement in the region was concentrated around Pimmit Run to the south and southeast, where a ferry crossing was established about 4½ river miles southeast of the survey area (Cissna 1990:35-37; Curran 1976: Montague 1970).

The money crop for all Virginia farmers in the 18th century was tobacco, on which many had built their fortunes and with which many had ruined their land. The plant was labor-intensive and rapidly depleted nutrients from the soil (Catlin 1988). Nevertheless, the crop formed the basis of the economy, was an accepted medium of exchange, and had secure markets in Europe. The availability of cheap land farther west encouraged wasteful farming practices, and by mid-century, evidence of emigration of farmers from the Fairfax County area to fresher lands to the west can be found.

In the mid-18th century, the population along the south side of the Potomac remained sparse. In 1743, Fairfax County counted 1,586 taxable persons (Greene 1932:150). Alexandria, chartered in 1748, was the first town in the area. Although early landholdings were often large, planters were often "land rich and cash poor." The homes of the wealthiest planters were comfortable but not luxurious, and most farmers of the 18th century constructed their houses of logs. As the natural clay deposits of the county were exploited, brick dwellings began to appear. Many early residents of the area were indentured servants, who served a set period of time as a servant of another to pay for their passage overseas. After their service was up, they may have purchased land of their own or, more likely, entered into a lease agreement with a landholder for a specified tract for a specified time. Others were simply tenants, paying an agreed price to reside on the landlord's property for a year. Another type of laborer found in the county was slaves, mainly confined to the largest of the agricultural estates. Large plantations that operated at this time include Belvoir, Gunston Hall, Mount Vernon, and Ravensworth (Trieschmann 2004:20).

The parishes were divisions within the counties governed by a vestry of 12 men and served by a central church. The church was Anglican, the official church of the Commonwealth, to which all citizens, members and dissenters alike, paid taxes. Three churches in Truro Parish were established by 1760, including Pohick Church, Falls Church, and Alexandria (Trieschmann 2004:21). Apart from traditional duties of the church, as part of the civic structure of the counties vestrymen were often called upon to perform secular duties such as enforcing regulations on trade and agriculture and acting as grand juries.

The only industries in the first half of the 18th century were mills for grinding corn, tobacco warehouses, or cottage industry artisans (such as shoemakers and wheelwrights), who were generally called upon to make repairs rather than manufacture goods, which was illegal in the colonies.

Colony to Nation (1750–1789)

The character of what is now Fairfax County changed during the second half of the 18th century, as some of the large tracts were divided into smaller parcels for sale to the growing number of settlers and often farmed by tenants (Netherton et al. 1978:27). Alexandria, just outside the current boundaries of the county, rose to prominence as an important trade and political center; planters began to move away from tobacco

(which rapidly depleted the soils) as the primary cash crop, relying instead on wheat, corns, and other grains (Catlin 1988; Cissna 1990:37). This shift spurred the development of mills and related settlements, especially in the Pimmit Run vicinity south of the project area (Curran 1976:7, 40). Georgetown was established downstream during the 1750s and rivaled Alexandria as an important economic center.

Prominent citizens of northern Virginia played an important role in the creation of a new country. George Washington and George Mason (both of whom resided in what was then Fairfax County) were the principal agitators against British tyranny between 1765, when the Stamp Act was passed, and the outbreak of hostilities in 1775. Mason drafted the Fairfax Resolves, which were later adopted by the state legislature and which stated the case of the colonists. Both Washington and Mason were well-to-do planters who fought not only for principle but for self-interest as well. The series of economic restrictions passed by Parliament was intended to protect the interests of English merchants and manufacturers and greatly limited the opportunities of the colonists. Washington was instrumental in organizing Committees of Safety and later the Continental Army. No significant military action took place in Fairfax County; Washington avoided visiting Mt. Vernon until near the end of the war, perhaps in part to avoid having his estate targeted for attack (Hamilton Historical Records 2019).

Early National Period (1789–1830)

In 1790, the newly organized Congress under the recently adopted Constitution established the Potomac River as the site for a 10 square mile reserve on which the capital of the new nation was to be built. Philadelphia was to remain the capital for the next 10 years, however. The boundaries for the Federal District were surveyed in 1791, with the southern point located below Alexandria (a portion of Fairfax County was ceded to the Federal Government as part of the establishment of Washington, D.C., but was later returned as part of Arlington County). The site included land in both Maryland and Virginia, but the city of Washington was to be laid out on the Maryland side of the river. In 1801, the Maryland portion was designated Washington County, while the Virginia portion, which included the town of Alexandria, was called Alexandria County.

The federal census of 1790 was the first to distinguish the area that is now Fairfax County. In that year the county's population of 12, 320 included 2,136 white males over 16, 1,872 under 16, 3,601 white females, 4,574 enslaved persons, and 135 "free persons" (Greene 1932). A courthouse was established near the center of the county in 1800 at Fairfax (Fairfax Courthouse, now the city of Fairfax). During the War of 1812, a number of refugees from the Tidewater region relocated to northern Fairfax County (Catlin 1988:53).

The late 18th and early 19th centuries are notable for a number of transportation improvements. The Potowmack Company was organized in 1785 and by 1795 a series of canals had bypassed Little Falls; this was replaced by the Chesapeake and Ohio Canal in 1828 (Lee 2004). The Little River road was completed in 1806, which connected Alexandria with Aldie, and connected the farms in Fairfax to the major markets to the east (Netherton et al. 1978: 146). The Falls Bridge Turnpike Company operated the Georgetown Pike (Georgetown-Leesburg Turnpike) as a toll road beginning in 1820 (Cooke 1977; Netherton et al. 1978:178-179). A bridge was constructed over Little Falls in 1797 (Cheek et al. 1983). By 1839 the county was furnished with several major roads (Burr 1839), and by 1861 the small communities of Langley and Swinks Mill had come into existence (Anonymous 1861).

Antebellum Period (1830–1860)

The county's population increased during this time with an influx of new arrivals attracted by the region's economic success and by cheap land (Catlin 1988:66; Netherton et al. 1978:258-262). Many of these new arrivals were from the north, and a number of newer small communities developed during this time,

particularly around crossroads. The old plantation system began to decline, as soils were depleted by tobacco production and estates were divided; by 1860 the slave population was nearly half what it was in 1830 (Netherton et al. 1978:263). During this time the economy was driven largely by the production of small farms, and the trend of out-migration was reversed in the decade before the Civil War.

In addition to the emerging network of roads that traversed the county, the Orange and Alexandria railroad line was completed in 1851 between Alexandria and the area south of Fairfax Court House (Wilkinson 1969:48) and was soon linked to the Manassas Gap Railroad (Harrison 1987:585).

Civil War (1860–1865)

The election of Republican candidate Abraham Lincoln in 1860 triggered the secession of South Carolina and the beginning of the Civil War in 1861. Virginia voted for secession on May 23, 1861 after Lincoln called for troops to suppress the rebellion. Fairfax County furnished companies to several Confederate Army regiments, including the Virginia 17th, also known as the Fairfax Rifles (Glasgow 1989).

Although no major battles were fought in Fairfax County (the largest was an engagement at Ox Hill, or Chantilly in September 1862 (Netherton et al. 1978), the county was traversed by both armies a number of times, especially via the Georgetown, the Little River, and Columbia turnpikes, and several skirmishes occurred. The Union army established Fort Marcy in 1861 on the Virginia side of Lower Falls, which was part of a chain of small forts erected south of the river to defend the capital (Hansen 1973). The eastern part of the county was occupied by large encampments of Federal troops shortly after the beginning of the war; Confederate camps were established soon after at Alexandria, Fairfax Courthouse, and Mason's Hill; and Fairfax Court House was occupied by troops from both sides at different times during the war. This occupation by the competing armies greatly diminished the productivity of the region and devastated the local economy.

Reconstruction and Growth (1865–1914)

Recovery from the war began with the revival of agriculture which was followed by industrial development and population growth. African-American farmers were able to establish their own churches and communities during this time (Michaud and Furgerson 2003:3-7). By 1900, the agricultural and industrial economy had been restored (Netherton et al. 1978). More farms were in existence, although these were mainly smaller operations, and were much more diversified (Hickin 1992; Trieschmann 2004:36). Dairy products, poultry, eggs, honey, vegetables and orchard products contributed to the income of local farms.

During the early 1900s, Fairfax County promoted itself as a suburban haven for the ever-growing D.C. population, and the regional infrastructure was adapted to facilitate commuters, including construction of electric trolley lines (Bryant and Sperling 2007, 21, 24; Smith and Causey 2005:23).

World War I to the New Dominion (1917–1945)

Fairfax County remained predominately rural in the first quarter of the 20th century but became increasingly urbanized with the expansion of Washington and McClean. McLean developed around a trolley stop established in 1902 (Curran 1976:41; Herrick 2016). The county's population doubled between 1940 and 1950 (Smith and Causey 2005:24), but the county retained much of its rural nature until the opening of the Capital Beltway in 1964 (Sweig 1995:7). Fairfax County during this time continued as a major agricultural producer, especially in dairy production (Cooke et al. 2001:17). Across the Potomac, similar changes in transportation and the economy began to transform Bethesda into a major satellite of Washington, D.C. (Walston 2010).

New Dominion (1945–Present)

In the 1940s, the U.S. Government bought eight contiguous parcels that totaled some 582 acres, which was purchased for use by the Public Roads Administration, Central Intelligence Agency, and the George Washington Memorial Parkway (Mackintosh 1996). Conceived in the late 19th century as a tribute to George Washington as well as the conservation of the natural environment and the preservation of cultural sites, impetus for Parkway construction developed out of the increasing suburbanization of the area and the need for an additional river crossing in the late 1920s (Mackintosh 1996). Authorized by the Capper-Cramton Act of 1930, construction of the Mount Vernon Memorial Highway (the southern section of the Parkway) was completed in 1932, extending from Arlington Memorial Bridge to the Gateway to Mount Vernon. The northern section of the Parkway extends from Arlington Memorial Bridge to the Capital Beltway/I-495 and includes the MDOT SHA MLS project area. Construction on this section began in the 1940s but the Virginia side was not completed until 1962 due to numerous issues with funding and land acquisition; the Maryland portion (renamed the Clara Barton Parkway) was completed in 1970. The engineering plan included a number of features designed to preserve the natural and historical landscape such as narrow lanes, gently winding roads, grassy medians, and low stone guide walls (Krakow 1995). The Parkway was designated an All-American Road in the National Scenic Byways Program in 2005. The southern section of the Parkway, also known as the Mount Vernon Memorial Highway, was listed in the NRHP in 1981, and the northern section was listed in the NRHP in 1995 as part of a multiple property nomination for the Parkways of the National Capital Region. At present the George Washington Memorial Parkway managed by the National Park Service comprises over 7,000 acres and extends 38.3 miles along the Potomac (Krakow 1995).

Unimproved roads were identified within the survey area cutting across site 44FX0389 and extending up to site 44FX0373. Aerial photographs suggest that these road cuts may relate to a planned mid-20th century housing development that may have been curtailed or delayed by construction of the Capital Beltway and the GWMP. Aerial photographs (https://www.historicaerials.com/viewer) dated 1949 pre-date both highways and show a sparse forest cover over the entire survey area, with possible exposures of underlying soils or bedrock. (The 1949 aerials were likely flown in winter, as 1938 and 1951 aerial coverage for Montgomery County, Maryland shows a dense forest cover over the project area, with no evidence that the area had been recently logged.) By 1957, several unimproved roads situated both to the east and west of the future alignment of the Capital Beltway appear on aerials, all terminating in cul-de-sacs. Two of the roads west of the beltway later became present Rivercrest Drive and Green Oaks Drive. Aerials dated 1962 show these roadways still in place after construction of both the Capital Beltway and the GWMP, but those dating from 1963, 1964, and 1970 show no additional improvements along the roads. By 1979, a series of domestic dwellings had been constructed along present Rivercrest Drive and Green Oaks Drive west of the Beltway and outside the boundary of the GWMP.

It appears that these unimproved roadways within the GWMP were cleared and graded sometime between 1951 and 1957. The road cuts are about 25 feet wide. Given their contemporary construction time and similar design (terminating in cul-de-sacs), all seem to have been constructed for a planned housing development. Construction of the Beltway and the Parkway appear to have put an end to this development within the boundary of the GWMP, but dwellings were eventually constructed west of the Beltway.

Logging may also have impacted the terrain. The Cultural Landscapes Inventory for Memorial Avenue notes that “during the eighteenth and nineteenth centuries, as land was cleared upstream [of Arlington National Cemetery] by farming and logging, great quantities of soil washed off the deforested land” (NPS 2004). The county’s population increased exponentially from the 1960s to the 21st century (Smith and Causey 2005), accompanied by industrial and commercial development (Trieschmann 2004:51). The community of Tysons (Tysons Corner), which originated as a small crossroads community of Peach Grove in the 1850s, rapidly transformed into a local urban and economic center (Kelly 2014). Today Fairfax

County is a densely populated suburb of Washington, D.C., linked to the rest of the urbanized metropolitan area surrounding the United States capital.

PREVIOUS ARCHAEOLOGICAL RESEARCH IN THE PROJECT AREA

At least three previous cultural resource studies have been conducted within the GWMP near and within the project area; none of these investigations were comprehensive surveys or evaluation-level excavations. In 1980, Fairfax County archaeologist Michael Johnson recorded at least 30 sites near or within the present project area, including five (44FX0373, 44FX0374, 44FX0379, 44FX0381, and 44FX0389) of those investigated during this project (Johnson 1981). Most of the sites consisted of low-density prehistoric scatters on upland landforms, but other sites included a rockshelter (44FX0227), a high-density site located on a terrace (44FX0193), and one site on the [redacted] (44FX0382) [redacted]. Johnson's survey mainly consisted of surface inspection supplemented with strategically placed shovel tests, but also included excavation of a few test pits and an examination of local collections. Johnson recorded some information on site forms filed with the VDHR, but did not produce a report for this study, although a great deal of the information is incorporated into Louis Berger's multi-year GWMP study report (Raszick and Bedell 2018).

James Madison University Archeological Research Center (JMUARC) conducted a Phase I survey for planned improvements to I-495 in 1986, although that study was focused along the [redacted] side of the interstate [redacted] of the MDOT SHA MLS project area (Rickard 1986)

Gray & Pape, Inc. conducted a Phase I survey in 1999 for planned improvements to I-495 (Barber et al. 2001). Portions of the MDOT SHA MLS project area [redacted] are within the APE for that project, but only very limited archaeological studies were conducted in this area as part of that study. Most of the shovel tests excavated [redacted] of the Parkway and [redacted] of I-495 revealed extensively disturbed landforms, but some undisturbed areas were identified, and two flakes were found and designated Isolated Find 1 in an area that may fall within the newly expanded boundary of site 44FX0389.

In 2005, EAC conducted a survey for a proposed extension of the Mount Vernon Trail through the GWMP (Dongarra et al. 2006). The proposed trail corridor in Section 1 and the western portion of Section 2 of that study runs through the MDOT SHA MLS project area. During that study, 40 of the 332 STPs excavated in those two sections produced a total of 150 lithic artifacts, consisting primarily of nondiagnostic quartz debitage with some quartzite, rhyolite, and chert artifacts also recovered (Dongarra et al. 2006:52, 56). STPs excavated along a single, linear transect resulted in the identification of one new archaeological site (44FX3160). That project also recovered one quartz flake associated with site 44FX0379; 17 nondiagnostic pieces of debitage associated with site 44FX0377; 48 pieces of nondiagnostic debitage associated with site 44FX0326; and one quartz flake attributed to site 44FX0322 (Dongarra et al. 2006:54, 58). STPs within the mapped areas of the two other MDOT SHA MLS project sites (44FX0381 and 44FX0389) did not recover any artifacts.

Finally, a limited study included three sites (44FX0373, 44FX0374, 44FX0381) that were revisited during this project (Raszick and Bedell 2018). The results of the earlier work at these sites is included under the discussion of each site.

Previously Recorded Archaeological Sites in the Project Area

Previous archaeological investigations conducted in this area have recorded a relatively high density of prehistoric sites, and there are 45 recorded archaeological sites within a half mile of the MDOT SHA project area (Table 3.1). Although different researchers have made various NRHP eligibility recommendations, the

DHR considers all of them to be unevaluated. Most of these sites are relatively low-density distributions of lithic reduction material, primarily quartz, most did not produce temporally diagnostic artifacts (or those artifacts were not formally classified by the researcher), and most are situated on upland, somewhat deflated landforms similar to those encountered within the MDOT SHA project area, with cultural deposits typically found at relatively shallow depths (<1 ft below surface). One exception is site 44FX0193, located [redacted] of the project area and recorded as the "Dead Run Site," which has been visited by archaeologists a number of times. The site is partially destroyed by the surrounding residential development and a portion of the lithic material collected when the site was initially identified was later reclassified as noncultural, but the site produced temporally diagnostic artifacts associated with Late Archaic through Late Woodland components as well as a high density of lithic debitage and some fire cracked rocks (Raszick and Bedell 2018). The setting of this site, [redacted] is very different than settings characterizing the MDOT SHA project sites, however. Limited data is available regarding site 44FX0310, but according to the site form, this location encompasses outcrops of high-quality soapstone (Johnson 1981). Several sites contain quartz outcrops and were recorded as quarries when initially identified, although at least one of these was reclassified as a campsite after a more recent investigation (44FX0326) (Raszick and Bedell 2018). One site contained a conical shaped earthen mound with granite boulders (44FX0327), and although this site produced lithic debitage, the "mound" was thought to be a natural or possibly historic period construct (Johnson 1981). Site 44FX0382 is located on a [redacted] of the MDOT SHA project area and contains the remnants of a 19th century mill in addition to lithic debris.

Sites partially within or investigated by this project include 44FX0322, 44FX0326, 44FX0373, 44FX0374, 44FX0377, 44FX0379, 44FX0381, 44FX0389, and 44FX3160.

Site 44FX0322 was initially documented by a survey conducted in 1980 and was revisited in 2005, 2006, and 2016 (Dongarra and Harris 2005; Dongarra et al. 2006; Johnson 1981; Raszick and Bedell 2018). It is characterized by a low-density scatter of nondiagnostic lithic artifacts (flakes and cores) across a ridge top and ridge nose located [redacted] portion of the Survey Area.

Site 44FX0326 was initially documented by a survey conducted in 1980 and was revisited in 2005, 2006, and 2016 (Dongarra and Harris 2005; Dongarra et al. 2006; Johnson 1981; Raszick and Bedell 2018). It is characterized by a moderate-density distribution of nondiagnostic lithic artifacts (flakes, cores, and a hammerstone) along a narrow ridge nose and the ridge slope located [redacted]

Site 44FX0377 is a large site that was initially documented by a survey conducted in 1980 and was revisited in 2006 (Dongarra and Harris 2005; Johnson 1981). It is characterized by moderate-density deposits of nondiagnostic lithic artifacts (flakes, cores, bifaces, fire cracked rock, and hammerstones) across a series of ridge tops and ridge noses located [redacted]. An outcrop of quartz is also located on this site, and the site is considered to be a quarry and lithic workshop area.

Site 44FX0379 is a large site that was initially documented by a survey conducted in 1980 and was revisited in 2005 (Dongarra et al. 2006; Johnson 1981). It is characterized by moderate-density deposits of nondiagnostic lithic artifacts (flakes, cores, and bifaces) across a series of ridge tops and ridge noses [redacted]. When it was recorded in 1981 it was considered to be partially destroyed by construction of the Parkway. The [redacted] portion of the Survey Area crosses through the [redacted] portions of the site and Phase II investigations were conducted as part of this project.

Table 3.1. Recorded Archaeological Sites within One Half Mile of the MDOT SHA Project Area.

Site	Component(s)/Site Type	NRHP Status
44FX0193	Late Archaic–Late Woodland/Campsite	Not Evaluated
44FX0214	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0227	Unidentified Prehistoric/Rockshelter	Not Evaluated
44FX0308	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0309	Unidentified Prehistoric/Lithic Quarry	Not Evaluated
44FX0310	Unidentified Prehistoric/Lithic Quarry?	Not Evaluated
44FX0311	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0312	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0319	Unidentified Prehistoric/Lithic Quarry	Not Evaluated
44FX0322	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0323	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0324	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0325	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0326	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0327	Unidentified Prehistoric & Historic/Mound?	Not Evaluated
44FX0328	Unidentified Prehistoric/Lithic Quarry	Not Evaluated
44FX0329	Unidentified Prehistoric/Lithic Quarry	Not Evaluated
44FX0343	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0344	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0345	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0346	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0347	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0348	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0349	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0373	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0374	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0375	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0377	Unidentified Prehistoric/Lithic Quarry	Not Evaluated
44FX0378	Early Woodland/Campsite	Not Evaluated
44FX0379	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0381	Unidentified Prehistoric/Campsite	Not Evaluated
44FX0382	Unidentified Prehistoric/Campsite; 19th Century/Mill	Not Evaluated
44FX0389	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0380	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX0390	Unidentified Prehistoric/Campsite	Not Evaluated
44FX3160	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX3389	Early through Late Woodland/Campsite	Not Evaluated
44FX3793	Unidentified Prehistoric/Campsite; Historic/Artifact Scatter	Not Evaluated
44FX3794	Unidentified Prehistoric/Campsite; Historic/Artifact Scatter	Not Evaluated
44FX3795	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX3796	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX3797	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX3816	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX3817	Unidentified Prehistoric/Lithic Scatter	Not Evaluated
44FX3892	Unidentified Prehistoric/Lithic Scatter	Not Evaluated

Site 44FX0381 was initially documented by a survey conducted in 1980 and was revisited in 2006 and 2017 (Dongarra and Harris 2005; Johnson 1981; Raszick and Bedell 2018). It is characterized by a low-density distribution of quartz and quartzite debitage as well as one quartz side notched projectile point found on a ridge top [redacted] of site 44FX0379. The [redacted] portion of the Survey Area runs through the [redacted] portion of this site and Phase II investigations were conducted as part of this project.

Site 44FX0389 was initially documented by a survey conducted in 1980 and was revisited in 2005 (Dongarra et al. 2006; Johnson 1981). It is characterized by moderate-density deposits of quartz and quartzite debitage and a nondiagnostic biface found on a ridge nose [redacted] of I-495. The [redacted] portion of the Survey Area encompasses the [redacted] portion of this site and Phase II investigations were conducted as part of this project.

Site 44FX3160 is a small site recorded in 2005 that is characterized by a moderate-density distribution of quartz and quartzite debitage found on a ridge top [redacted] of site 44FX0381 (Dongarra et al. 2006). The [redacted] portion of the Survey Area encompasses a majority of this site and Phase II investigations were conducted as part of this project.

4. RESEARCH GOALS AND METHODS

RESEARCH GOALS

The goals of the Phase I survey were to identify and characterize any archaeological resources present in the Survey Area and at site 44FX0373 and evaluate the NRHP eligibility of identified archaeological resources as far as possible within Phase I or intensive Phase I field methods. The goal of the Phase II investigations was to evaluate the NRHP and VLR eligibility of archaeological resources at six sites (44X0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, and 44FX3900).

RESEARCH METHODS

The investigation complied and was consistent with all pertinent federal and state regulations, including, but not limited to, the 1986 Specifications for Consulting Engineers Services Manual, Section IV; Section 106 of the *National Historic Preservation Act* and its implementing regulations (36CFR 800*, Protection of Historic Properties*), as amended; the *National Environmental Policy Act* of 1969; the Advisory Council on Historic Preservation's *Treatment of Archaeological Properties*; the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation* (1983); the MDOT SHA's 2017 *Archaeology Guidelines for Consultants*; 36 CFR Part 79, *Curation of Federally-Owned and Administered Archeological Collections*; the revised National Park Service's *Museum Handbook on Accessioning and Cataloging Museum Objects*; the Virginia Department of Historic Resources (DHR) *Guidelines for Conducting Historic Resources Survey in Virginia* (revised September 2017); and ARPA permit 19-GWMP-5.

Background Research

Background research was conducted in order to gather information regarding previously recorded cultural resources in the vicinity of the project area. This research included examination of archaeological site files in the DHR's online Virginia Cultural Resource Information System (V-CRIS), as well as cultural resource reports, local and regional histories, historic maps, and environmental data available online and at the DHR's reference library in Richmond, Virginia. The background research focused on gathering information concerning the known archaeological sites in the project area and previously conducted cultural resources studies in the area. These data provided the contexts necessary for completing the background sections of the report, as well as provided a basis for predicting, interpreting, and evaluating the resources documented during the survey and NRHP evaluations.

Archaeological Fieldwork

Shovel Test Excavation. Phase I survey shovel test pits (STPs) were excavated at 50-ft intervals. STPs were placed along one to two transects depending on the width of the survey area within all areas that were not clearly severely disturbed, with a concerted effort made to place transects within undisturbed portions of the linear survey areas in the vicinity of the recorded sites. Any area where shovel testing was not considered warranted, such as areas of extensive disturbance or on steep slope, was documented in field notes and photographs.

Generally, no Phase I level shovel testing was conducted within known site boundaries for which Phase II investigations were scoped, as close interval shovel testing was subsequently completed within those areas. Phase I intensive survey (of a portion of site 44FX0373) and Phase II STPs were excavated at 25-ft intervals on a grid established at each site in order to re-define site boundaries, delineate intra-site activity areas, further refine understanding of the stratigraphy, and determine locations for test unit placement. Shovel

testing continued until each positive STP was bounded by two consecutive negative STPs or substantial slope and/or disturbance were encountered (e.g., several unimproved roads that have been cut below grade were present in the survey area; it was later determined that these unimproved roads had been constructed for a planned housing development, portions of which were later constructed west of the GWMP boundary). During the intensive Phase I and Phase II work, shovel testing was extended to encompass all of the previously defined site boundaries regardless of whether artifacts were present or absent in consecutive STPs until the level portion of the landform (or landforms, as at site 44FX0389) was covered. Radial STPs were excavated around artifact-generating STPs at 15-ft intervals.

Each STP was at least 1.5 ft in diameter and was a straight-sided cylinder, excavated by strata, and recorded in tenths of feet. These were excavated to pre-Pleistocene soils or metamorphosed rock (all soils encountered were formed in residuum and were non-accretional, except for a few instances of historic colluvial deposition). All soils were screened through a ¼ inch mesh screen positioned over a tarp. Each STP was assigned an individual designation based on the grid established for the site/Survey Area, and its location was plotted on a site/project map and recorded with a handheld GPS unit with submeter accuracy. Detailed notes regarding soil texture in USDA NRCS terminology, Munsell (2009) color, artifact recovery, and disturbances were recorded for each stratum of each STP. All artifacts were placed in bags labeled with the project name, site number, provenience, date, initials of collector, and bag inventory number. All bags were numbered sequentially and recorded on field inventories that were checked at the end of each field day. After excavation and documentation were completed, each STP was backfilled, and the area was returned to the pre-excavation condition as far as possible.

Test Unit Excavation. Test units (TUs) were placed in areas where STPs produced artifacts in relatively higher concentrations and/or generated diagnostic or potentially diagnostic artifacts. The TUs were sequentially numbered (e.g., TUs 1–23) regardless of placement on individual sites. Each TU was assigned an individual designation based on the grid established for each site, and its location was plotted on the project map and recorded with a GPS unit with submeter accuracy. Test units measured 3 × 3 ft and were excavated by 0.25-ft levels (and in one instance, at site 44FX3160, 0.5-ft levels) within natural strata. All soils were screened through ¼ inch mesh positioned over a tarp. A unit level form was completed after each excavated level, which includes explanations of any changes in the basic excavation strategy, soil descriptions (including Munsell color identifications and USDA NRCS soil texture descriptions), a list of photographs taken, and notes regarding any disturbances observed or features encountered. At the conclusion of the excavation, profiles of at least two TU walls were drawn and photographed. After excavation and documentation were completed, each TU was backfilled, and the area was returned to the pre-excavation condition as far as possible.

Surface Collection. No systematic surface survey was performed, but limited surface collection was conducted at some of the sites where visibility was conducive; surface finds were generally referenced to coordinates on the site grid. The collection effort was not total and was selective in nature, with a focus on obtaining temporally diagnostic artifacts or other potential lithic tools.

Feature Excavation. No cultural features or potential cultural features were encountered in any of the excavations.

Site Mapping and Recording. After an archaeological site was identified, a site grid was established, and all delineation STPs were assigned grid coordinates (North and East) based on the location of their southwest corner. STPs, site components, and the boundary of each site were recorded using a Trimble GeoExplorer 7X receiver. All GPS positions were recorded in UTM coordinates using the North American Datum (NAD83). The GPS feature data were post-processed for differential correction utilizing the Goddard Space Center (GODE), Maryland CORS base station (ITRF00 1997) derived from IGS08 (New) with Pathfinder Office v.5.85, and the features were exported into ArcGIS 10.7 as shapefiles. Throughout

the course of the fieldwork, project maps were maintained to track the location of all STPs, disturbance, cultural features (roads, retaining walls), and project progress. The Field Director maintained detailed notes on the field methods and progress, evidence of disturbance, and relevant environmental factors, such as characteristics of the nearest water sources, vegetation, soil types, and general project information, as the investigations progressed. Photographs of the project area, site views, STP and TU profiles, and disturbance were taken in digital format.

Laboratory Processing and Analysis

All artifacts collected during the field investigation were washed, analyzed, and prepared for curation following current NPS standards and guidelines. The laboratory processing included the preparation of a detailed inventory of all recovered data to ensure that all of the materials were present and organized and to facilitate subsequent analyses. All artifacts were cleaned using techniques appropriate to the nature and condition of the materials.

Following this, all artifacts were catalogued using the National Park Service's Interior Collection Management System (ICMS). The laboratory analyses involved a description of the overall artifact assemblages, with the artifact catalogs organized so that the databases can be manipulated by future researchers. The goal of the analyses was not only to provide the necessary data to evaluate each site, but also to provide an archeological archive useful to future researchers.

Prehistoric Lithic Analysis. Lithic artifacts were classified according to accepted regional practices. The primary division of all prehistoric lithic artifacts is into cores and/or tools that generally exhibit primarily negative flake scars and lithic debitage that generally exhibit positive bulbs of percussion. The debitage categories used are based primarily on those outlined by Sullivan and Rozen (1985) and include complete flakes, broken flakes, and shatter. Complete flakes exhibit a positive bulb of percussion on the ventral surface and are intact; broken flakes also exhibit a positive bulb of percussion on the ventral flake surface but have a snapped distal end; and shatter is angular flaking debris lacking a single interior (ventral) surface. A number of other attributes were recorded for each piece of debitage, including raw material, size, and reduction stage based on the presence of cortex (primary, secondary, tertiary). Lithic tools were categorized based on evidence of morphology, function, macroscopically detectable retouch and use-wear, and fracture attributes. Projectile points are generally temporally diagnostic, and an attempt was made to classify these specimens according to regional and local types (cf. Coe 1964; Dent 1995; Justice 1987). The following attributes were recorded for each: base shape, blade shape, presence of basal grinding, presence of cortex, thermal alteration, and evidence of resharpening or reworking. Metric attributes were also recorded to the nearest 0.1 mm for length, medial width, basal width, and thickness, and weight was measured to the nearest 0.1 gram. Length and width measurements were taken at medial points on the existing artifact, whether the specimen is broken or not.

Raw Material Identification. Raw materials for prehistoric stone artifacts were identified based on macroscopic characteristics.

Prehistoric Ceramic Artifact Analysis. Prehistoric ceramic artifacts were analyzed by attributes such as temper type and size, sherd size, interior and exterior surface treatments, and adjunct decoration. Particle size categories consist of fine (⅛–¼ mm), medium (¼–½ mm), and coarse (½–1 mm). Exterior and interior surface treatment, such as cordmarked, fabric impressed, incised, or smoothed, were recorded where visible (not eroded). Ceramics were then assigned to regionally recognized types (e.g., Marcey Creek, Accokeek, Potomac Creek, Rappahannock) where possible; in other cases (primarily where surface treatment is not identifiable), sherds were assigned to more descriptive categories (e.g., unclassified sand tempered cordmarked).

Historic Artifact Analysis. All historic artifacts were described and classified according to material type and function, using standardized and well-defined sorting criteria found in such sources as Noël Hume (1991). When possible, historic artifacts also were analyzed to determine their manufacturing date range and location of manufacture.

Curation. All artifacts, written records, photographs, and other project materials were prepared according to NPS standards contained in 36 CFR Part 79, *Curation of Federally-Owned and Administered Archeological Collections*, and the revised NPS *Museum Handbook on Accessioning and Cataloging Museum Objects* and stored at TRC's Chapel Hill office during the project review period. Project records and artifacts will be transferred to the NPS Museum Resource Center in Landover for permanent curation following acceptance of the final report.

NATIONAL REGISTER ELIGIBILITY ASSESSMENT

The significance of each archaeological resource is evaluated according to the National Register *Eligibility Criteria*, as outlined in 36 CFR 60.4 (USDOI 1991). The *Eligibility Criteria* state:

> The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:
>
> A. That are associated with events that have made a significant contribution to the broad pattern of our history; or
>
> B. That are associated with the lives of persons significant in our past; or
>
> C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic value, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
>
> D. That have yielded, or may be likely to yield information important to history or prehistory.

The regulations also include several criteria considerations (USDOI 1991), but those are generally not relevant to archaeological sites. The potential eligibility of each tested site was evaluated in light of all four eligibility criteria. Most archaeological sites that are deemed eligible for the National Register are recommended due to their research potential, under Criterion D. In order to assess a site's eligibility under this criterion, researchers must consider how each site could provide data relevant to pertinent regional research questions. Several factors are considered in assessing site significance and research potential; as enumerated by Glassow (1977); these include

- the variety of remains, or clusters of remains, encountered in a specific resource;
- the quantity of remains;
- the clarity of archaeological deposits;
- the "integrity" (state of preservation or completeness of an assemblage) of archaeological deposits; and
- the environmental context of a particular locale.

Artifact variety is a quantification of the number of different artifact categories represented on a site. Artifact variety and quantity are related to a number of factors of site occupation, including site function, occupation duration, number of components, and group size, but also relate to the potential to draw meaningful data from an assemblage. There is not a direct relationship between artifact quantity and data potential, however, especially in cases where the artifacts derive from a restricted number of artifact classes and cannot be associated with specific occupational components.

The integrity of an archaeological site is determined by the degree to which the stratigraphy appears to be intact and whether or not a site contains intact cultural features, while site clarity relates to the ability with which artifacts and data from specific components can be isolated and analyzed. Although the concepts are related, the two are not always linked. It is possible for a site with good integrity to lack clarity, in that the discrete cultural features are lacking, and the degree of component overlap makes it impossible to sort out materials from individual deposits. Conversely, a small single component site could potentially have excellent clarity, while lacking features or stratigraphic integrity. The nature of deposits (intact, partially disturbed, obliterated, etc.) has direct bearing on the potential to view a site within the context of its past, and on the degree to which it can provide data based on the material record. In short, the integrity of a site (and thereby its potential NRHP eligibility) is directly tied to its capacity to address research questions.

The environmental context of a site involves the surrounding natural factors that affect post depositional changes to the archaeological remains. For example, sites can be buried intact by eolian and flood deposits or scoured by flood waters and erosion.

All of these factors must be considered when evaluating the research potential of an archaeological site—that is, its ability to provide "information important to history or prehistory." Further consideration should also be given to whether a site will not only provide redundant information, but potentially contains new or additional supportive data useful for addressing current regional research questions.

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5. RESULTS OF PHASE I SURVEY

Phase I archaeological survey was conducted in three areas—Area 1 is [redacted] of the Parkway [redacted]; Area 2 is [redacted] of the Parkway [redacted] boundary of site 44FX0379; and Area 3 is [redacted] of the Parkway [redacted]. The Phase I LOD in each of these areas varies in size and shape (see Figures 1.2 and 1.3). The Phase I LOD cuts across four previously recorded sites (44FX0379, 44FX0381, 44FX0389, and 44FX3160) and follows the [redacted] boundary of three other previously recorded sites (44FX0322, 44FX0326, and 44FX0377). Phase II work was conducted on the first four sites (and ultimately, 44FX0374 and 44FX3900 as well) as part of this project, and the results of those investigations are documented in the following chapters. A concerted effort was made to examine the portions of the Phase I LOD in proximity to the final three sites and those results are presented in this chapter. In general, the Phase I survey involved shovel testing at 50-ft intervals along parallel transects (where necessary) within the LOD, as well as visual inspection and walkover of the entire LOD. Portions of the LOD were not suitable for shovel testing due to steep slopes, and although no STPs were excavated on the steeply sloped portions of the Parkway road cut, STPs were excavated on more level portions, even those adjacent to the road, to confirm the extent of the disturbance.

SURVEY AREA 1

The LOD in this area is situated along the [redacted] side of the Parkway and [redacted] (see Figures 1.2 and 1.3). It varies from about 50 to 340 ft in width. Its spatial irregularity is partly due to the presence of four previously identified sites that were evaluated as part of this investigation (44FX0379, 44FX0381, 44FX0389, and 44FX3160) so were not included within the Phase I Survey Area (however, Phase I survey did produce artifacts and those areas were subsequently included within the site boundaries, and the Phase II investigations, for those previously identified sites). Survey Area 1 includes portions of multiple upland ridge spurs, swales, and side slopes and is entirely wooded. Disturbances in this area are related to residential road construction, likely earlier logging, and subsequent erosion (Figures 5.1–5.2).

Phase I survey of Survey Area 1 involved the excavation of 166 STPs; no STPs were excavated in the area [redacted] I-495 as this area is characterized by steep road cuts with landforms that were created and/or extensively modified during construction of the interstate and the Parkway. A typical STP profile in this area involved a dark brown (10YR 3/3) silt loam A horizon (0–0.5 ftbs) over a reddish brown (5YR 5/4) or yellowish red (5YR 5/6) silty clay subsoil (0.5–2.4 ftbs). A second A horizon of brown (10YR 3/3) silty clay loam colluvium was observed below the first A horizon (0.5–1.3 ftbs) in STPs in some areas—on the slope [redacted] of site 44FX3160, on the slope [redacted] of site 44FX0381, and on the slope at the [redacted] portion of the survey area just [redacted] of I-495. Also, a strong brown (7.5YR 4/6) B horizon of silty clay loam was encountered below the A horizon (0.5–0.9 ftbs) in some STPs on the adjacent slopes.

An isolated Small Savannah River projectile point was found in an STP between sites 44FX0389 and 44FX3160 and was designated FS-3. Twenty-seven Phase I STPs located in proximity to the recorded boundary of site 44FX0389 produced approximately 82 lithic artifacts and one whiteware sherd and these were considered to be associated with that site as discussed in Chapter 10. In addition, two possible groundstone tools were collected from the surface near site 44FX0381 as discussed in Chapter 9.

Figure 5.1. View of Survey Area 1, facing east.

Figure 5.2. View of Survey Area 1, facing northwest.

Isolate FS-3

An isolated Late Archaic period Small Savannah River PPK was found in the A horizon (0–0.4 ftbs) of an STP (2-6) on a highly dissected ridge slope near the [redacted] edge of Survey Area 1, [redacted] (see Figures 1.2 and 1.3; Figure 5.3). STPs excavated in the areas between the PPK and the previously recorded sites did not produce any cultural material, and this find was designated FS-3. STPs were excavated 15 ft to the north, west, and east of this find, but no additional cultural material was found in this area; the area immediately to the south is in an eroded gully, and no STP was placed in that location (Figure 5.4). The PPK is quartzite and is missing the distal portion (Figure 5.5). The PPK is associated with overall Late Archaic activity in this area evidenced on nearby sites but does not represent a substantial archaeological resource in this location, and no further archaeological investigation of this isolated artifact is recommended for this project.

Figure 5.3. View of FS-3, facing west.

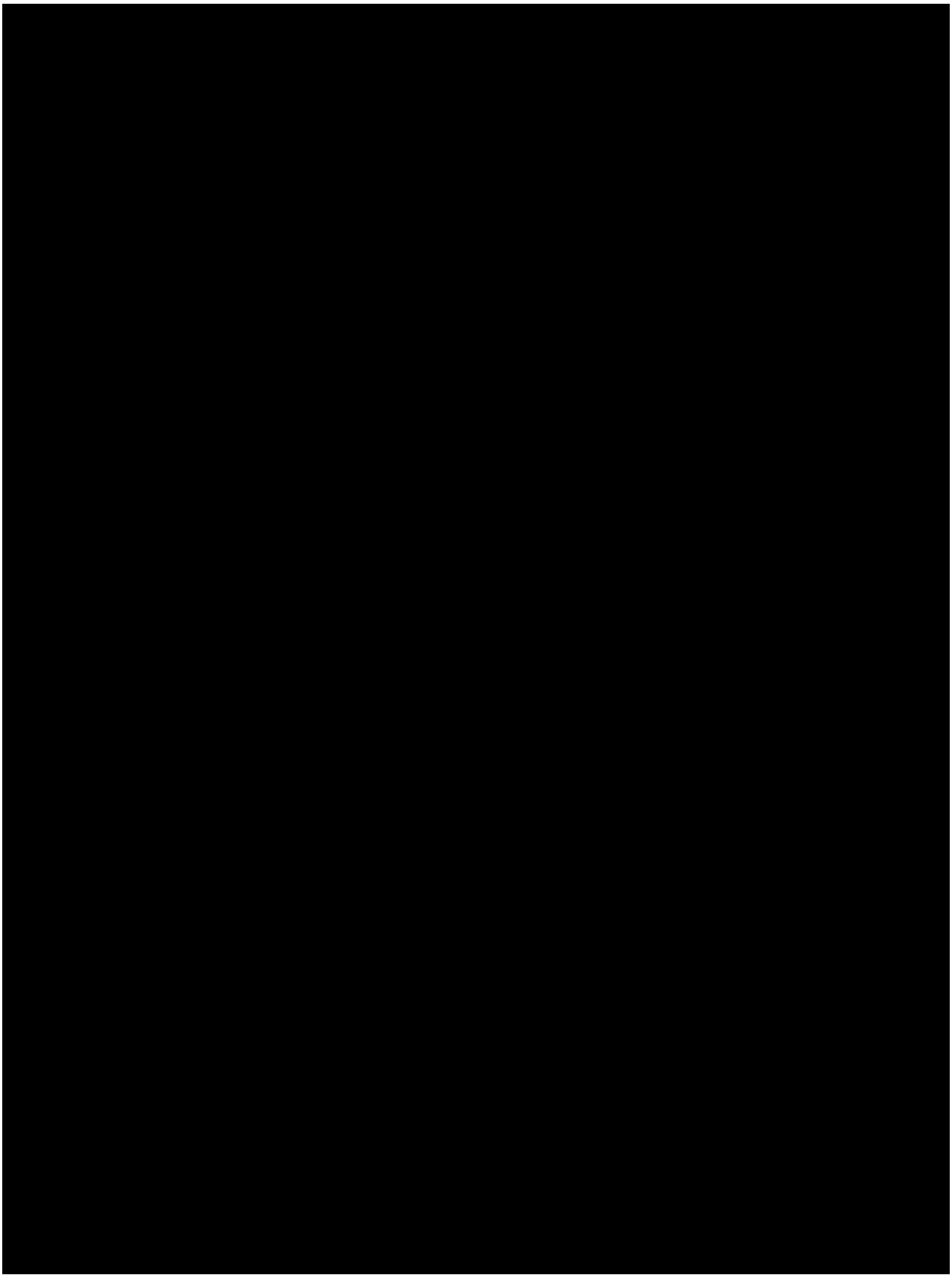

Figure 5.4. Plan map of FS-3.

Figure 5.5. Small Savannah River PPK from FS-3.

SURVEY AREA 2

The LOD in this area is situated along the [redacted] side of the Parkway and [redacted] (see Figures 1.2 and 1.3). This area varies from about 100 to 150 ft in width and is bounded by [redacted]. The area includes portions of multiple upland ridges, intervening swales, and side slopes, and is moderately to densely wooded (Figures 5.6–5.7). Most of the area is characterized by only moderately eroded soils, although some isolated surficial erosion was noted. Minor disturbance within the area is limited to a few log or brush piles, and modern refuse was frequently encountered.

Phase I survey of Area 2 involved the excavation of 159 STPs. A typical STP profile in this area involved a dark brown (10YR 3/3) silt loam A horizon (0–0.5 ftbs) over a second A horizon (0.5–1.5 ftbs) of brown (10YR 3/3) or strong brown (7.5YR 4/6) silty clay loam underlain by a reddish brown (5YR 5/4) or yellowish red (5YR 5/6) silty clay subsoil (1.5–2.5 ftbs). In place of the second A horizon, some STPs along the [redacted] boundary of this survey area [redacted] contained an E horizon of brownish yellow (10YR 6/6) silt loam over the subsoil.

One isolated chert flake was found near the [redacted] edge of this area (FS-2), and three STPs located [redacted] produced one unclassified biface fragment and 14 pieces of debitage (recorded as site 44FX3900). Artifacts were found in the A (*n*=4) and E (*n*=11) horizons. Given the moderate artifact density and the presence of cultural material in the E horizon, this site was thought to have the potential to provide substantive data relevant to regional research issues and was recommended for additional investigation to evaluate its eligibility for the NRHP. That work was conducted along with other project Phase II work and is documented in Chapter 12.

Figure 5.6. View of eastern portion of Survey Area 2, facing west.

Figure 5.7. View of western portion of Survey Area 2, facing west.

Isolate FS-2

One very small chert flake was found in the A horizon (0–0.6 ftbs) of an STP located near the [redacted] edge of Survey Area 2 and was designated FS-2 (Figures 5.8 and 5.9). STPs excavated on the surrounding grid, along with supplemental STPs excavated 15 feet to the west, north, south, and east did not contain any cultural material. The flake is associated with the prehistoric activity evidenced on nearby sites but does not represent a substantial archaeological resource in this location, and no further archaeological investigation of this isolated artifact is recommended for this project.

Figure 5.8. View of FS-2, facing east.

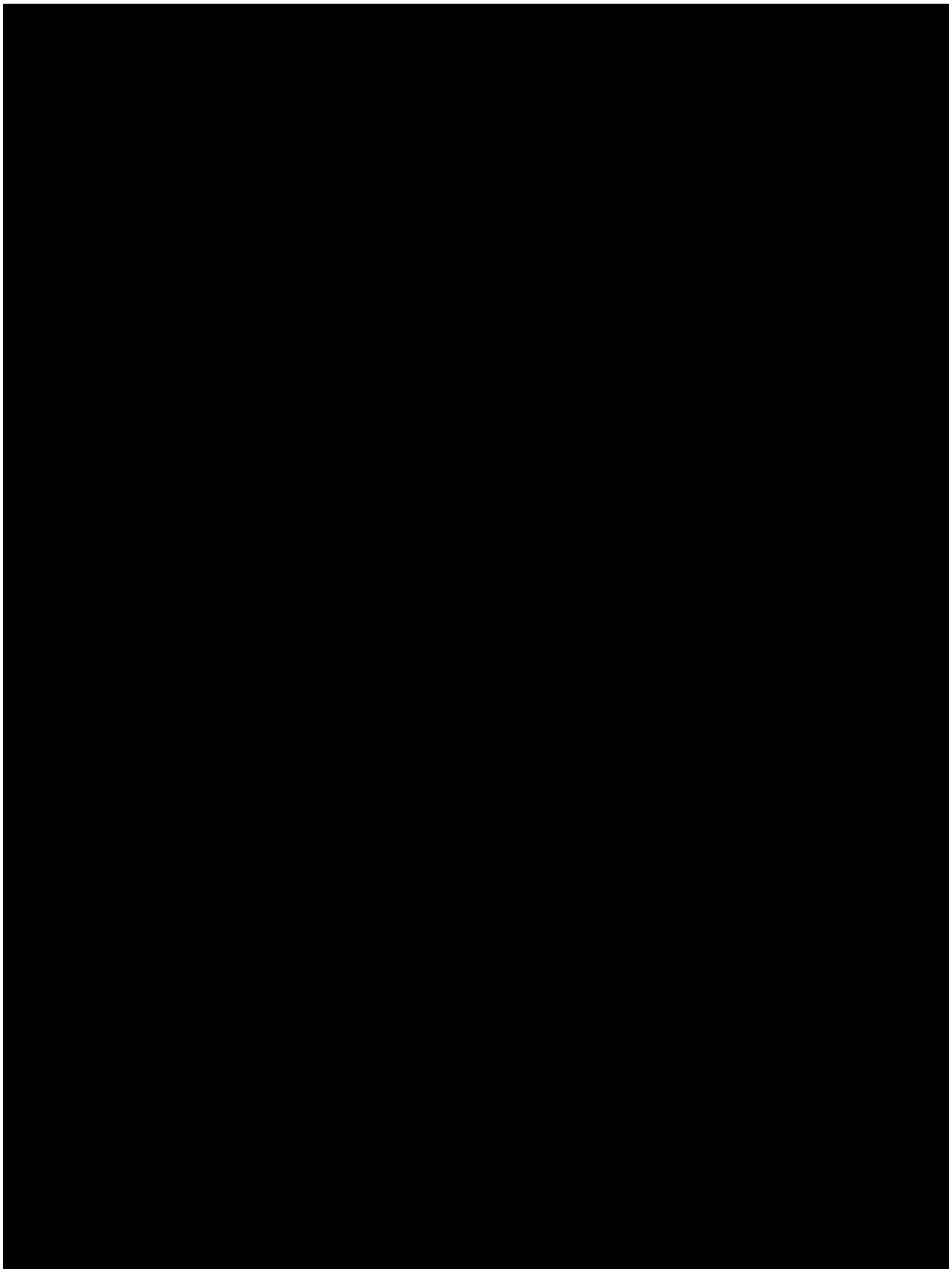

Figure 5.9. Plan map of FS-2.

SURVEY AREA 3

This area is situated along the [redacted] side of the Parkway [redacted] (see Figures 1.2 and 1.3). It ranges from about 35 to 75 ft in width. This area encompasses portions of several upland ridge spurs and associated side slopes, and except for maintained roadside clearings, is densely wooded (Figures 5.10–5.12). The survey area skirts the [redacted] of Survey Area 3.

Phase I survey of Survey Area 3 involved the excavation of 54 STPs. STPs within the narrowest portion of the LOD in the [redacted] section of Survey Area 3 were excavated along the [redacted] to try to identify any undisturbed terrain in areas where the adjacent terrain is on very steep slope with no potential to contain significant archaeological resources. All of these contained a disturbed profile showing fill to a depth of approximately 2.0 ftbs (consisting of a mix of sand and clay soils with gravel and some modern trash) over subsoil. This indicates that the terrain [redacted] is entirely disturbed by construction of the Parkway. STPs in the remainder of Survey Area 3 were excavated on relatively level landforms, typically along the [redacted] portion of the LOD. STPs in the [redacted] portion of this part of Survey Area 3 showed undisturbed soil profiles, containing an A horizon (0–0.5 ftbs) of dark brown (10YR 3/3) silt loam over a subsoil (0.5–2.0 ftbs) of red (2.5YR 5/6) clay loam. STPs in the [redacted] portion of Survey Area 3 [redacted] also displayed undisturbed profiles and contained an E horizon (0.5–1.2 ftbs) of yellowish brown (10YR 5/6) silt loam between the A horizon and the subsoil. No STPs were excavated in areas where no level ground exists within the survey area.

Figure 5.10. View of Survey Area 3 close to the GWMP Parkway, facing west.

Figure 5.11. View of Survey Area 3, facing northeast.

Figure 5.12. View of slope near [redacted] facing south.

A low field stone wall runs along the [redacted] side of the Parkway in several sections of this survey area (Figure 5.13). A few artifacts associated with previously recorded site 44FX0377 were found in this survey area, but the survey recorded no cultural material in the [redacted] where very steep slopes occur along the [redacted] to the Parkway.

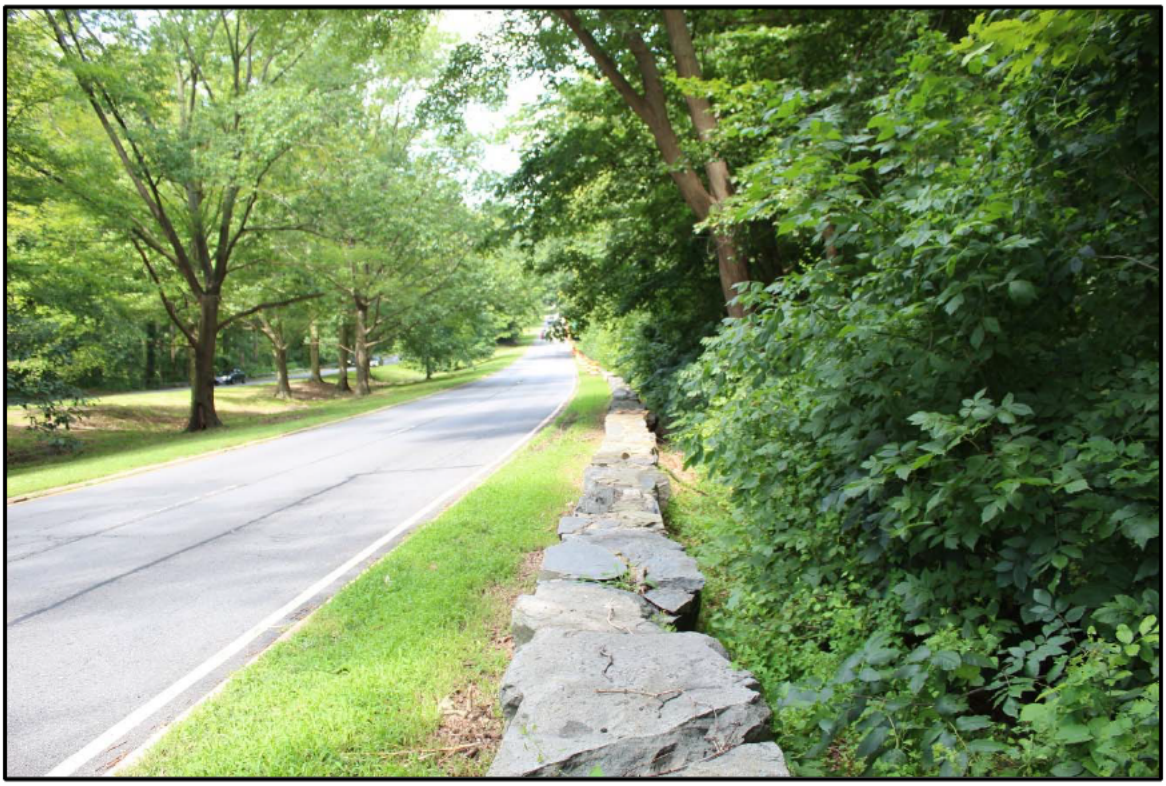

Figure 5.13. View of representative stone wall along GWMP Parkway, facing west.

Site 44FX0377

Four of seventeen STPs excavated adjacent to site 44FX0377 (including supplemental STPs) produced a total of 10 lithic flakes; five additional flakes were also collected from the surface in this area (see Figure 1.3; Figures 5.14 and 5.15). The 15 artifacts occurred along the [redacted] margin of the ridgetop, [redacted]. Artifacts were found in the A (*n*=6) and E (*n*=4) horizons and consist of one rhyolite, four quartzite, and 10 quartz flakes. No diagnostic artifacts were recovered, and the investigation identified no archaeological features. The area [redacted] of the STP transects is steep road cut. Given the low density of nondiagnostic material recovered by the testing along 44FX0377, the project would not affect significant archaeological resources at this location. No additional archaeological investigation of this site is recommended for the MDOT MLS Study.

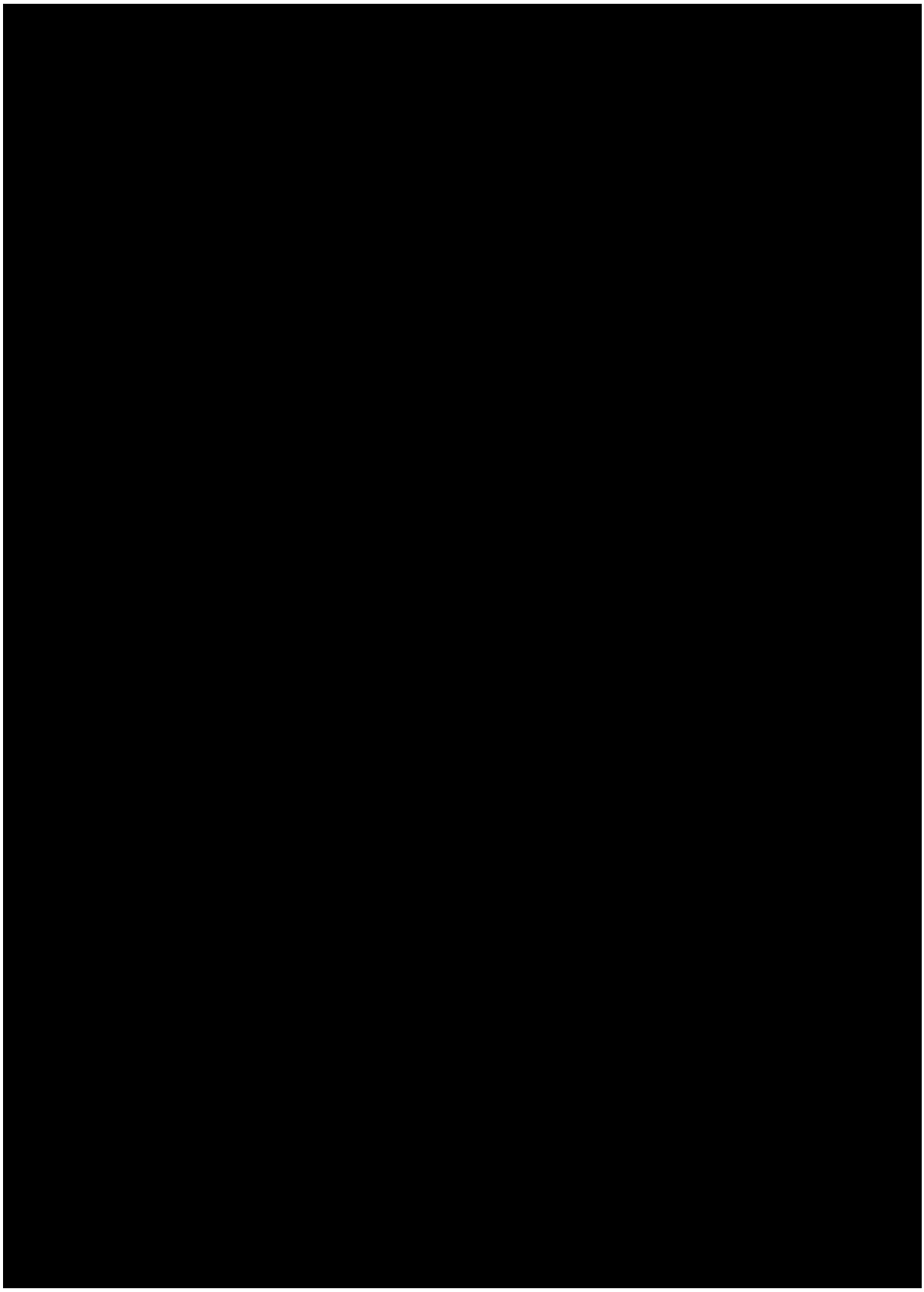

Figure 5.14. Plan map of site 44FX0377.

Figure 5.15. View of site 44FX0377, facing northeast.

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6. RESULTS OF INTENSIVE PHASE I SURVEY OF SITE 44FX0373

SUMMARY OF PREVIOUS PHASE I SURVEY

Site 44FX0373 was identified during a 1980 reconnaissance survey of the Fairfax County section of the Park (Johnson 1981). The site was described as a low-density surface scatter of quartz debitage, and no subsurface testing was performed at that time. The site was revisited in 2018 as part of a general study of the GWMP north of Alexandria, Virginia (Raszick and Bedell 2018). That investigation included the excavation of seven STPs across the site; three of those produced a total of 11 prehistoric artifacts consisting of 10 pieces of quartz debitage (including one core) and one piece of quartzite debitage (all noncortical). All of these artifacts were found in the top stratum [redacted] where the stratigraphy was described as a 0.1 to 0.3 ft thick dark yellowish brown silt loam A horizon that overlay a ca. 0.3 ft thick yellowish brown silt loam E horizon (Raszick and Bedell 2018). The E horizon overlay the strong brown silty clay loam B horizon. The [redacted] portion of the site appeared to be eroded and rocky, and no STPs were excavated [redacted] (Raszick and Bedell 2018:42). In summary, the previous investigations of site 44FX0373 have documented a large site characterized by low artifact density; no temporally diagnostic artifacts were recovered during the previous investigations.

SITE SETTING

Site 44FX0373 is located [redacted] The overall site boundaries are largely coterminous with the landform, as the site is [redacted] The site is forested and there is light to moderate growth in the understory (Figures 6.1 and 6.2). Soils on the site are mapped primarily as Glenelg silt loam (7–15% slopes), which is residuum weathered from mica schist or phyllite (USDA NRCS 2019). The project investigation was confined to the [redacted] portion of the site within the LOD (but includes a 150-ft buffer beyond the proposed LOD), which encompasses a portion of the ridge spur and slope. There was no surficial indication of erosion other than on the narrow ridge spur and on the side slopes of the ridge. Severe disturbance appeared limited to the remnants of an unimproved road cut (including an apparent vehicle turn-out location) along the [redacted] side slope of the ridge. The road cut, which is fairly substantial (about 25 feet wide) and is cut into the terrain, appears to have been constructed as part of a planned housing development after 1951 but prior to 1957, according to aerial photographs. Only portions of the housing development west of I-495 and outside the GWMP boundary were ultimately constructed, prior to 1979.

INTENSIVE PHASE I

Shovel Tests

In total, 59 STPs were excavated at 25-ft intervals on the less steeply sloped portions of the site within the LOD and the 150 ft buffer, and the boundary of the site was very minimally expanded to the [redacted] (Figure 6.3). STPs encountered soil sequences that are broadly consistent with the mapped soil type. In general, STPs encountered an A/E/Bt horizon sequence, although there was some variation in regard to depth to the Bt horizon and the E horizon was not present in some areas (Figures 6.4 and 6.5). The A horizon (0–0.5 ftbs) consisted of dark brown (7.5YR 3/2) to very dark brown (7.5YR 2.5/2) silt loam over a pale brown (10YR 6/3) or brownish yellow (10YR 6/6) silty clay loam E horizon (0.5–1.2 ftbs). The E horizon was underlain by a red (2.5YR 5/6) or strong brown (7.5YR 4/6) silty clay loam Bt horizon (1.2–1.9 ftbs). STPs excavated [redacted] portion of the investigated area encountered a

truncated sequence consisting of the humic zone overlying the Bt horizon, and STPs situated on the narrow ridge finger at the [redacted] extent of the site encountered very shallow and excessively rocky soils.

Figure 6.1. View of main ridge nose on site 44FX0373, facing north.

Figure 6.2. View of northwestern finger ridge on site 44FX0373, facing southeast.

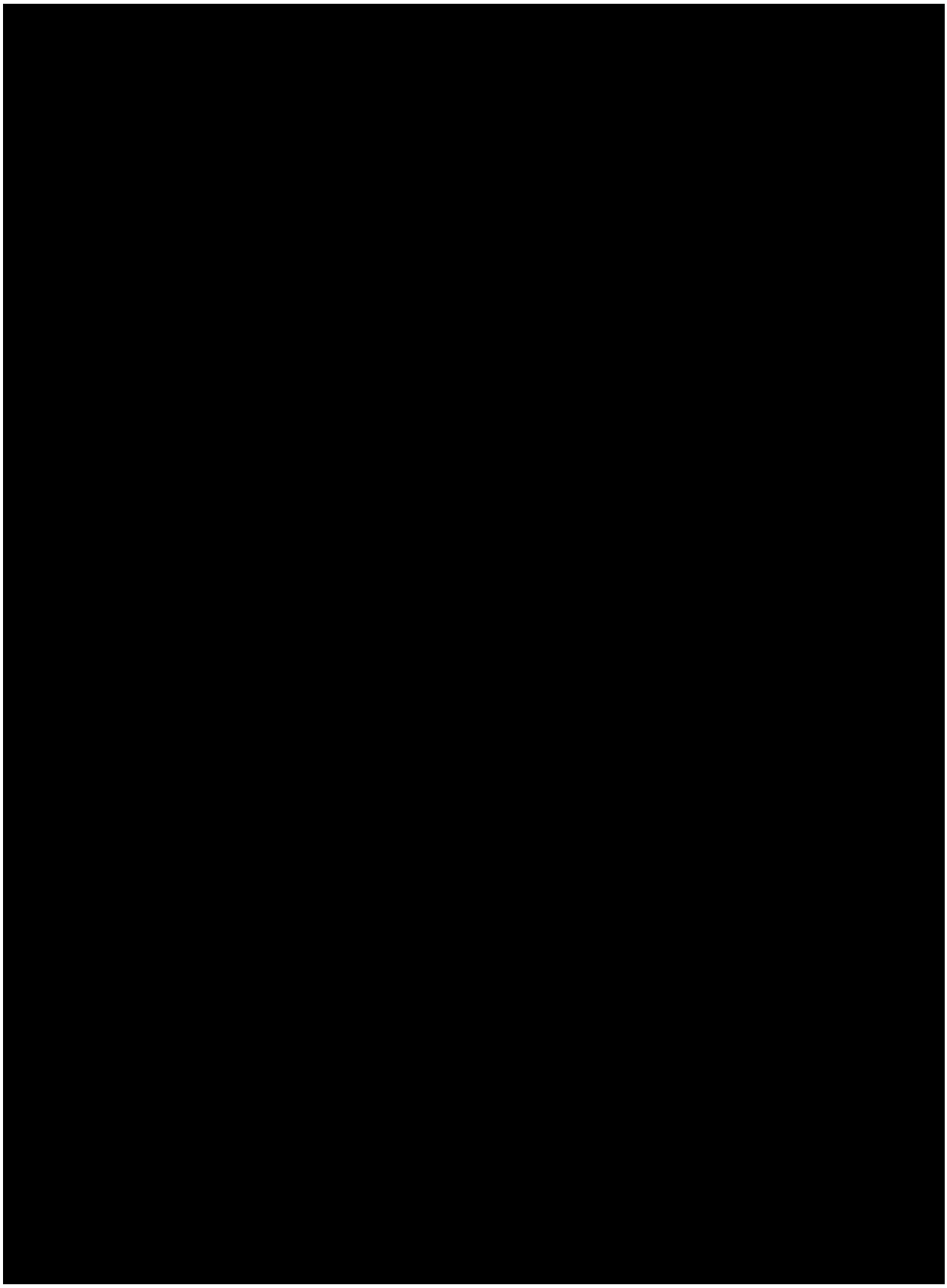

Figure 6.3. Plan map of site 44FX0373.

Figure 6.4. View of typical STP profile at site 44FX0373.

Figure 6.5. View of truncated STP profile at site 44FX0373.

Thirteen STPs produced a total of 17 pieces of debitage—one chert, two quartzite, and 14 quartz. These consist of two cores, 14 flake fragments, and one piece of shatter. In addition, one quartz flake was found on the surface. The STPs only produced from one to two artifacts each, and STPs yielding artifacts were primarily located in the southern portion of the site.

Test Units

One 3 × 3 ft TU (11) was excavated on 44FX0373. The TU was placed at N1011 E1024 in the area that produced the two cores (see Figure 6.3). The A horizon (0–0.25 ftbs) was very dark grayish brown (10YR 4/2) silt loam and was underlain by an E horizon (0.25–0.75 ftbs) of brownish yellow (10YR 6/6) silt loam with cobbles increasing in density with depth (Figures 6.6 and 6.7). The underlying Bt horizon was encountered at 0.75 ftbs and was a yellowish red (5YR 5/8) silty clay with degrading bedrock. Test Unit 11 produced only a single artifact, a very small (0.1 g) quartz tertiary flake from the A horizon.

Figure 6.6. View of north wall profile of TU 11 at site 44FX0373.

Artifacts

Lithic Artifacts. The site 44FX0373 assemblage consists of two cores, 16 flake fragments, and one piece of shatter. All but three of the artifacts are quartz, with the exceptions consisting of one chert and two quartzite flake fragments (Table 6.1). One of the cores retains some cortex, but the remainder of the artifacts do not. Most of the debitage is small (1–2 cm), and the few larger pieces are still relatively small (2–4 cm).

Artifact Distribution. Artifacts were found in the A (n=11), E (n=3), and B (n=4) horizons—all from fairly shallow contexts—and on the surface (n=1) (Table 6.2). Overall, very few artifacts were encountered in the investigated portion of site 44FX0373; no artifacts were found on the rockier and shallow soils encountered on the narrow ridge finger. It is possible that higher concentrations of artifacts are present [redacted]

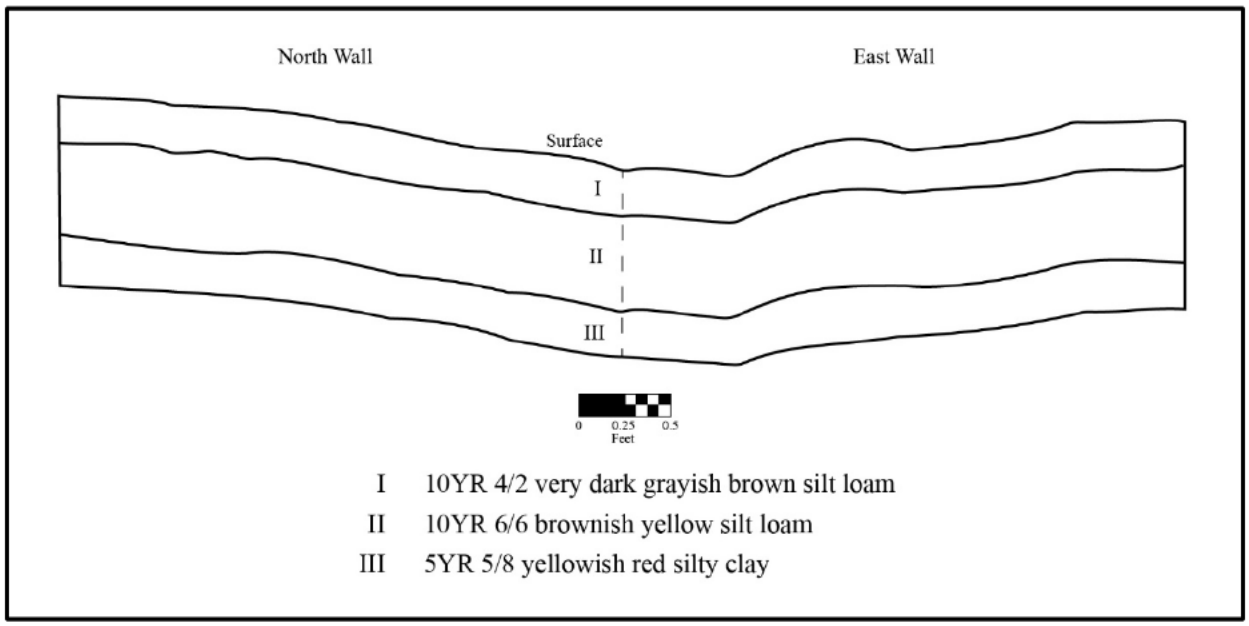

Figure 6.7. Profile drawing of north and east walls of TU 11 at site 44FX0373.

Table 6.1. Lithic Artifacts from Site 44FX0373 by Material.

Artifact Type	Quartz	Quartzite	Chert	Total
Debitage				
Flake, Fragment	12	2	1	**15**
Core, Fragment	2			**2**
Flake, Complete	1			**1**
Shatter	1			**1**
Debitage Subtotal	*16*	*2*	*1*	***19***
Totals	**16**	**2**	**1**	**19**

Table 6.2. Artifacts from Site 44FX0373 by Horizon.

Artifact Type	Surface	A	E	B	Total
Debitage					
Core, Fragment		2			**2**
Flake, Complete			1		**1**
Flake, Fragment	1	8	2	4	**15**
Shatter		1			**1**
Debitage Subtotal	*1*	*11*	*3*	*4*	***19***
Totals	**1**	**11**	**3**	**4**	**19**

SUMMARY AND RECOMMENDATIONS

Site 44FX0373 is a prehistoric site of unknown temporal affiliation that occupies the [redacted]. The intensive Phase I investigation at site 44FX0373 included the excavation of 59 STPs and one 3 × 3 ft TU, which generated a total of only 19 nondiagnostic lithic artifacts. The artifacts result from an unknown (but apparently limited) number of site visits during the prehistoric past and likely reflect the general foraging-related activities (including stone tool production) that occurred across the local

upland settings. Based on the project data, the portion of site 44FX0373 within the LOD and buffer represents a low-density prehistoric period artifact deposit typical of Piedmont settings, and there is no evidence of meaningful artifact concentrations, cultural features, or any other intact aspects of site structure in this area. The project investigations are not sufficient to characterize the site in its entirety or to evaluate the NRHP eligibility of the site as a whole, however, and it is possible that more diverse artifact types, substantial deposits, patterned distributions, and/or cultural features are present outside of the investigated area. Full Phase II evaluation would be necessary to determine the NRHP eligibility of site 44FX0373, but no additional archaeological investigation is recommended within the LOD and buffer for the MDOT MLS Study.

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7. RESULTS OF PHASE II EVALUATION OF SITE 44FX0374

SUMMARY OF PHASE I SURVEY

Site 44FX0374 was identified during Johnson's 1980 reconnaissance survey of the Fairfax County section of the Park (Johnson 1981). Fourteen STPs were excavated as part of that investigation and these yielded a total of 25 pieces of quartz debitage, including two cores. The site was revisited in 2018 as part of a general study of the GWMP north of Alexandria, Virginia by Raszick and Bedell (2018:42). Fourteen STPs were excavated at that time, mainly on the upper part of the ridge finger. These encountered a simple A/E/B horizon soil sequence consisting of a dark grayish brown to very dark grayish brown silt loam A horizon (0.2 ft thick) over a 0.3 to 0.9 ft thick olive yellow to brownish yellow silt loam E horizon (Raszick and Bedell 2018:42). The combined A and E horizon soils conformably overlay a yellowish brown to strong brown silty clay loam B horizon (Raszick and Bedell 2018:42). Nine of the 14 STPs generated a total of 377 prehistoric lithic artifacts. Most of the artifacts were found in two of the STPs on the ridge (Raszick and Bedell 2018:42). The artifacts include a nondiagnostic quartz biface, 375 pieces of quartz debitage (including two cores), and one piece of quartzite debitage (Raszick and Bedell 2018:42). All of the artifacts were found in extremely to moderately shallow subsurface contexts (i.e., the A and E horizons), and in a few shovel tests, all of the artifacts were found in the thin A horizon (Raszick and Bedell 2018:42).

SITE SETTING

Site 44FX0374 is located [redacted] (see Figures 1.2 and 1.3). The overstory appears typical of that encountered in the Park and there is relatively little understory growth (Figures 7.1 and 7.2). Soils on the site are mapped primarily as Glenelg silt loam (7–15% slopes and 25–45% slopes), which is residuum weathered from mica schist or phyllite (USDA NRCS 2019). The site is bounded by slope [redacted]; the [redacted] boundary of the site is formed by slope and an eroded, unimproved road cut 70 feet outside the site boundary. The [redacted] portion of the ridge was visibly disturbed and contained multiple mounded push piles, all attributed to past construction and possibly logging of the area. These include three rounded piles at the [redacted] end of the site, which are ca. 21.5 ft in diameter with central (ca. 6 ft diameter) depressions. These are larger and more coherent in form than the other piles, but limited investigation of these suggests that they are related to prior logging or possibly subdivision activities and not associated with the naval stores industry as their morphology suggested at first glance. LiDAR shows several other such cone-shaped features within 250 feet of 44FX0374.

PHASE II EVALUATION

Shovel Tests

A total of 78 STPs were excavated across the site at 25-ft intervals and just over half of these (*n*=45) produced artifacts (Figure 7.3). Most STPs encountered similar soils (varying mainly in the thickness of the E horizon) across the site, which involved an A/E/Bt horizon soil sequence that is consistent with the soil type mapped for this area (Figure 7.4). The Bt horizon subsoil was encountered at depths of 0.8 to 1.6 ft (typically between 0.9–1.2 ftbs), and artifacts were encountered throughout the A and E horizons. STPs excavated within or adjacent to the large low mounded push piles in the [redacted] portion of the site encountered fill layers over the original remnant A horizon at a depth of 1.5 ft and the Bt horizon subsoil at a depth of 1.9 ft; this included a thin, reddened layer composed of some mineral concretion that was not encountered elsewhere (it did appear to be the result of oxidation resulting from exposure to fire). Lithic artifacts were encountered in the modern A horizon and the artificially buried A horizon remnant in that

STP. An STP excavated in the central depression of one of the push piles encountered a typical A/E/Bt horizon soil sequence (and no indication of any historic or prehistoric period function).

Figure 7.1. View of site 44FX0374, facing southwest.

Figure 7.2. View of site 44FX0374, facing south.

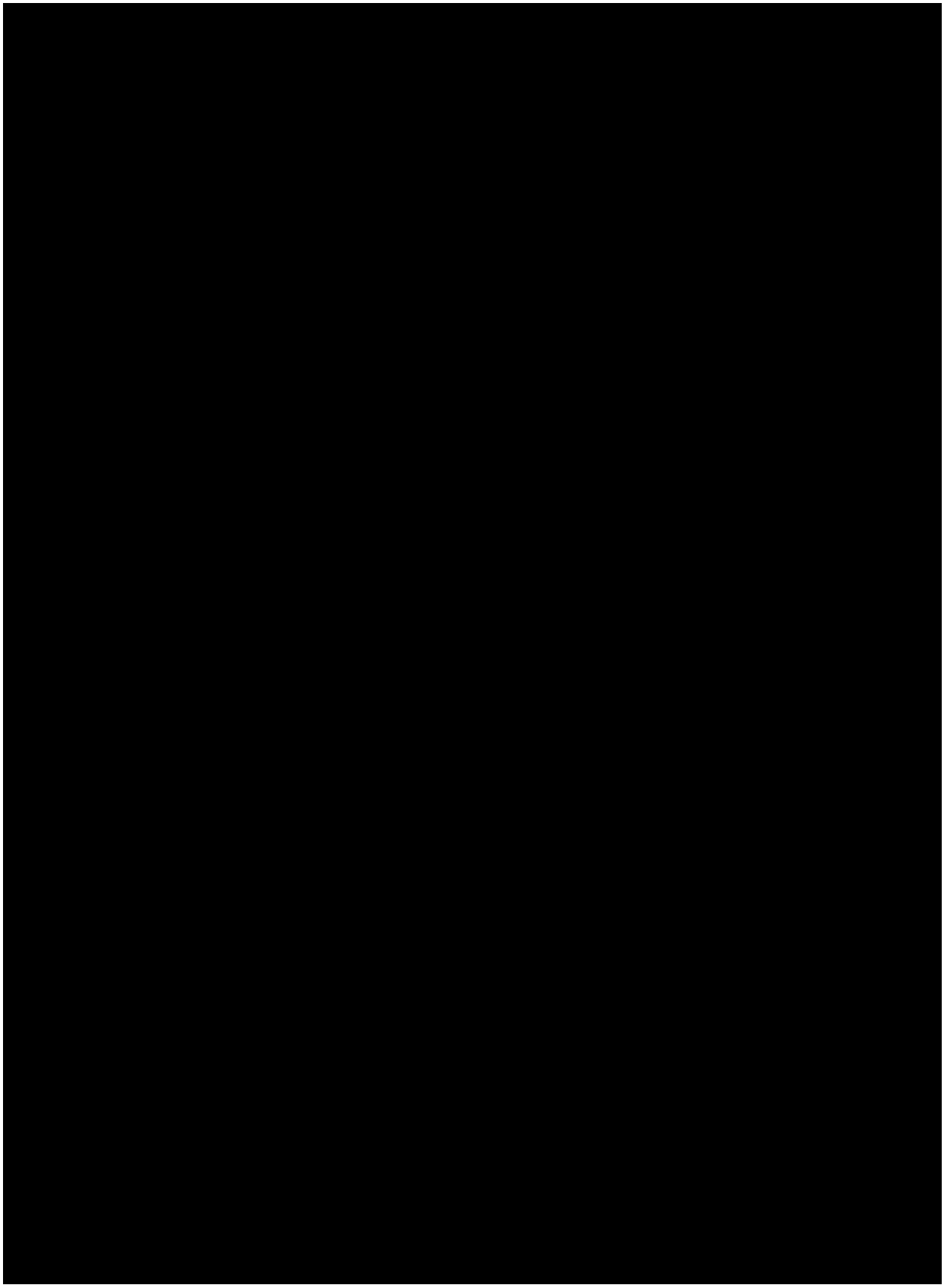

Figure 7.3. Plan map of site 44FX0374.

Figure 7.4. View of representative STP profile at site 44FX0374.

The STPs generated 475 lithic artifacts and three ceramic sherds. The STP lithic assemblage includes one fragmentary quartz Savannah River PPK, two fragmentary late stage bifaces (one quartz, one jasper), two quartz early stage bifaces, one quartz biface fragment, two quartz scrapers, one quartz utilized flake, three quartz retouched flakes, four quartz cores, and 459 pieces of unmodified debitage (all quartz). The three ceramic sherds from STPs are tempered with fine sand but are eroded and unclassified in regard to type. Artifacts were recovered from the A (n=292), A2 (n=2), E (n=162), and B (n=15) horizons in STPs across [redacted]. STPs produced from one to 82 artifacts, although almost three-quarters of the STPs yielded less than 10 artifacts each. The higher density STPs were located [redacted].

[redacted] In total, 161 artifacts were collected from the surface, including one unclassified ceramic sherd (eroded, fine sand tempered), 28 lithic tools (a nutting stone, one Lamoka PPK, three Small Savannah River PPKs, one Rossville PPK, five each early, mid-, and late stage bifaces, two scrapers, four retouched flakes, and one utilized flake), two cores, and 130 pieces of unmodified debitage.

In general, the [redacted] portion of the site produced very few artifacts, as did the eroded and rocky [redacted] ends of the landform. Higher artifact densities were found [redacted] of the site, including those areas where ceramic sherds were found in STPs and on the surface. All of the lithic tools were also found in the area of higher densities, in surface and subsurface contexts, with the exception of those encountered on the [redacted] (although the collection of artifacts in that area was selective in nature, there was no accompanying surface scatter of lithic debitage).

Test Units

Five 3 × 3 ft TUs (7–10 and 22) were excavated during the evaluation of site 44FX0374. These were placed at locations that produced higher densities of lithic artifacts, potentially diagnostic lithic tools, and/or ceramic sherds.

Test Unit 7. TU 7 was placed at N3100 E2977 near an STP that had generated 48 pieces of lithic debitage (see Figure 7.3). TU 7 encountered the typical A/E/Bt horizon soil sequence (Figure 7.5). The organic A horizon (0–0.15 ftbs) was dark gray (10YR 4/1) silt loam and overlay a light yellowish brown (10YR 6/4) silt loam E horizon (0.15 to 0.65 ftbs). The Bt horizon (0.65 to 1.15 ftbs) was strong brown (7.5YR 4/6) silty clay and contained some decayed/degraded rock. TU 7 generated 136 quartz artifacts, consisting of one early stage biface and 135 pieces of unmodified debitage. Artifacts were roughly evenly distributed between the A (*n*=66) and E (*n*=70) horizons.

Figure 7.5. View of north wall profile of TU 7 at site 44FX0374.

Test Unit 8. TU 8 was placed at N3121 E3023 near an STP that had produced two ceramic sherds and five lithic artifacts. The three typical strata were observed (Figures 7.6 and 7.7). Stratum I was a thin (0–0.10 ftbs) very dark grayish brown (10YR 3/2) silt loam A horizon; Stratum II (0.10–0.85 ftbs) was a very pale brown (10YR 7/3) silt loam E horizon; and Stratum III (0.85–1.1 ftbs) was a strong brown (7.5YR 4/6) silty clay Bt horizon. TU 8 produced 156 lithic artifacts and four prehistoric ceramic sherds. The ceramic sherds are all eroded and unclassified; two of these contain voids consistent with leached shell (in addition to coarse sand) and two are tempered with fine sand. The lithic artifacts are all pieces of unmodified debitage, which include 146 quartz, five quartzite, three rhyolite, and two argillite specimens. Artifacts were recovered from the A (*n*=37) and E (*n*=123) horizons.

Figure 7.6. View of south wall profile of TU 8 at site 44FX0374.

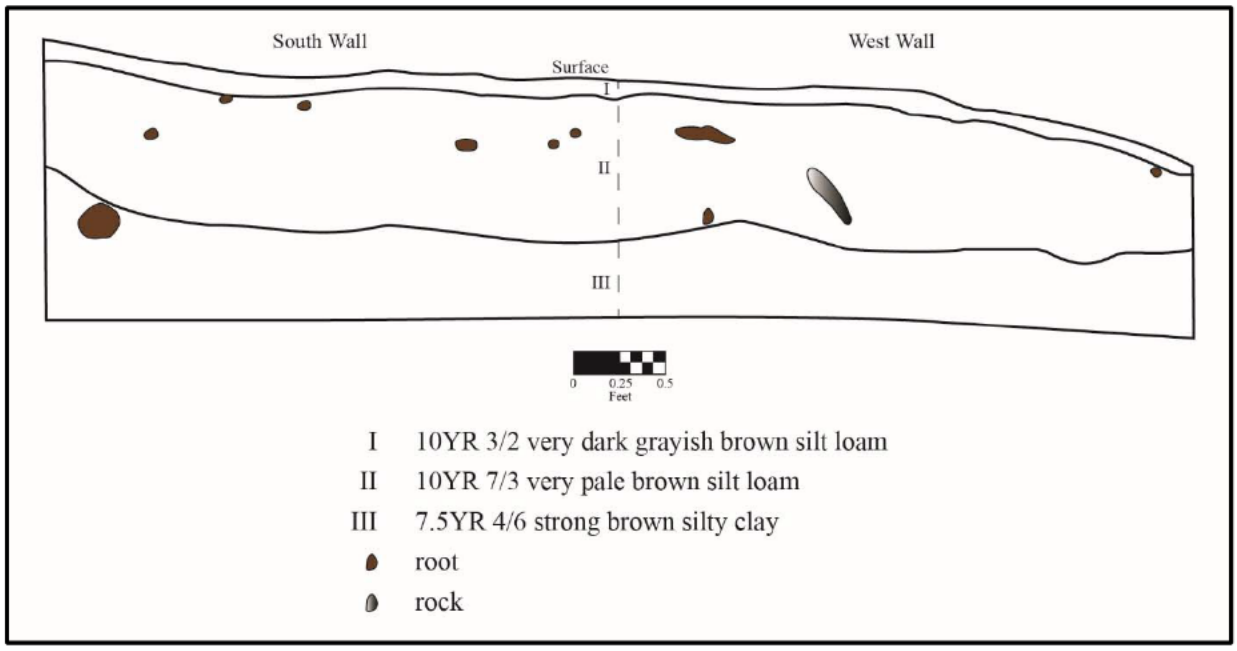

Figure 7.7. Profile drawing of south and west walls of TU 8 at site 44FX0374.

Test Unit 9. TU 9 was placed at N3171 E2948 near an STP that produced three cores and 79 pieces of debitage (see Figure 7.3). TU 9 encountered the typical A/E/Bt sequence (Figure 7.8). The upper stratum was dark grayish brown (10YR 4/2) silt loam and extended to 0.25 ftbs, where it transitioned to the light yellowish brown (10YR 6/4) silt loam E horizon. This extended to the top of the strong brown (7.5YR 5/6) silty clay Bt horizon, which was encountered at a depth of 1.1 ft.

Figure 7.8. View of west wall profile of TU 9 at site 44FX0374.

TU 9 produced 1,146 lithic artifacts, including 11 chipped stone tools. These include one quartz Small Savannah River stemmed PPK, three quartz late stage biface fragments, five quartz mid-stage bifaces, one quartz early stage biface, and one quartz retouched flake. Other artifacts from TU 9 include three cores, 1,120 pieces of debitage (1,114 quartz, four quartzite, and two rhyolite), and 12 small pieces of quartz FCR. A majority of the artifacts were found in the E horizon (n=902), and within that horizon, the artifacts were vertically distributed in unimodal fashion (i.e., a stepwise decline in density, with 69% found in the top level, 21% found in the next level, 8% found in level three, and 2% found in the lowest level). Ten of the 11 chipped stone tools were found in the upper two levels.

Test Unit 10. TU 10 was placed at N3194.5 E2927 near an STP that had produced a biface fragment and 14 pieces of debitage (see Figure 7.3). The three typical strata were present (Figure 7.9). Stratum I was a thin (0.25 ft thick) dark gray (10YR 4/1) silt loam A horizon; Stratum II was a yellowish brown (10YR 5/8) silt loam E horizon; and Stratum III was a yellowish red (5YR 5/8) silty clay Bt horizon, which was encountered at about 0.65 ftbs. TU 10 produced 45 lithic artifacts, which are limited to unmodified quartz debitage. All but one of these was recovered from the first two excavation levels (i.e., the A and upper E horizon).

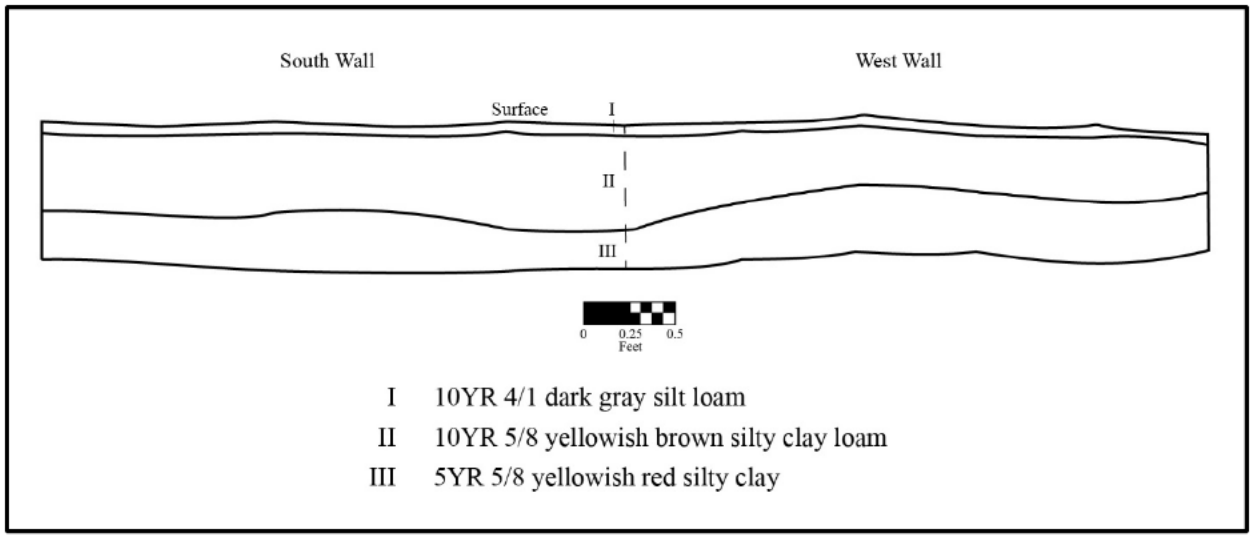

Figure 7.9. Profile drawing of south and west walls of TU 10 at site 44FX0374.

Test Unit 22. TU 22 was placed at N3096 E3022 near an STP that had produced one ceramic sherd and four pieces of debitage (see Figure 7.3). The three typical strata were observed in TU 22 (Figures 7.10 and 7.11). Stratum I was the thin (0–0.20 ftbs) dark gray (10YR 4/1) silt loam A horizon, which overlay the very pale brown (10YR 7/4) silt loam E horizon (0.20–0.70 ftbs), which was underlain by the strong brown (7.5YR 5/6) silty clay Bt horizon. TU 22 generated 66 quartz artifacts, including a late stage biface, a core fragment, 60 pieces of debitage, and four FCR. Most of these were found in the E horizon (*n*=51).

Figure 7.10. View of west wall profile of TU 22 at site 44FX0374.

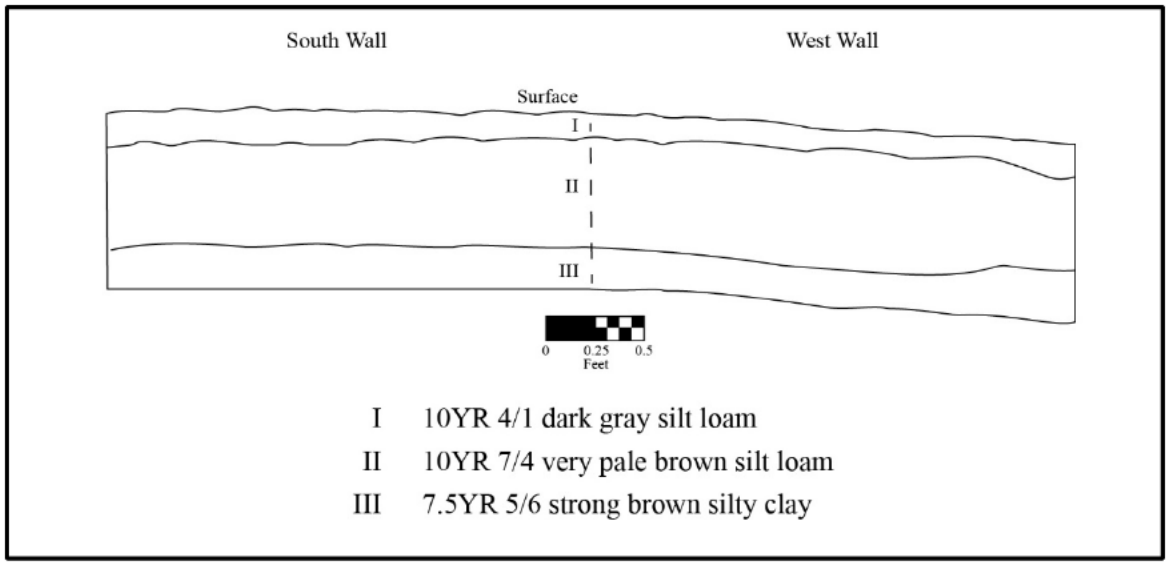

Figure 7.11. Profile drawing of south and west walls of TU 22 at site 44FX0374.

Artifacts

Lithic Artifacts. The lithic assemblage (*n*=2,184) consists almost exclusively of quartz artifacts (Table 7.1). Other minority raw materials found include quartzite (*n*=10), rhyolite (*n*=5), argillite (*n*=2), and jasper (*n*=1). The source of the rhyolite and argillite is unclear, but it is likely that quartzite was encountered at major quartz source areas or in stream deposits (given the color variation in the small sample, the latter may be the case). The rhyolite flakes (gray aphyric and porphyritic varieties) are all very small and suggest refurbishment of finished or nearly finished bifaces, which suggests the presence of more highly curated tool forms that may have outlasted individual site occupations. Both argillite flakes are a reddish-brown variety. All chipped stone tools in the assemblage are made of quartz, with the exception of one late stage biface fragment made from a red jasper, a material that is not represented in the debitage sample.

Tools include eight PPKs, representing Late Archaic through Early Woodland period components. They consist of a complete Lamoka (Figure 7.12f); the base portion of a Savannah River (Figure 7.12a); four Small Savannah River (one complete, three fragmentary) (Figures 7.12b–e); a Calvert (Figure 7.12g); and a Rossville (Figure 7.12h). The Calvert is small even for this type and was likely resharpened at least once. The Rossville also appears to have been resharpened or reused on the distal end likely after an impact fracture. Most of the Savannah River PPK is missing, and two Small Savannah River PPKs are missing the distal portion. It is possible that these represent impact fractures, although given the material, it is also likely that they were broken during construction. Other PPKs do not show any obvious evidence of use and may have been manufactured on site.

The tool assemblage includes 31 other bifaces, representing the range of lithic reduction stages. Nine (four complete, five fragmentary) appear to have been abandoned at an early stage of reduction (e.g., Figure 7.13), and 10 (three complete, seven fragmentary) are classified as mid-stage bifaces (e.g., Figure 7.14). Ten of these appear to have been abandoned at a relatively late stage of reduction, including one complete and nine fragmentary specimens (e.g., Figures 7.15). One small biface fragment cannot be further classified. None of these displays macroscopically visible evidence of use, although it is likely that at least some of them were utilized for a variety of tasks. Several of the late stage biface fragments are clearly portions of PPKs or PPK preforms (e.g., Figure 7.15a, d, e).

The other chipped stone tools in the assemblage include four side scrapers, two utilized flakes, and eight retouched flakes (e.g. Figure 7.12i). The four side scrapers include two with bifacial bits, resembling the type IIb variety and stage IV variety. The other two are classified as type I scrapers and exhibit unifacially modified or indeterminate bits.

The debitage from 44FX0374 includes 10 cores, 190 complete flakes, 1,784 flake fragments, and 131 pieces of shatter. All of the cores are quartz and these include five exhausted (amorphous/multidirectional) specimens (e.g., Figure 7.16a–b, e) and five fragments (e.g., Figure 7.16c, d). Most of the unmodified quartz debitage (*n*=2,089) is noncortical (95.8%), and small (0–2 cm=84.3%) (Table 7.2).

In addition to the chipped stone tools, a small ground or pecked quartzite cobble (anvil stone/nutting stone) was collected from the surface (Figure 7.17). The artifact exhibits small pits on the opposing sides, attributed to use involving a rotary motion (e.g., nut processing or tool manufacture). Sixteen small, broken quartz cobbles represent FCR; these were all recovered from TUs 9 and 22.

Table 7.1. Lithic Artifacts from Site 44FX0374 by Material.

Artifact Type	Quartz	Quartzite	Rhyolite	Other	Total
Tools					
Biface, Early Stage	9				**9**
Biface, Late Stage	9			1	**10**
Biface, Mid Stage	10				**10**
Biface, Unid.	1				**1**
Retouched Flake, Fragment	1				**1**
Retouched Flake, Complete	7				**7**
Side Scraper, Stage IV	1				**1**
Side Scraper, Type I	2				**2**
Side Scraper, Type IIb	1				**1**
Utilized Flake, Complete	1				**1**
Utilized Flake, Fragment	1				**1**
Nutting Stone		1			**1**
PPK, Calvert	1				**1**
PPK, Lamoka	1				**1**
PPK, Rossville	1				**1**
PPK, Savannah River	1				**1**
PPK, Small Savannah River	4				**4**
Tools Subtotal	*51*	*1*		*1*	***53***
Debitage					
Core, Exhausted	5				**5**
Core, Fragment	5				**5**
Flake, Complete	189	1			**190**
Flake, Fragment	1,769	8	5	2	**1,784**
Shatter	131				**131**
Debitage Subtotal	*2,099*	*9*	*5*	*2*	***2,115***
Other					
Fire Cracked Rock	16				**16**
Other Subtotal	*16*				***16***
Totals	**2,166**	**10**	**5**	**3**	**2,184**

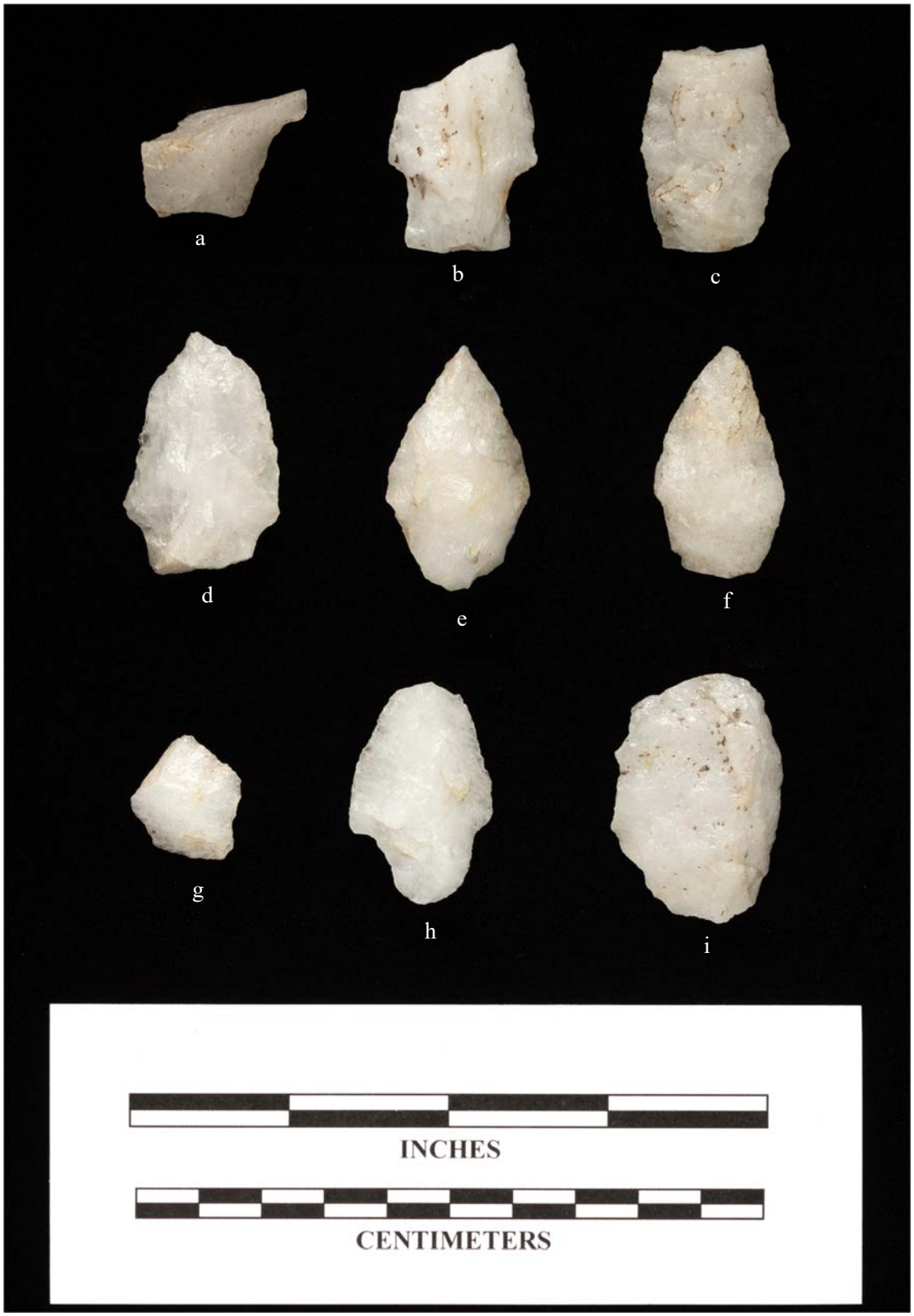

Figure 7.12. Representative tools from site 44FX0374. a) quartz Savannah River; b–e) quartz Small Savannah River; f) quartz Lamoka; g) quartz Calvert; h) quartz Rossville; i) quartz side scraper

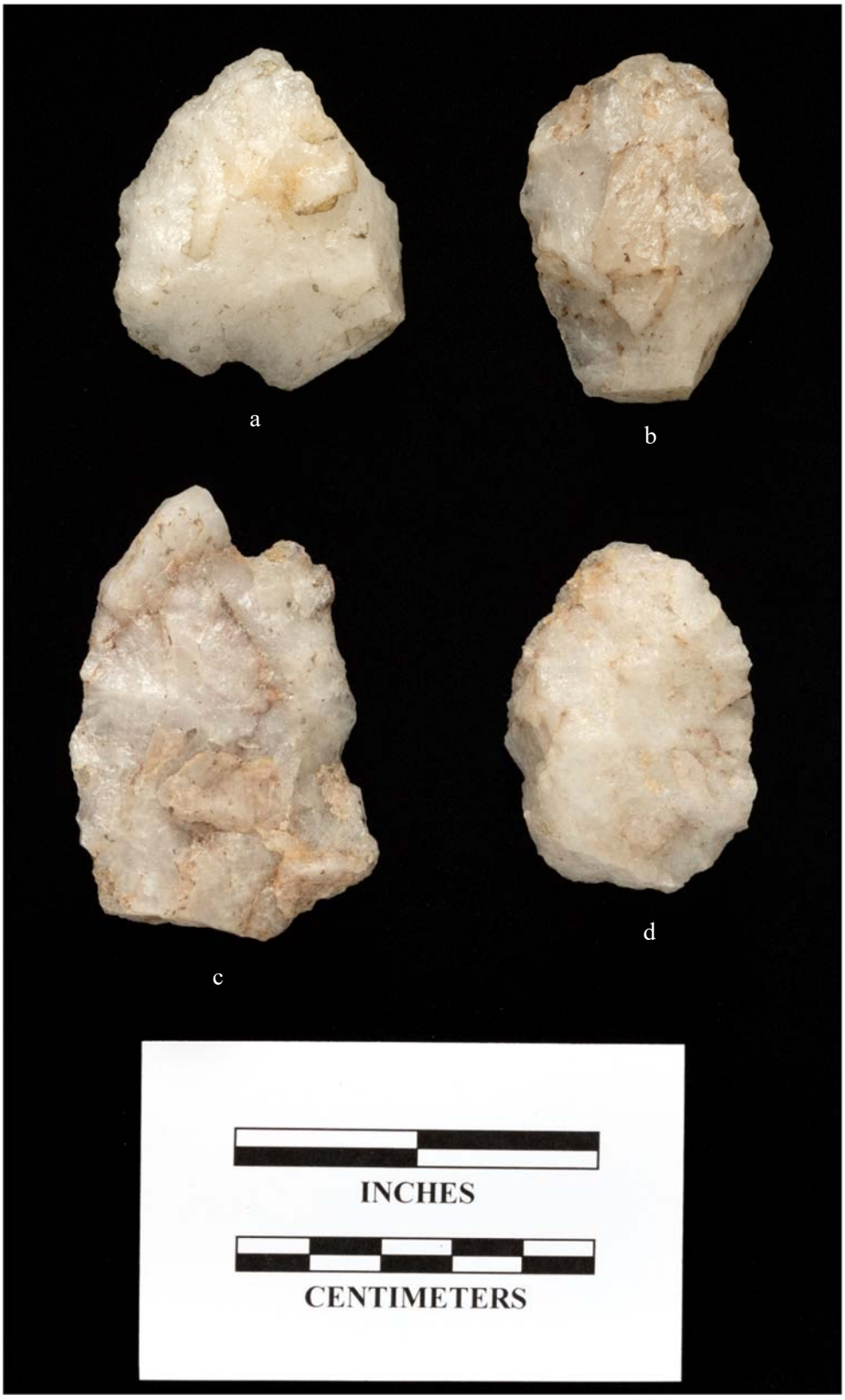

Figure 7.13. Representative early stage bifaces from site 44FX0374. a–d) quartz

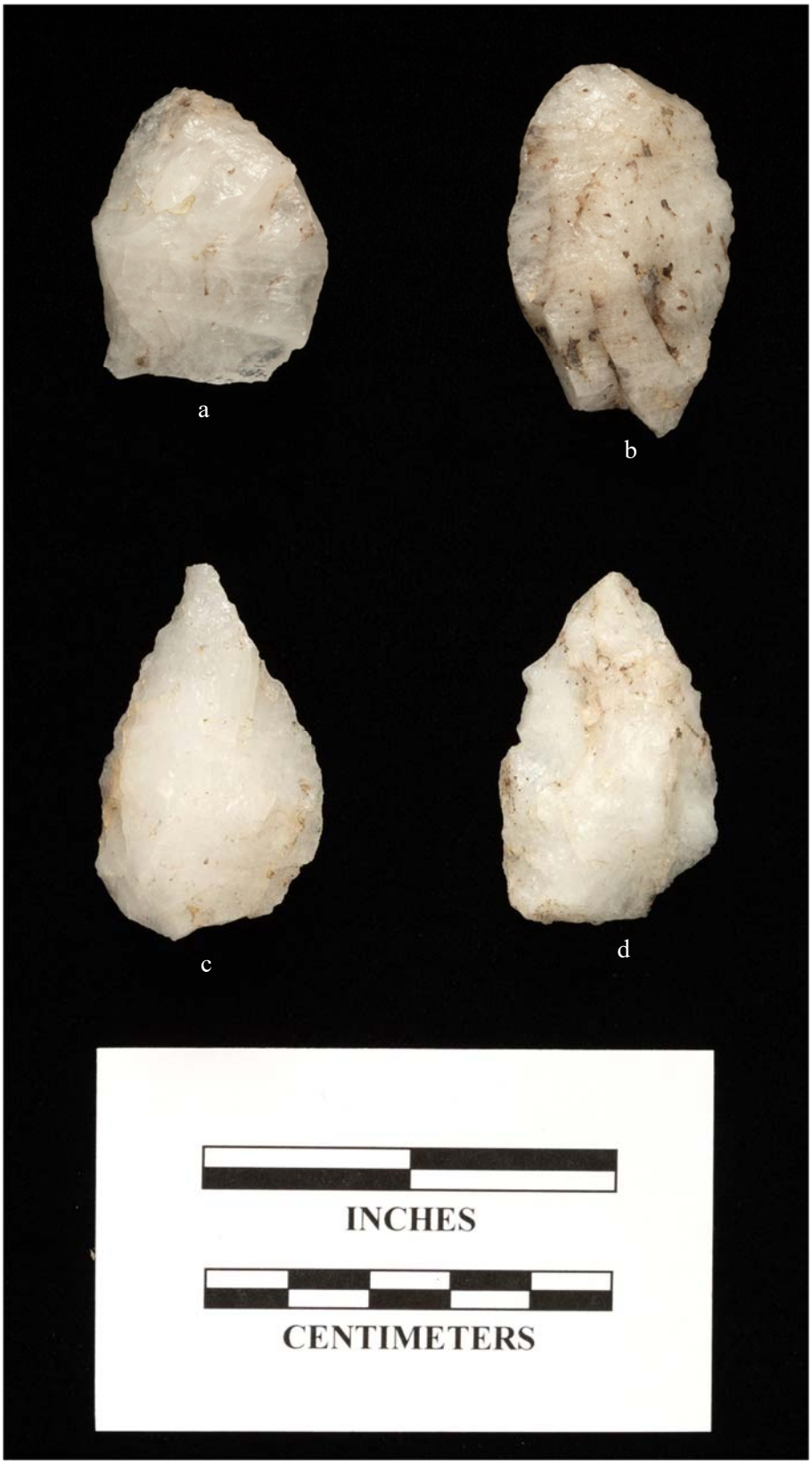

Figure 7.14. Representative mid-stage bifaces from site 44FX0374. a–d) quartz

Figure 7.15. Representative late stage bifaces from site 44FX0374.
a–e) quartz

Figure 7.16. Representative cores from site 44FX0374. a–b, e) quartz exhausted core; c–d) quartz core fragment

Figure 7.17. Nutting stone from site 44FX0374.

Table 7.2. Unmodified Flakes from Site 44FX0374 by Size and Cortex Classes.

Material Type	Cortex Category	<1 cm	1–2 cm	2–3 cm	3–4 cm	4–5 cm	>5 cm	Total
Rhyolite								
	Primary							
	Secondary							
	Tertiary	5						**5**
	Subtotal	*5*	*0*	*0*	*0*	*0*	*0*	**5**
Quartz								
	Primary		1	1				**2**
	Secondary		4	11	4	3		**22**
	Tertiary	192	1,454	260	26	2		**1,934**
	Subtotal	*192*	*1,459*	*272*	*30*	*5*	*0*	**1,958**
Quartzite								
	Primary				1			**1**
	Secondary				1	2		**3**
	Tertiary	1	2	1		1		**5**
	Subtotal	*1*	*2*	*1*	*2*	*3*	*0*	**9**
Argillite								
	Primary							
	Secondary							
	Tertiary		1	1				**2**
	Subtotal	*0*	*1*	*1*	*0*	*0*	*0*	**2**
Total								
	Primary		1	1	1			**3**
	Secondary		4	11	5	5		**25**
	Tertiary	198	1,457	262	26	3		**1,946**
	Total	**198**	**1,462**	**274**	**32**	**8**	**0**	**1,974**

Ceramic Artifacts. The ceramic sherd assemblage (*n*=8) includes artifacts from STPs (*n*=3), one TU (*n*=4), and the surface (*n*=1). All are larger than 2 cm in size but exhibit heavily eroded exterior surfaces and could not be confidently assigned to a particular type. These include six that are tempered with fine sand (e.g., Figure 7.18b–d) and two that exhibit voids consistent with leached shell, with an admixture of coarse sand (e.g., Figure 7.18a). No rim sherds were recovered. The sherds are too eroded to classify by type, but the small assemblage is likely associated with Early Woodland (sand temper, very friable, thick) and Late Woodland (shell tempered, relatively thin) components.

Artifact Distribution. More than half of the artifacts (60%) were recovered from the E horizon, and most of the remainder were found in the A horizon (32%) (Table 7.3). The more controlled excavations within the TUs demonstrated that the vertical distribution of artifacts in the E horizon is unimodal in character and after a spike in the first level, artifact counts (in all artifact classes) diminish precipitously with depth. There does not appear to be any clear vertical differentiation between artifact deposits associated with any of the components represented at the site, although this is more difficult to discern considering so many of the temporally diagnostic artifacts were found on the surface (Table 7.4). Within the E horizon, the Calvert PPK and all sherds except one shell tempered specimen were collected from the first level of the stratum.

In general, artifacts were more concentrated across the broader portion of the landform in the [redacted] part of the site and in particular [redacted] (Figures 7.19–7.23). PPKs were found scattered across this area, with no apparent clustering by type. Other tools, cores and staged bifaces were also concentrated in this portion of the site, although cores were also found in the [redacted] portion of the site in the areas containing the somewhat higher densities of debitage. All of the FCR were found in two TUs in the [redacted] portion of the site (in one of the TUs that produced the high density of debitage); four of the sherds were found in one TU in the [redacted] portion of the site and the other four were found within 50 feet of that TU; the nutting stone was found near the STP containing the Rossville PPK.

Figure 7.18. Representative ceramic sherds from site 44FX0374. a–d) unclassified

Table 7.3. Artifacts from Site 44FX0374 by Horizon.

Artifact Type	Surface	A	A2	E	B	Total
Tools						
Biface, Early Stage	5	3		1		**9**
Biface, Late Stage	5	3		2		**10**
Biface, Mid Stage	5			5		**10**
Biface, Unid.		1				**1**
Retouched Flake, Fragment			1			**1**
Retouched Flake, Complete	4	1		2		**7**
Side Scraper, Stage IV	1					**1**
Side Scraper, Type I	1	1				**2**
Side Scraper, Type IIb				1		**1**
Utilized Flake, Fragment		1				**1**
Utilized Flake, Complete	1					**1**
Nutting Stone	1					**1**
PPK, Calvert				1		**1**
PPK, Lamoka	1					**1**
PPK, Rossville	1					**1**
PPK, Small Savannah River	3	1				**4**
PPK, Savannah River		1				**1**
Tools Subtotal	*28*	*12*	*1*	*12*		***53***
Debitage						
Core, Exhausted	1	3		1		**5**
Core, Fragment	1	1		3		**5**
Flake, Complete	24	73		93		**190**
Flake, Fragment	95	538	1	1,135	15	**1,784**
Shatter	11	70		50		**131**
Debitage Subtotal	*132*	*685*	*1*	*1,282*	*15*	***2,115***
Other						
Fire Cracked Rock				16		**16**
Unclassified Sherd	1	2		5		**8**
Other Subtotal	*1*	*2*		*21*		***24***
Totals	**161**	**699**	**2**	**1,315**	**15**	**2,192**

Table 7.4. Temporally Diagnostic Artifacts from Site 44FX0374 by Horizon.

Artifact Type	Surface	A	E	Total
Lithics				
PPK, Lamoka	1			**1**
PPK, Savannah River		1		**1**
PPK, Small Savannah River	3	1		**4**
PPK, Rossville	1			**1**
PPK, Calvert			1	**1**
Tools Subtotal	*5*	*2*	*1*	***8***
Ceramics				
Sand Tempered	1	2	3	**6**
Shell Tempered			2	**2**
Ceramics Subtotal	*1*	*2*	*5*	***8***
Totals	**6**	**4**	**6**	**16**

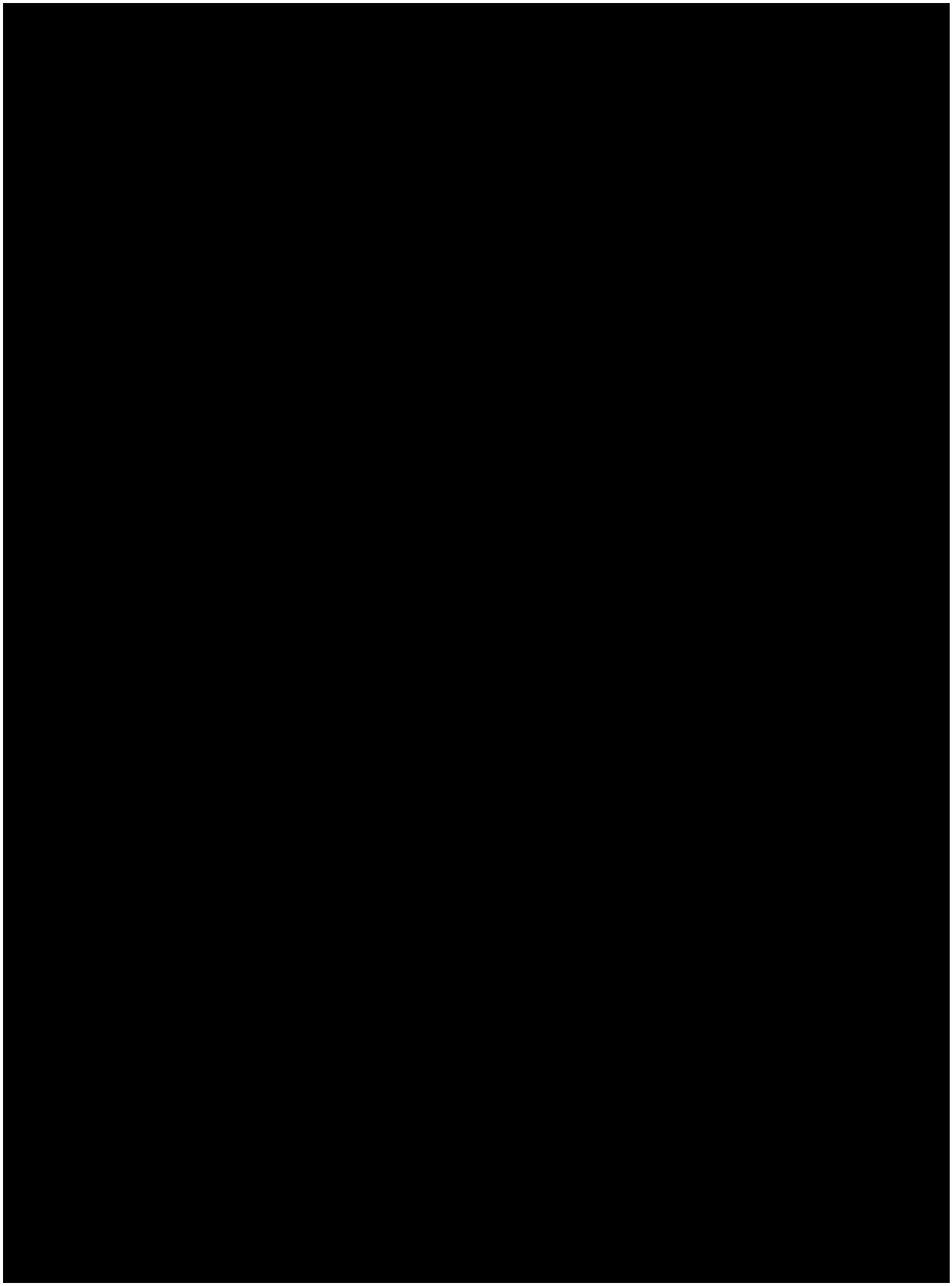

Figure 7.19. PPK density map for site 44FX0374.

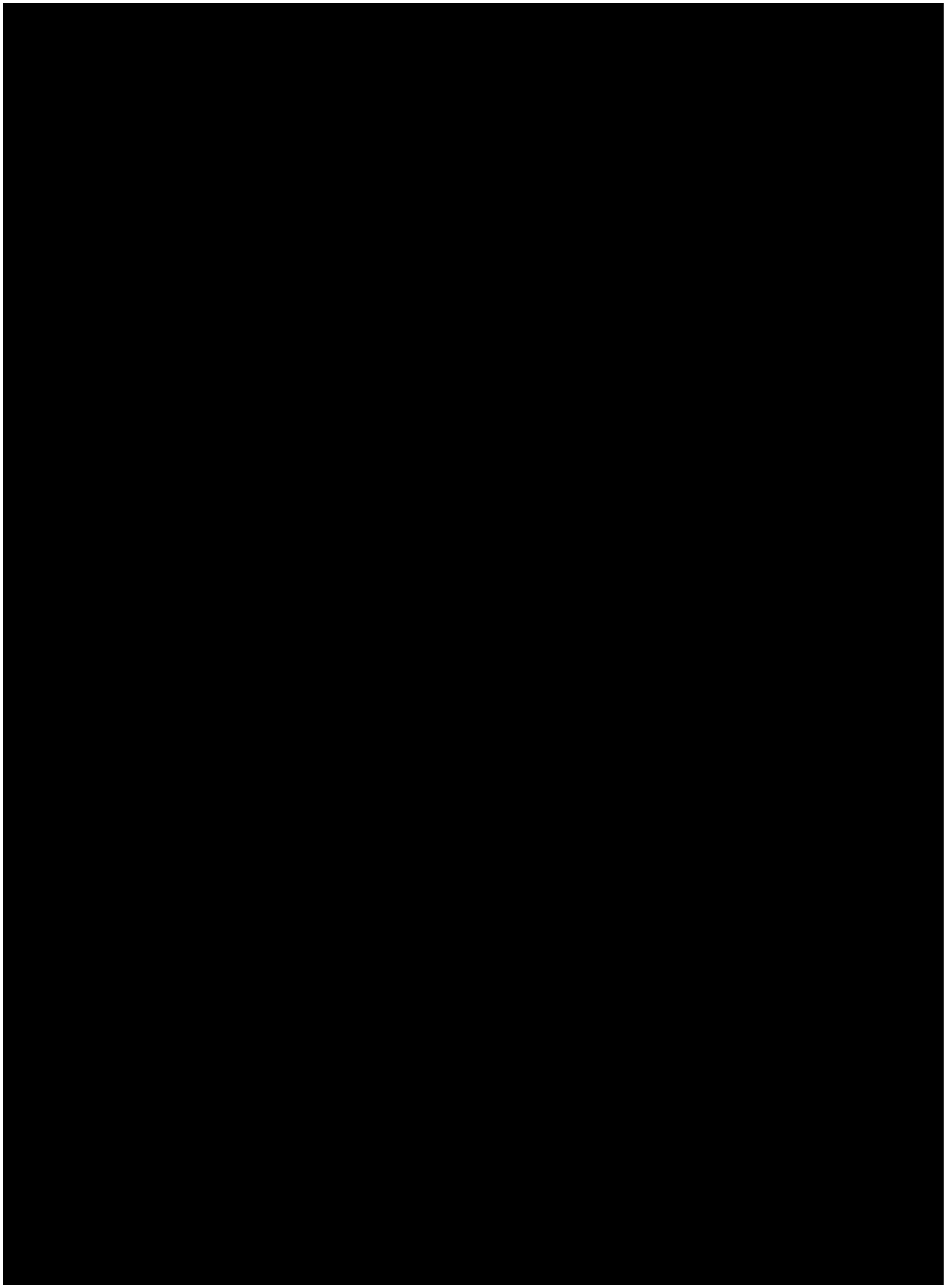

Figure 7.20. Biface density map for site 44FX0374.

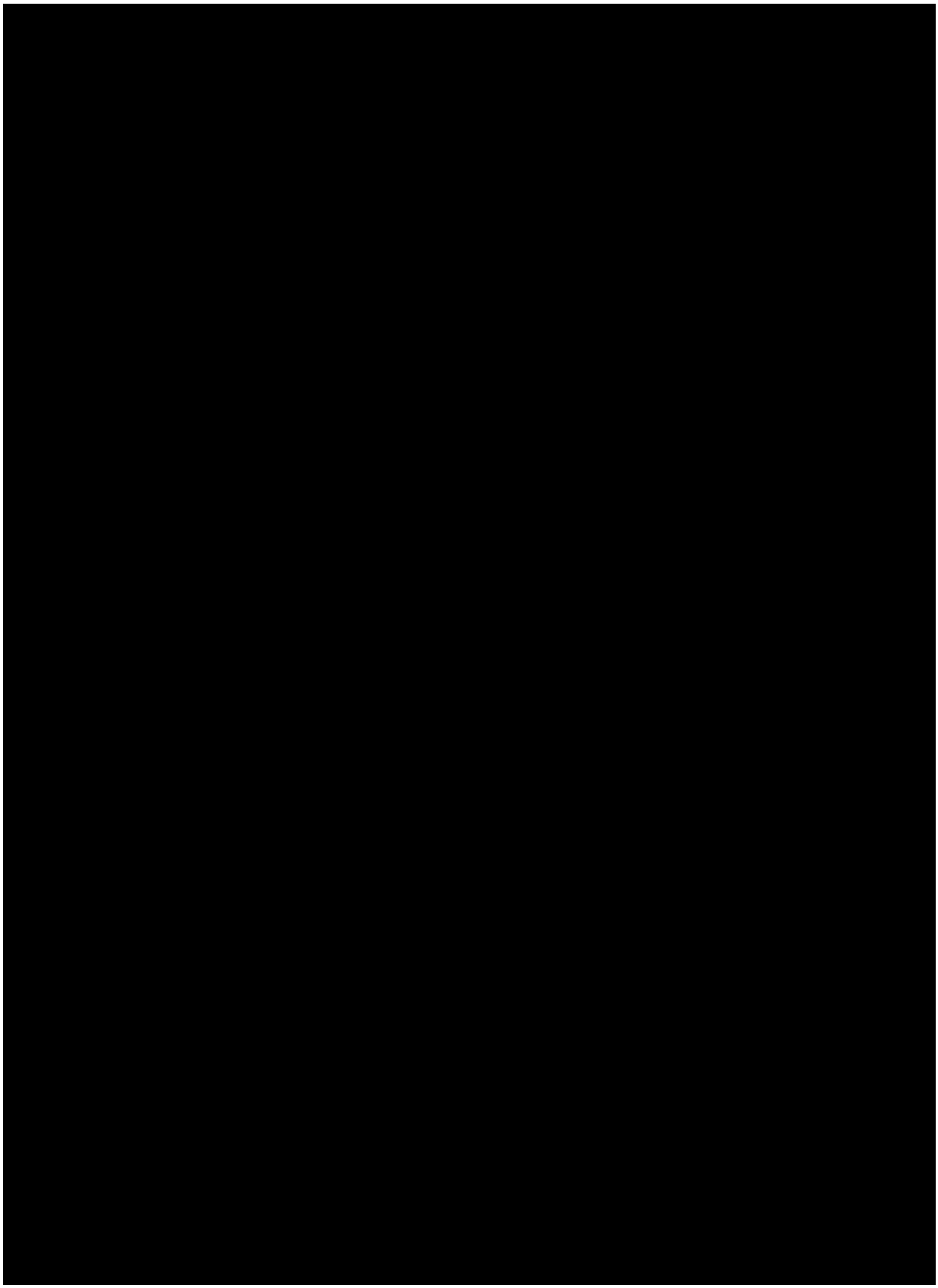

Figure 7.21. Unifacial tool density map for site 44FX0374.

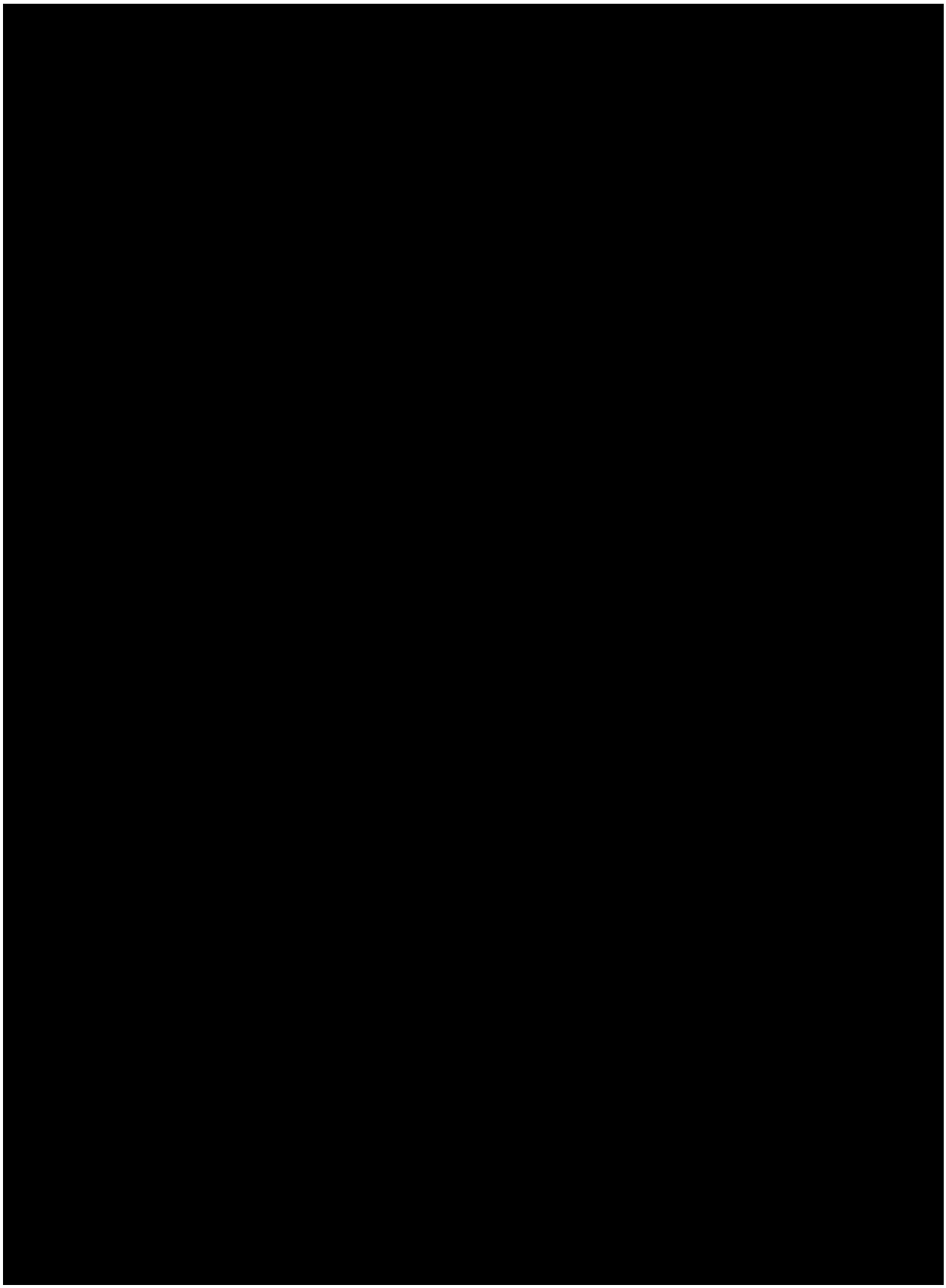

Figure 7.22. Core density map for site 44FX0374.

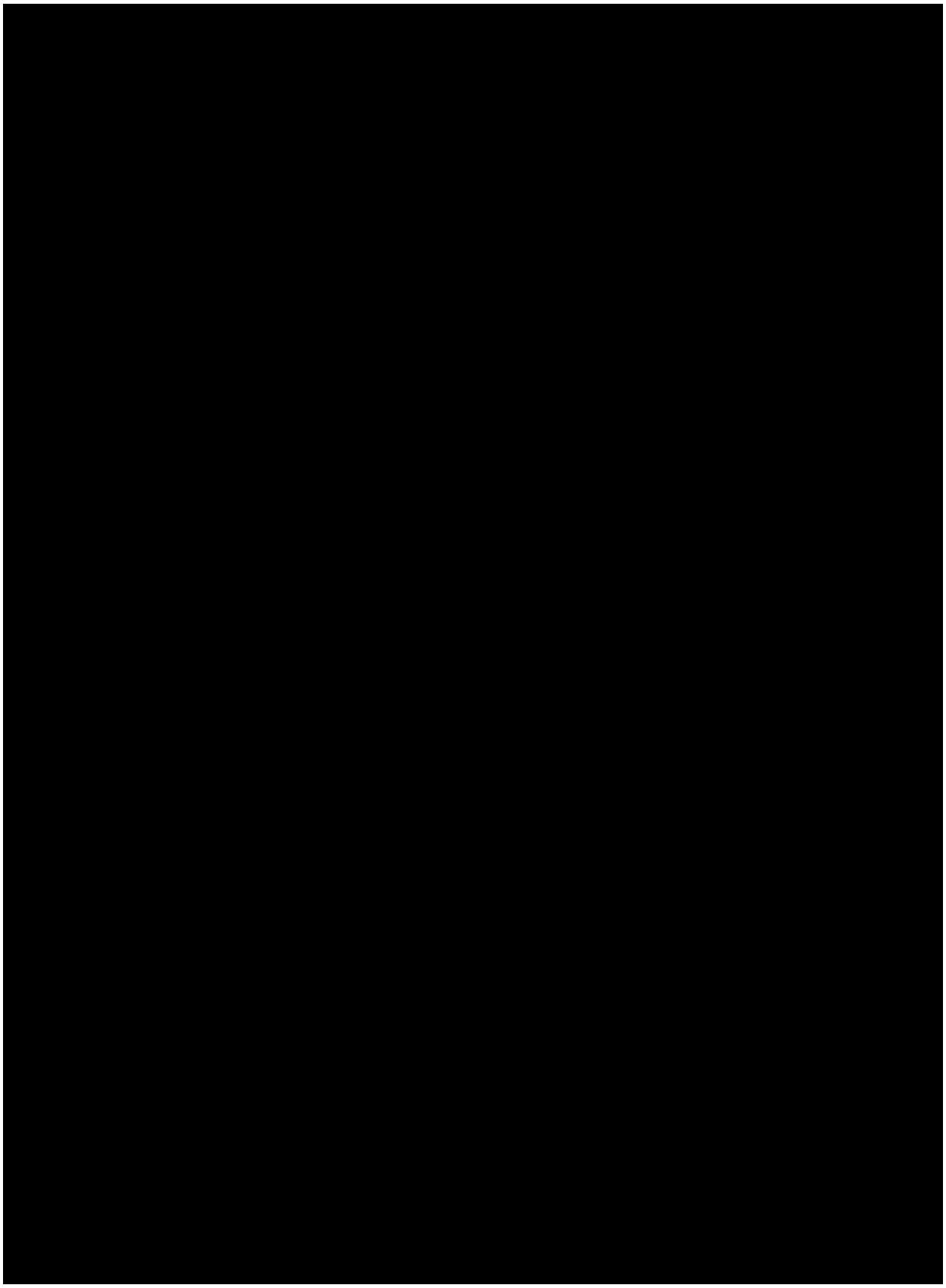

Figure 7.23. Debitage density map for site 44FX0374.

SUMMARY AND RECOMMENDATIONS

The Phase II investigation of site 44FX0374 involved the excavation of 78 STPs and five TUs resulting in the recovery of a total of 2,184 lithic and six ceramic artifacts. The lithic assemblage (all tool and debitage classes) is dominated by quartz, which was presumably acquired from a nearby source or sources. In general, the artifact assemblage reflects foraging-related activities including stone tool production and replacement, although the assemblage diversity is higher than some of the other sites investigated during this study, suggesting that at least some visits to the site involved a variety of other resource procurement and processing activities. The moderate density and less dispersed nature of the deposits suggest that there were multiple but perhaps not numerous visits and that those were still relatively short term, but perhaps lengthier visits than those that occurred at some of the other nearby sites. Temporally diagnostic artifacts indicate visits to the site during the Late Archaic, Early Woodland, and Late Woodland periods. There is no clear indication of vertically or horizontally discrete deposits by time period, although there are several apparent substantial concentrations of artifacts and some potential for the presence of cultural features (ceramics, nutting stone, FCR).

In summary, while there is not a strong indication of vertical sorting of material by time period at site 44FX0374, there is some potential for the delineation of horizontally discrete activity areas that may be associated with particular time periods and for the presence of cultural features. The recovery of side scrapers, informal flake tools (utilized and retouched flakes), FCR, a nutting stone, and ceramics suggests that a broader array of activities was carried out at the site over time, in addition to the biface/projectile point production, refurbishment, and replacement activities so well represented on other nearby sites. The Woodland component deserves special consideration since these later occupations are more likely to leave interpretable features. If such features are present, the horizontal overlap with other (earlier) components would be somewhat negated, especially if artifacts were found associated with relatively sealed pit proveniences. Site 44FX0374 has the potential to provide important information concerning local or regional prehistoric period occupations and is recommended eligible for the NRHP under Criterion D as a contributing resource to the Dead Run Ridges Archaeological District. Additional archaeological investigation or avoidance is recommended. Much of the site has been affected at least superficially by erosion possibly following past logging of the area, and ideally any further investigation of the site would be focused on the [redacted] of the site.

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8. RESULTS OF PHASE II EVALUATION OF SITE 44FX0379

SUMMARY OF PHASE I SURVEY

Site 44FX0379 was identified during a 1980 reconnaissance survey of the Fairfax County section of the Park (Johnson 1981). Artifacts were recovered from STPs and from exposed surfaces during that investigation and include two quartz bifaces (one was described as a potential, presumably fragmentary projectile point), 110 quartz flakes, four pieces of quartz debris, one quartz core, six quartzite flakes, and one meta-rhyolite flake (Johnson 1981). The site was revisited during a 2006 survey for the proposed Mt. Vernon Trail Extension in the Parkway and one quartz flake was collected during that limited investigation (Dongarra and Harris 2006:54).

SITE SETTING

Site 44FX0379 is located [redacted] and is [redacted] portions by the Parkway; the intervening portion has been destroyed by the construction of the Parkway (see Figures 1.2 and 1.3). The site is forested with light to moderate understory and on-site soils are mapped primarily as Glenelg silt loam (7–15% slopes and 25–45% slopes), which is residuum weathered from mica schist or phyllite (USDA NRCS 2019) (Figures 8.1–8.4). Surface visibility in both portions was limited to partially eroded areas. The [redacted] part of the site is bounded [redacted], and by the Parkway [redacted]; the [redacted] part of the site is bounded by the Parkway [redacted] and negative STPs to the west (which together define separation from newly identified site 44FX3900), and the [redacted] boundary was not completely established during the Phase II investigation, although a utility corridor abuts the site to the [redacted] of a housing development. During the Phase II investigation, the site boundary was slightly expanded to the [redacted] (see Figure 1.3).

PHASE II EVALUATION

Shovel Tests

In total, 295 STPs (162 [redacted], 133 [redacted]) were excavated across the site at 25-ft intervals and half of these (*n*=147—87 [redacted], 60 [redacted]) produced artifacts (Figure 8.5). A few STPs were not excavated in the [redacted] portion of the site due to the presence of a ground hornet nest; a similar number were not excavated in the [redacted] portion because of a large, impervious log pile (these are not counted in the total number of STPs given above). STPs encountered similar soils across the site, which consisted of an A/E/Bt horizon soil sequence that is consistent with the mapped soil type (Figure 8.6). Soil sequences and soils are characterized more fully in the test unit discussion, below. A few STPs along the Parkway edge encountered disturbance related to grading, and some (particularly those along the [redacted] edge of the site) encountered substantially rocky soils. Also, a few of the STPs contained two E horizon layers. The Bt horizon was encountered at depths of 0.5 to 1.5 ft (most typically between 0.9–1.2 ftbs).

Artifacts were recovered from the A (*n*=376), E (*n*=641), and B (*n*=1) horizons in STPs across the [redacted]. STPs produced from one to 169 artifacts, although almost two-thirds of the STPs yielded less than 10 artifacts each. All but one of the five higher density STPs (*n*=28–169) were located in the [redacted] portion, and as observed at some of the other nearby sites, although artifacts were found [redacted], the higher density STPs were concentrated [redacted].

Figure 8.1. View of northern portion of site 44FX0379, facing north.

Figure 8.2. View of northern portion of site 44FX0379, facing west.

Figure 8.3. View of southern portion of site 44FX0379, facing east.

Figure 8.4. View of log pile on southern portion of site 44FX0379, facing southeast.

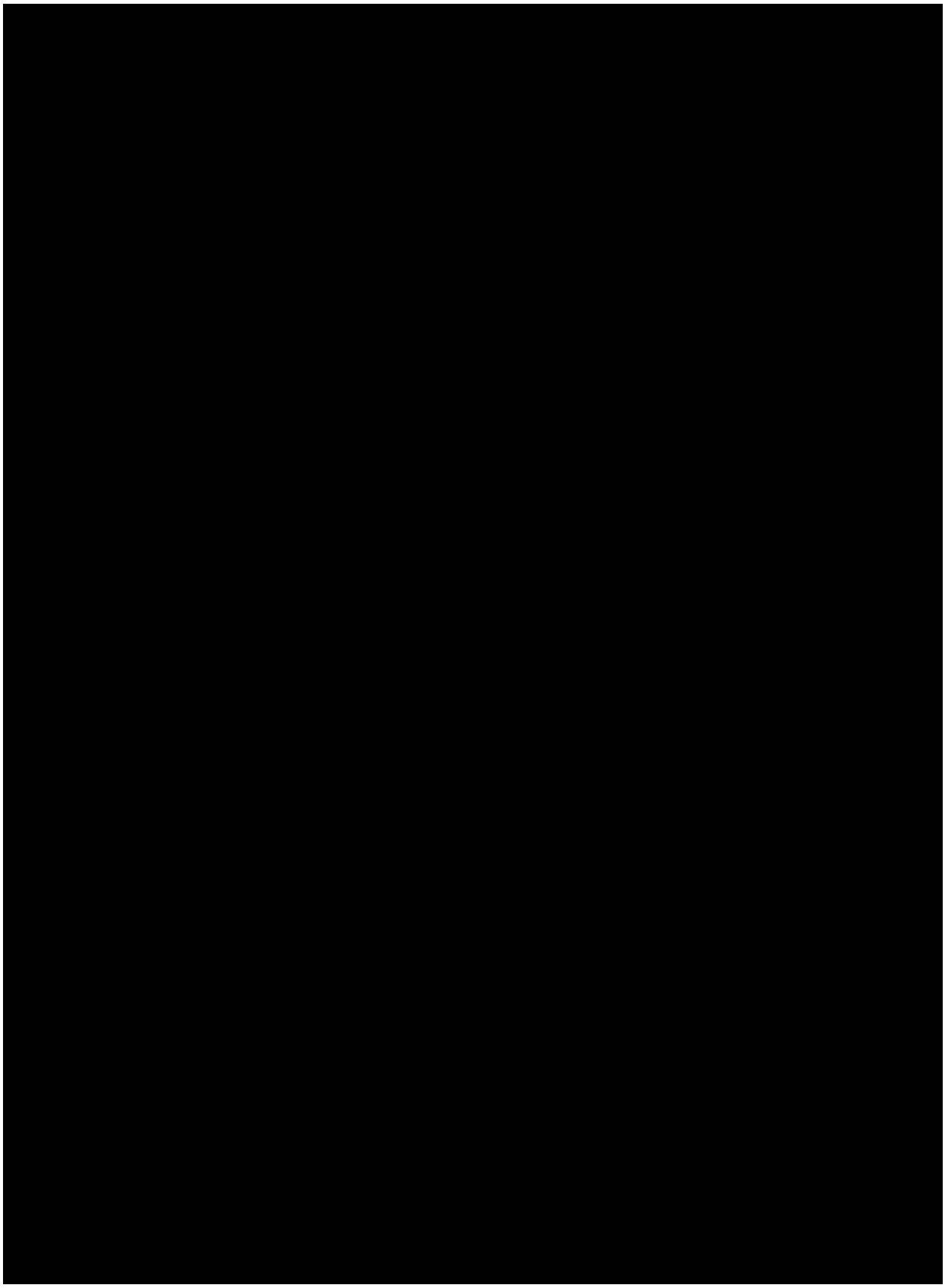

Figure 8.5. Plan map of site 44FX0379.

Figure 8.6. View of typical STP profile at site 44FX0379.

The STPs generated 1,019 lithic artifacts (including totals of 661 [redacted] of the Parkway and 358 [redacted] of that road) and one historic period (likely modern) artifact—a piece of window glass found in an STP [redacted] of the road. The STP lithic assemblage includes one quartz Lamoka PPK, one rhyolite Clagett PPK, one quartz Small Savannah River PPK, three quartz late stage bifaces, three quartz mid-stage bifaces, one quartz early stage biface, three quartz unclassified biface fragments, one quartz graver, seven cores (six quartz and one quartzite), 992 pieces of unmodified debitage (938 quartz, 34 quartzite, 18 rhyolite, one chert, and one unidentified material), four pieces of FCR, and two unmodified quartzite cobbles.

An additional 227 lithic artifacts were collected from the surface in eroded areas (138 in the [redacted] portion, 89 in the [redacted] portion). Temporally diagnostic artifacts collected from the surface include a Lamoka PPK from the [redacted] portion and two Lamoka, one Small Savannah River, and one Susquehanna Broadspear PPKs from the [redacted] portion. Other surface artifacts include 16 bifaces (one early stage, six mid-stage, seven late stage, and two unidentified), one graver, four cores, 200 pieces of debitage, and one unmodified (possibly heat exposed) cobble.

Test Units

Seven 3 × 3 ft TUs (16–21 and 23) were excavated during the Phase II evaluation of site 44FX0379—four (16–18 and 23) in the [redacted] portion and three (19–21) in the [redacted] portion. These were placed at locations that produced higher densities of lithic artifacts or lithic tools.

Test Units 16 and 23. TUs 16 and 23 were placed adjacent to each other at N1306 E1002 with the long axis oriented east-west (see Figure 8.5). TUs 16 and 23 encountered the typical A/E/Bt horizon soil sequence (Figure 8.7). The organic A horizon (0.15–0.25 ft thick) was dark brown (10YR 3/3) silt loam and overlay a very pale brown (10YR 7/4) silt loam E horizon. The E horizon at this location extended 0.65 to 0.75 ft to the top of the strong brown (7.5YR 5/6) silty clay Bt horizon, which contained some degraded schist.

Figure 8.7. View of south wall profile of TUs 16 and 23 at site 44FX0379.

TU 16 generated 76 artifacts, including a quartzite Lamoka PPK, two quartz late stage bifaces, a quartz utilized flake, a quartz retouched flake, and 71 pieces (70 quartz, one chert) of unmodified debitage. Adjacent TU 23 generated only 17 artifacts, including a quartz early stage biface fragment, 14 pieces of debitage (11 quartz, three quartzite), and two FCR. Nearly all of the artifacts were found in the first two levels, i.e., in the A and upper E horizon, and no artifacts were found in the Bt horizon.

Test Unit 17. TU 17 was placed at N1252 E1056 near an STP that had produced 37 lithic artifacts, including an early stage quartz biface fragment and 36 pieces of quartz debitage (see Figure 8.5). TU 17 contained the typical A and Bt horizons, but two distinct E horizons (Figures 8.8 and 8.9). Stratum I was a thin (up to 0.25 ft thick) A horizon of brown (10YR 4/3) silt loam; Stratum II was an upper E horizon of yellowish brown (10YR 5/6) silt loam; and Stratum III was a lower E horizon of brownish yellow silty clay loam. The lower E horizon extended to about 1.20 ftbs where it overlay a strong brown (7.5YR 5/8) silty clay Bt horizon.

TU 17 produced 266 lithic artifacts, including one each late stage and early stage bifaces (both quartz) and 264 pieces of unmodified debitage (257 quartz, five quartzite, and two rhyolite). A majority of the artifacts from this TU (including both bifaces) were found in the A horizon (n=176), and most of the remainder were found in the upper E horizon (n=83). No artifacts were recovered from the Bt horizon.

Test Unit 18. TU 18 was placed at N1280 E1081 near an STP that had produced 17 lithic artifacts, including a quartz mid-stage biface fragment, a quartz core, and 15 pieces of quartz debitage (see Figure 8.5). The three typical strata were exhibited in the TU (Figures 8.10 and 8.11). The A horizon at this location was 0.20 to 0.25 ft thick and composed of dark brown (10YR 3/3) silt loam. This overlay the E horizon, which was yellowish brown (10YR 5/4) silt loam. The E horizon extended to about 1.0 ftbs where it overlay the light reddish brown (5YR 6/4) silty clay Bt horizon.

Figure 8.8. View of west wall profile of TU 17 at site 44FX0379.

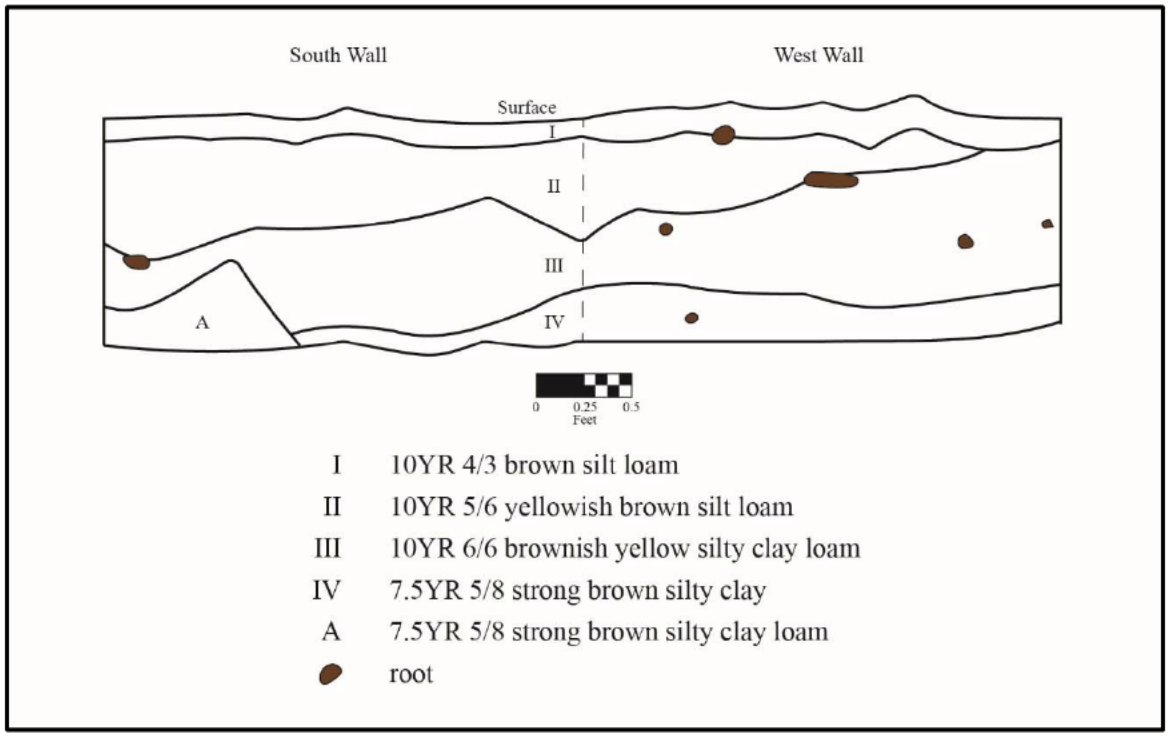

Figure 8.9. Profile drawing of south and west walls of TU 17 at site 44FX0379.

Figure 8.10. View of south wall profile of TU 18 at site 44FX0379.

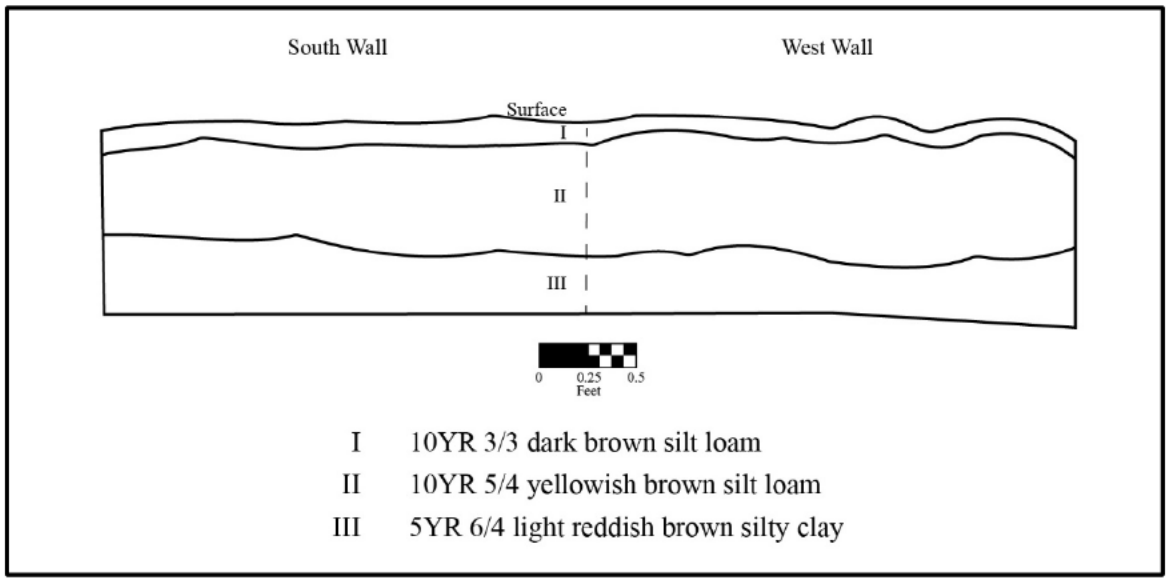

Figure 8.11. Profile drawing of south and west walls of TU 18 at site 44FX0379.

TU 18 produced 36 lithic artifacts, including a quartz biface fragment, a quartz core fragment, and 34 pieces of unmodified debitage (32 quartz, two quartzite). Roughly two-thirds of these were found in the E horizon; another 10 were found in the A horizon; and four small quartz flakes were found at the interface of the E and Bt horizons, but their presence there is attributed to bioturbation, specifically in the form of intrusive modern tree roots.

Test Unit 19. TU 19 was placed at N979 E1998 in the [redacted] portion of the site near an STP that had produced 42 pieces of quartz debitage (see Figure 8.5). Three strata were encountered during the excavation of TU 19 (Figure 8.12). The A horizon was only 0.1 ft thick and was brown (10YR 4/3) silt loam. This graded into the E horizon, which was pale brown (10YR 6/3) silt loam that extended to a depth of 0.60 ftbs, where it overlay the strong brown (7.5YR 4/6) silty clay Bt horizon. An additional level excavated into the Bt horizon encountered increasing amounts of degraded rock.

TU 19 generated 121 lithic artifacts, including a quartz early stage biface and 120 pieces of unmodified debitage (114 quartz, four quartzite, two rhyolite). Most of the artifacts were found in the E horizon (*n*=99), and the remainder were found in the A horizon. No artifacts were recovered from the Bt horizon.

Figure 8.12. View of west wall profile of TU 19 at site 44FX0379.

Test Unit 20. TU 20 was placed at N1022 E1000 in the [redacted] portion of the site near an STP that had produced a Small Savannah River stemmed projectile point and five pieces of quartz debitage (see Figure 8.5). The three typical strata were encountered during the excavation of TU 20 (Figure 8.13). Stratum I was a thin (0.1 to 0.15 ft thick) A horizon of dark grayish brown (10YR 4/2) silt loam. This overlay a yellowish brown (10YR 5/4) silt loam E horizon that extended to about 1.05 ftbs, where it overlay the strong brown (7.5YR 5/6) silty clay Bt horizon. TU 20 generated only 10 pieces of quartz debitage from the E (*n*=7) and A (*n*=3) horizons.

Test Unit 21. TU 21 was placed at N971 E949 (see Figure 8.5). The typical soil sequence was encountered during the excavation of TU 21. The 0.2 ft thick A horizon was dark brown (10YR 3/3) silt loam; the E horizon was light yellowish brown (10YR 6/4) silt loam extending to 0.70 ftbs; and the Bt horizon was brownish yellow (10YR 6/6) silty clay. TU 21 produced 57 pieces of unmodified debitage (56 quartz and one quartzite). Artifacts were almost evenly distributed between the A (*n*=29) and E (*n*=28) horizons.

Figure 8.13. View of south wall profile of TU 20 at site 44FX0379.

Artifacts

Lithic Artifacts. The Phase II lithic assemblage from 44FX0379 consists of 1,829 artifacts, including five Lamoka, one Susquehanna Broadspear, two Small Savannah River, and one Clagett PPKs, two gravers, five early stage bifaces, nine mid-stage bifaces, 13 late stage bifaces, six unclassified biface fragments, one utilized flake, one retouched flake, 12 cores, 1,762 pieces of debitage, six FCR, and three unmodified cobbles. Almost all (95%) of the lithic artifacts are quartz—the remainder are quartzite (*n*=64), rhyolite (*n*=24), chert (*n*=2), and gneiss/schist (*n*=1) (Table 8.1). Quartz accounts for 95.6 percent of the debitage, nearly all (91.7 percent) of the cores, 55.5 percent of finished PPKs, 97 percent of other bifaces, and all of the other four tools or potential tools in the Phase II assemblage. Quartzite accounts for only 2.9 percent of the debitage and 8.3 percent of the cores, but accounts for 33.3 percent of finished PPKs and only 3.0 percent of other bifaces. The single rhyolite PPK accounts for 11.1 percent of the PPK assemblage, compared to 1.3 percent of the debitage assemblage.

The Clagett PPK is made of a light green rhyolite with iron oxide staining, has a small impact fracture, and was found in the [redacted] portion of the site (Figure 8.14f). Four of the Lamoka PPKs are made of quartz, and two each were found in the [redacted] portions of the site (Figures 8.14a–d). The fifth Lamoka PPK is made of quartzite and was found in the [redacted] portion of the site (Figure 8.14e). These are all crudely made, and several have the asymmetrical blade/shoulder configuration typical of that type. The Small Savannah River PPKs were found in the [redacted] portion of the site—one is quartz and one is quartzite (Figure 8.14h). The quartzite specimen has a transverse fracture and the quartz specimen has an impact fracture. They are different in overall morphology but characterize the range in shape recognized for that type. Finally, a fragmentary quartzite PPK resembling the Susquehanna Broadspear type was found on the surface in the [redacted] portion of the site (Figure 8.14g).

Table 8.1. Lithic Artifacts from Site 44FX0379 by Material.

Artifact Type	Quartz	Quartzite	Rhyolite	Other	Total
Tools					
Biface, Early Stage	4	1			**5**
Biface, Late Stage	13				**13**
Biface, Mid Stage	9				**9**
Biface, Unid.	6				**6**
Graver	2				**2**
Retouched Flake, Complete	1				**1**
Utilized Flake, Complete	1				**1**
PPK, Clagett			1		**1**
PPK, Lamoka	4	1			**5**
PPK, Small Savannah River	1	1			**2**
PPK, Susquehanna Broadspear		1			**1**
Tools Subtotal	*41*	*4*	*1*	*0*	***46***
Debitage					
Core, Exhausted	10	1			**11**
Core, Fragment	1				**1**
Flake, Complete	153	9	7		**169**
Flake, Fragment	1,470	41	16	3	**1,530**
Shatter	62	1			**63**
Debitage Subtotal	*1,696*	*52*	*23*	*3*	***1,774***
Other					
Fire Cracked Rock	1	5			**6**
Unmodified Cobble		3			**3**
Other Subtotal	*1*	*8*	*0*	*0*	***9***
Totals	**1,738**	**64**	**24**	**3**	**1,829**

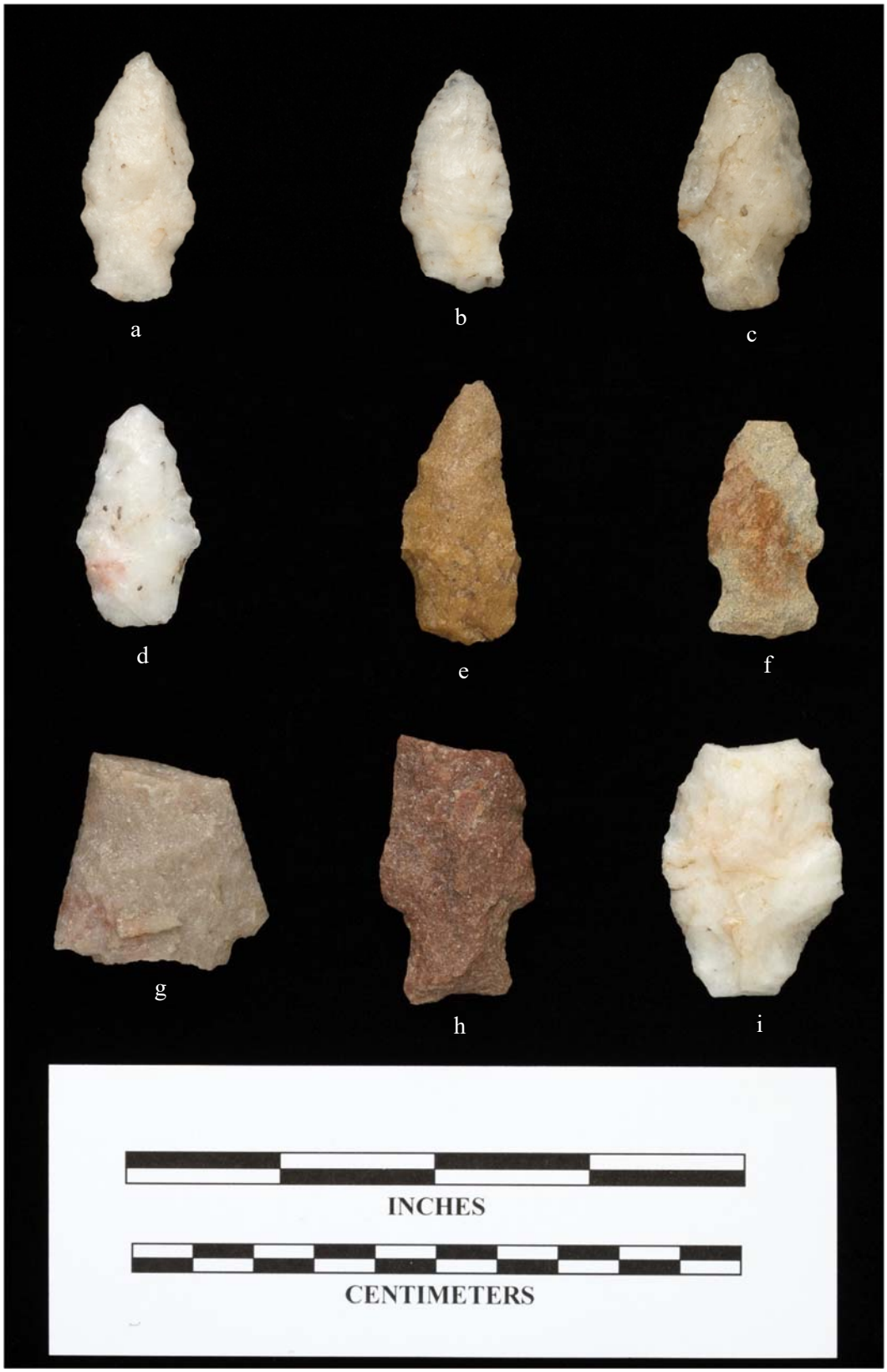

Figure 8.14. Representative PPKs from site 44FX0379. a–d) quartz Lamoka; e) quartzite Lamoka; f) rhyolite Clagett; g) quartzite Susquehanna Broadspear; h) quartzite Small Savannah River; i) quartz Small Savannah River

Thirty-three other bifaces were recovered during the investigation. Five (one quartz, one quartzite, and three quartz) appear to have been abandoned at an early stage of reduction (e.g., Figures 8.15a–c). One complete and eight fragmentary quartz bifaces are classified as mid-stage reduction types (e.g., Figures 8.15d–i). Thirteen fragmentary artifacts made of quartz appear to represent a late stage of reduction (e.g., Figures 8.16a–l). And finally, six quartz biface fragments cannot be further classified. Other chipped stone tools in the assemblage include two quartz gravers, one quartz utilized flake, and one quartz retouched flake.

Debitage from 44FX0379 includes 12 cores, 169 complete flakes, 1,530 flake fragments, and 63 pieces of shatter. The cores include 11 exhausted (amorphous/multidirectional) examples of quartz (*n*=10) or quartzite (*n*=1) and one other fragmentary quartz core (e.g., Figure 8.17). The sample of unmodified debitage is composed of quartz (*n*=1,685), quartzite (*n*=51), rhyolite (*n*=23), chert (*n*=2), and an unidentified light brown material resembling gneiss or schist (*n*=1). Most (97.7%) of the unmodified quartz debitage is noncortical and small in size (0–2 cm=76.8%) (Table 8.2). Excluding shatter (and cores), the mean weight for quartz debitage is 0.46 g. Quartzite debitage is generally larger, with a mean weight of 2.5 g. Rhyolite in the sample includes aphyric (*n*=15), porphyritic (*n*=7), and indeterminate (*n*=1) varieties, all generally dark gray to gray in color and variably weathered. All of the rhyolite is noncortical, but the sample includes a number of flakes that are larger than 2 cm in size and exhibits a mean sample weight of 1.0 g. This suggests that partially finished bifacial or flake blanks (cores) were present for reduction in addition to finished tool forms. Chert found in the sample includes a very small tertiary flake of an opaque or light gray material and a larger primary flake of dark gray material.

Table 8.2. Unmodified Flakes from Site 44FX0379 by Size and Cortex Classes.

Material Type	Cortex Category	<1 cm	1–2 cm	2–3 cm	3–4 cm	4–5 cm	>5 cm	Total
Rhyolite								
	Primary							
	Secondary							
	Tertiary	2	14	3	4			**23**
	Subtotal	*2*	*14*	*3*	*4*	*0*	*0*	***23***
Quartz								
	Primary		2	2				**4**
	Secondary	1	5	8	6	1		**21**
	Tertiary	191	1,048	303	50	6		**1,598**
	Subtotal	*192*	*1,055*	*313*	*56*	*7*	*0*	***1,623***
Quartzite								
	Primary							**0**
	Secondary		3		2	2		**7**
	Tertiary	1	24	11	6		1	**43**
	Subtotal	*1*	*27*	*11*	*8*	*2*	*1*	***50***
Chert								
	Primary			1				**1**
	Secondary							**0**
	Tertiary		1					**1**
	Subtotal	*0*	*1*	*1*	*0*	*0*	0	**2**
Gneiss/Schist?								
	Primary					1		**1**
	Secondary							
	Tertiary							
	Subtotal	*0*	*0*	*0*	*0*	*1*	*0*	***1***
Total								
	Primary	0	2	3	0	1	**0**	**6**
	Secondary	1	8	8	8	3	**0**	**28**
	Tertiary	194	1,087	317	60	6	**1**	**1,665**
	Total	**195**	**1,097**	**328**	**68**	**10**	**1**	**1,699**

Figure 8.15. Representative early stage and mid-stage bifaces from site 44FX0379. a) quartzite early stage biface; b–c) quartz early stage biface; d–i) quartz mid stage biface

Figure 8.16. Representative late stage bifaces from site 44FX0379. a–l) quartz

Figure 8.17. Representative cores from site 44FX0379. a–f) quartz exhausted core

Overall, the tool assemblage is dominated by hafted and unhafted bifacial tools and indicative of biface and projectile point production, refurbishment, and replacement. A few informal flake tools (*n*=4, e.g., gravers, utilized and retouched flakes) suggest that other activities were also carried out at the site on a limited basis.

The assemblage also includes six FCR and three unmodified quartzite cobbles, some of which display evidence of exposure to a heat source.

Historic Artifacts. Only one historic period artifact was recovered during this investigation of site 44FX0379. This is a small colorless window glass fragment that is likely of 20th century to modern origin. Its presence on the site (near the Parkway grade cut) is attributed to isolated discard rather than any local habitation during this time. Other modern artifacts (particularly glass bottles and plastic debris) were observed on the surface throughout the site (particularly near the road) and were not collected.

Artifact Distribution. More than half of the artifacts (53%) were recovered from the E horizon, and most of the remainder were found in the A horizon (35%) (Table 8.3). The more controlled excavations within the TUs demonstrated that the vertical distribution of artifacts in the E horizon is unimodal in character and after a spike in the first level, artifact counts (in all artifact classes) diminish precipitously with depth. There does not appear to be any clear vertical differentiation between artifact deposits associated with any of the components represented at the site, although (as at 44FX0374) this is more difficult to discern considering so many of the temporally diagnostic artifacts were found on the surface (Table 8.4).

Table 8.3. Artifacts from Site 44FX0379 by Horizon.

Artifact Type	Surface	A	E	B	Total
Tools					
Biface, Early Stage	1	1	3		**5**
Biface, Late Stage	7	1	5		**13**
Biface, Mid Stage	6	1	2		**9**
Biface, Unid.	2	2	2		**6**
Graver	1	1			**2**
Retouched Flake, Complete		1			**1**
Utilized Flake, Complete			1		**1**
PPK, Clagett			1		**1**
PPK, Lamoka	3	1	1		**5**
PPK, Small Savannah River	1	1			**2**
PPK, Susquehanna Broadspear	1				**1**
Tools Subtotal	*22*	*9*	*15*	*0*	***46***
Debitage					
Core, Exhausted	4	2	5		**11**
Core, Fragment		1			**1**
Flake, Complete	23	46	99	1	**169**
Flake, Fragment	171	551	804	4	**1,530**
Shatter	8	21	34		**63**
Debitage Subtotal	*206*	*621*	*942*	*5*	***1,774***
Other					
Unmodified Cobble	1	1	1		**3**
Fire Cracked Rock		4	2		**6**
Window Glass			1		**1**
Other Subtotal	*1*	*5*	*4*	*0*	***10***
Totals	**229**	**635**	**961**	**5**	**1,830**

Table 8.4. Temporally Diagnostic Artifacts from Site 44FX0379 by Horizon.

Artifact Type	Surface	A	E	Total
Lithics				
PPK, Lamoka	3	1	1	**5**
PPK, Susquehanna Broadspear	1			**1**
PPK, Small Savannah River	1	1		**2**
PPK, Clagett			1	**1**
Tools Subtotal	*5*	*2*	*2*	***9***
Totals	**5**	**2**	**2**	**9**

In general, artifacts were found the entire length of the site, [redacted] Only Lamoka PPKs were found in the [redacted] part of the site, although two Lamoka PPKs were also found in the [redacted] part of the site (Figure 8.18). With the exception of the Broadspear PPK, the PPKs in the [redacted] part of the site were all found within a relatively confined area [redacted] The retouched and utilized flakes were found in the same TU that produced one of the Lamoka PPKs [redacted] of the Parkway. Most of the cores were found in the [redacted] portion of the site, [redacted]. Several clusters of bifaces were located in roughly the same parts of the [redacted] portion, but there are also several concentrations in the [redacted] portion that appear to correspond to higher density debitage areas as well as the area of concentration for the PPKs. A number of debitage concentration areas are apparent, most tied to concentrations of other artifacts types.

SUMMARY AND RECOMMENDATIONS

The Phase II investigation of site 44FX0379 involved the excavation of 295 STPs and seven TUs resulting in the recovery of a total of one historic and 1,829 prehistoric lithic artifacts. The lithic assemblage (all tool and debitage classes) is dominated by quartz, which was presumably acquired from a nearby source or sources and is characterized by a relatively low diversity of artifact types. In general, the artifact assemblage reflects foraging-related activities, particularly stone tool production and replacement. The moderate to high density and fairly dispersed nature of the deposits suggest that there were multiple and possibly numerous visits and it is likely that those were still relatively short term. Temporally diagnostic artifacts indicate visits to the site during the Late Archaic and Early Woodland periods. There is no clear indication of vertically discrete deposits by time period, although there is some potential for horizontally discrete activity areas and there are several apparent substantial concentrations of artifacts.

In summary, there is some potential for the delineation of horizontally discrete activity areas that may be associated with particular time periods and for the presence of cultural features (lithic reduction areas). Site 44FX0379 has the potential to provide important information concerning local or regional prehistoric period occupations and is recommended eligible for the NRHP under Criterion D as a contributing resource to the Dead Run Ridges Archaeological District. Additional archaeological investigation or avoidance is recommended. Much of the site has been affected at least superficially by erosion likely caused by past logging, and ideally any further investigation of the site would be focused on the [redacted].

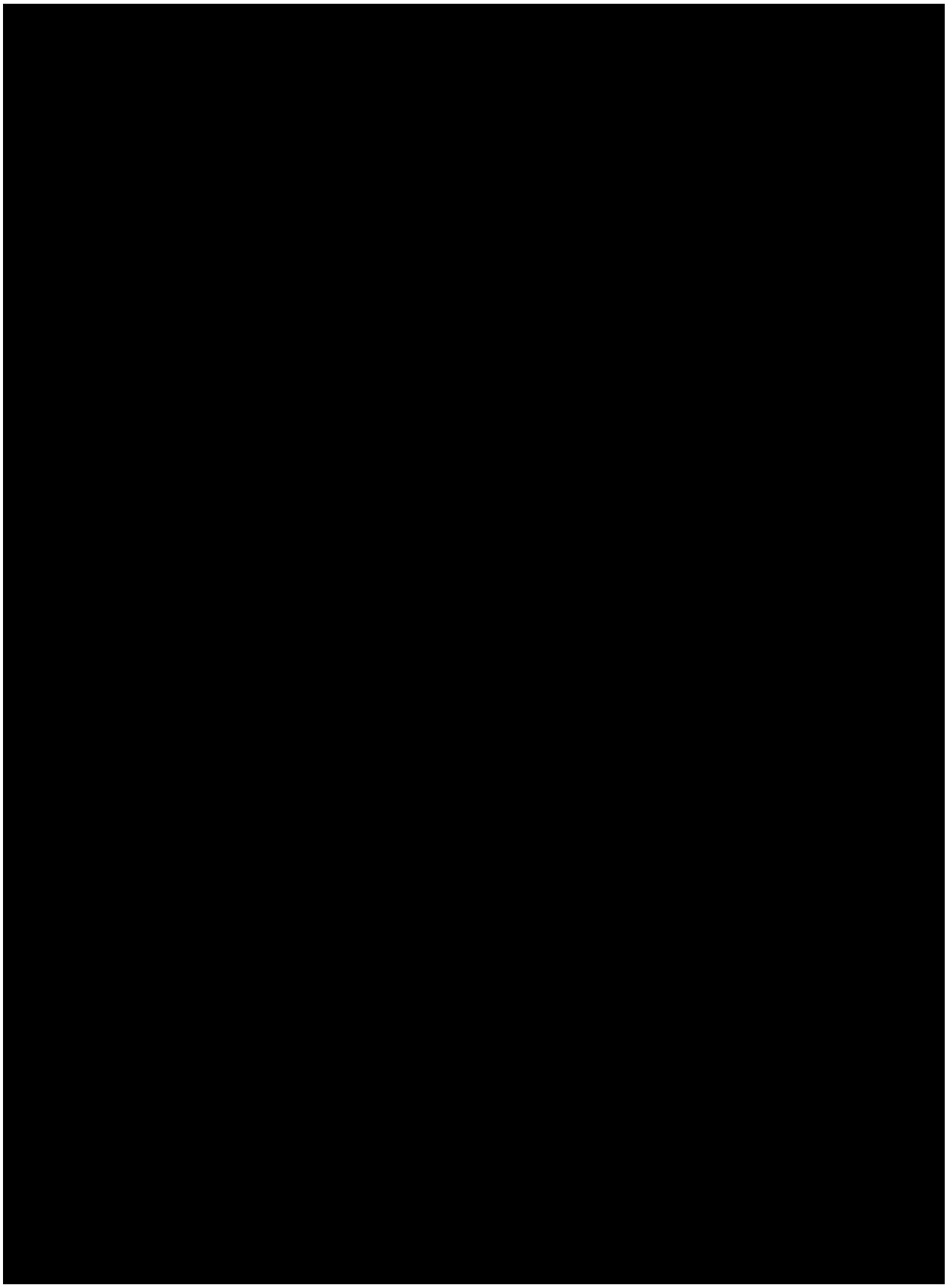

Figure 8.18. PPK density map for site 44FX0379.

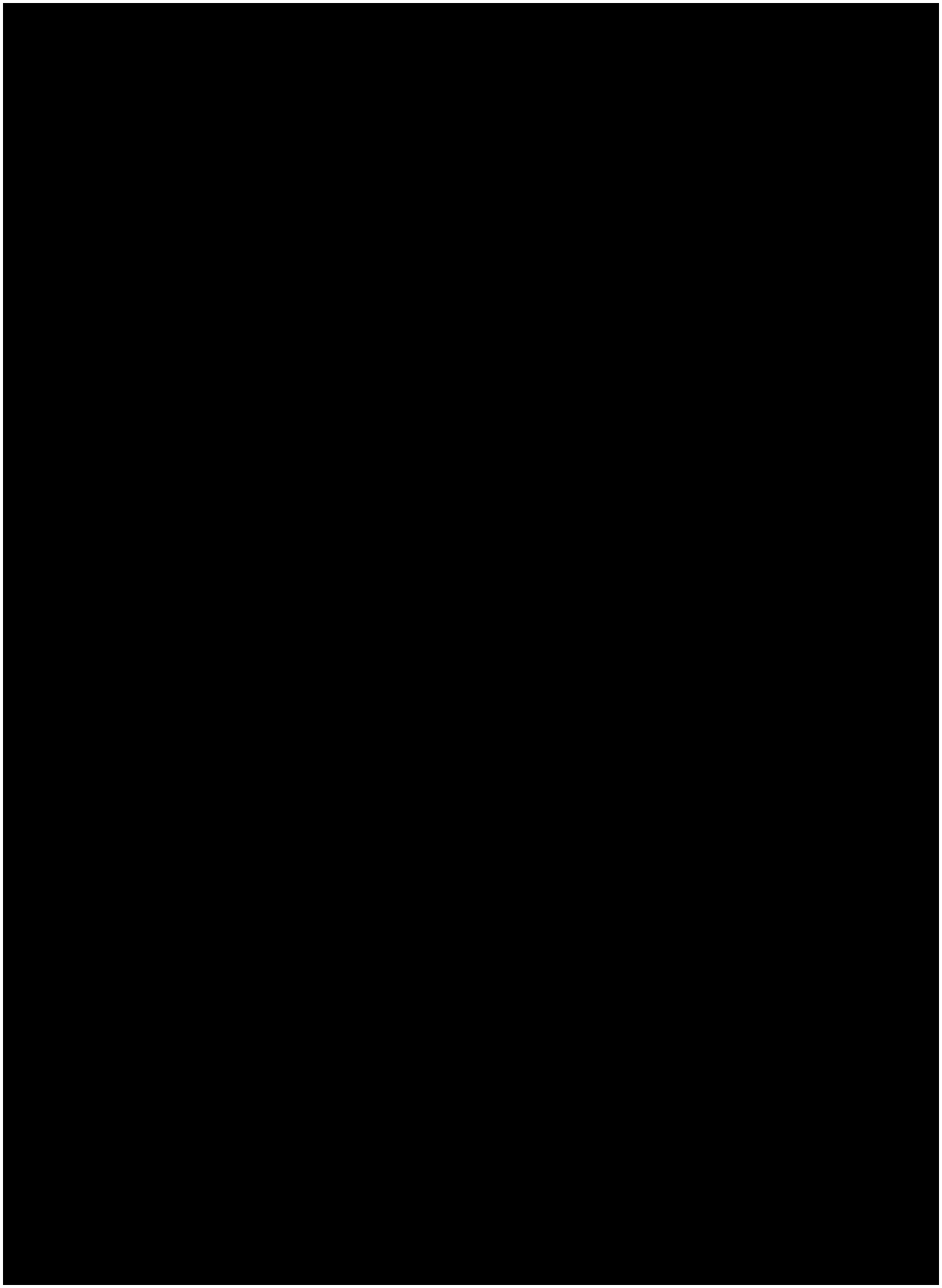

Figure 8.19. Biface density map for site 44FX0379.

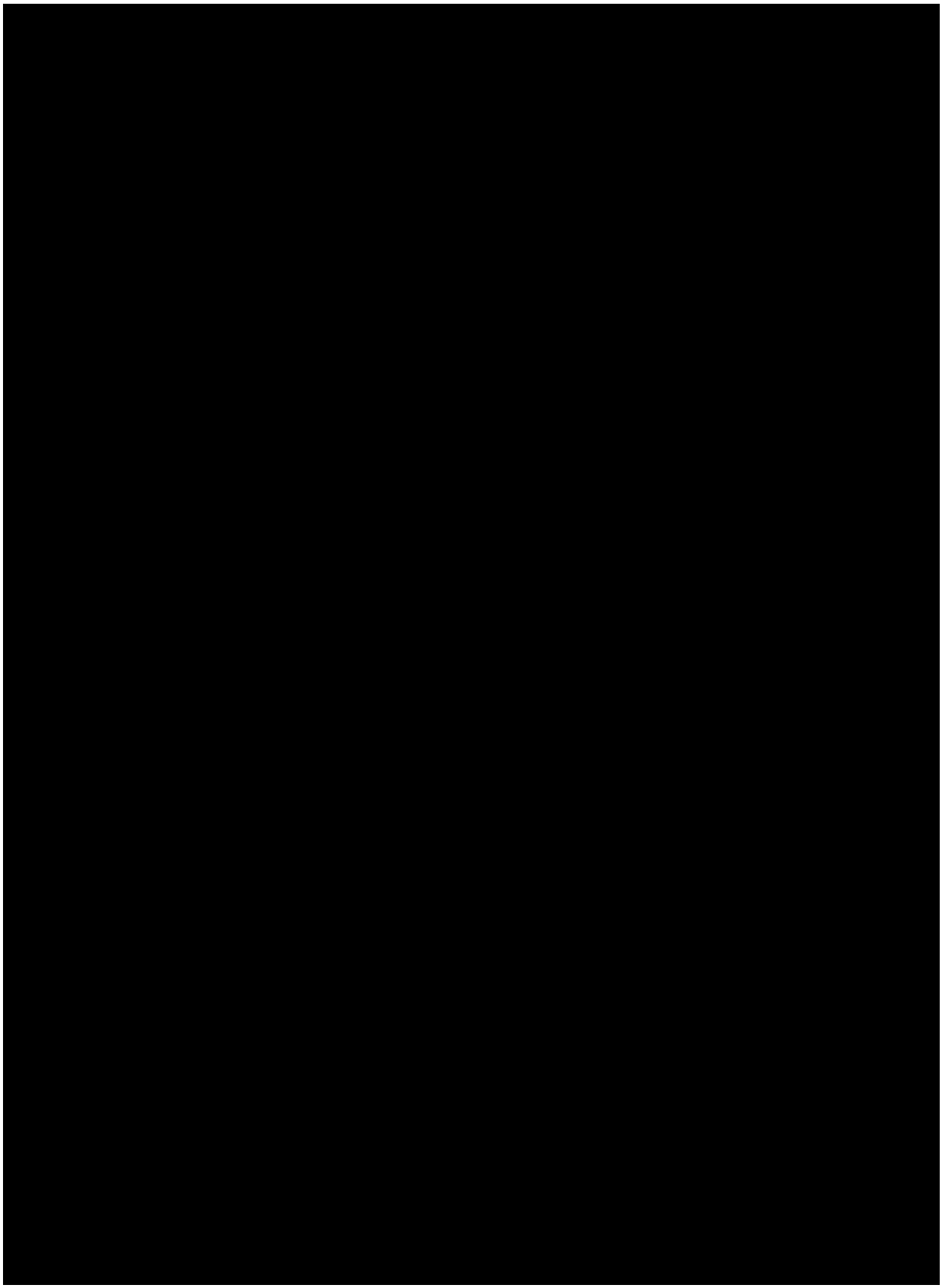

Figure 8.20. Unifacial tool density map for site 44FX0379.

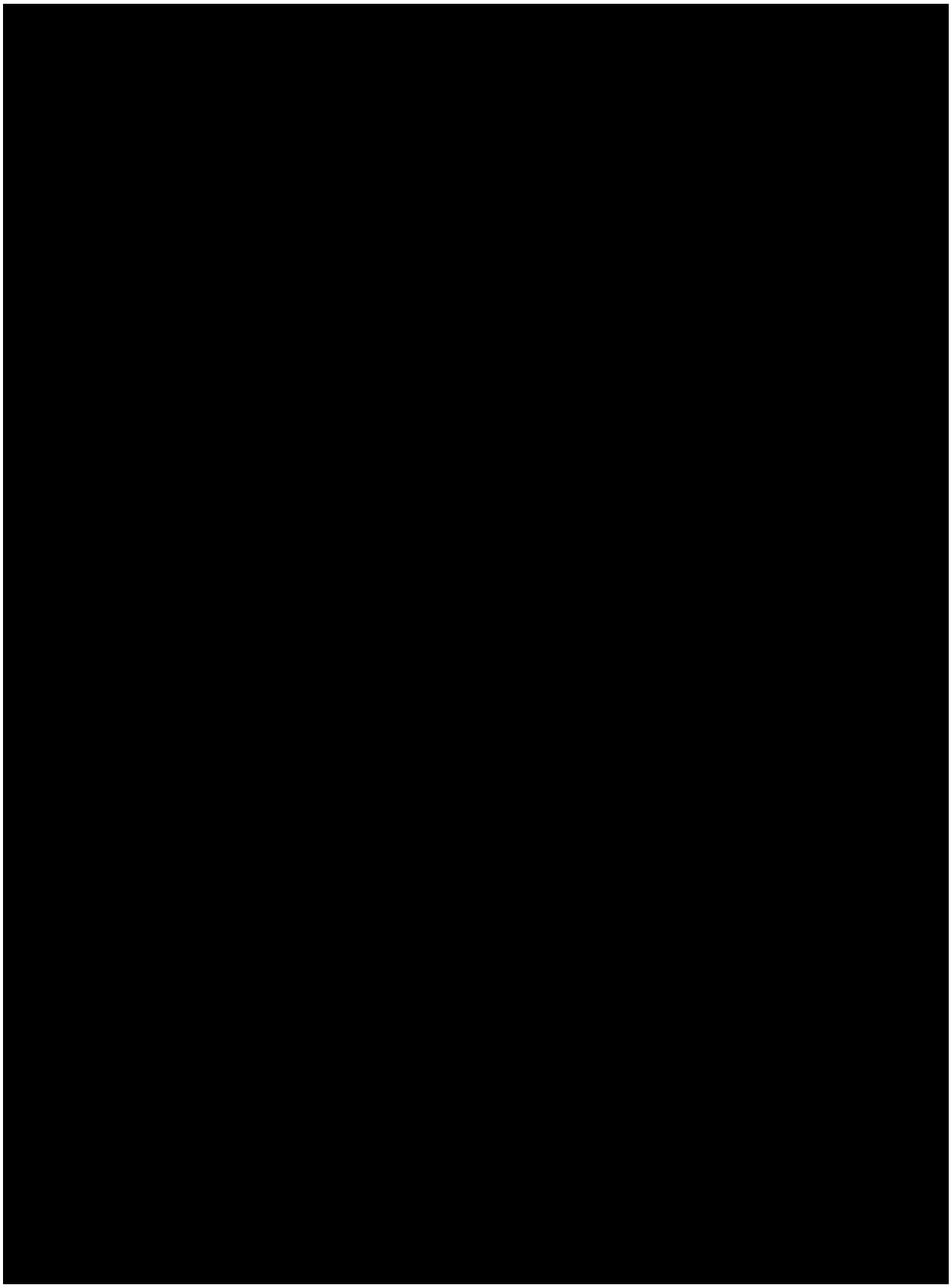

Figure 8.21. Core density map for site 44FX0379.

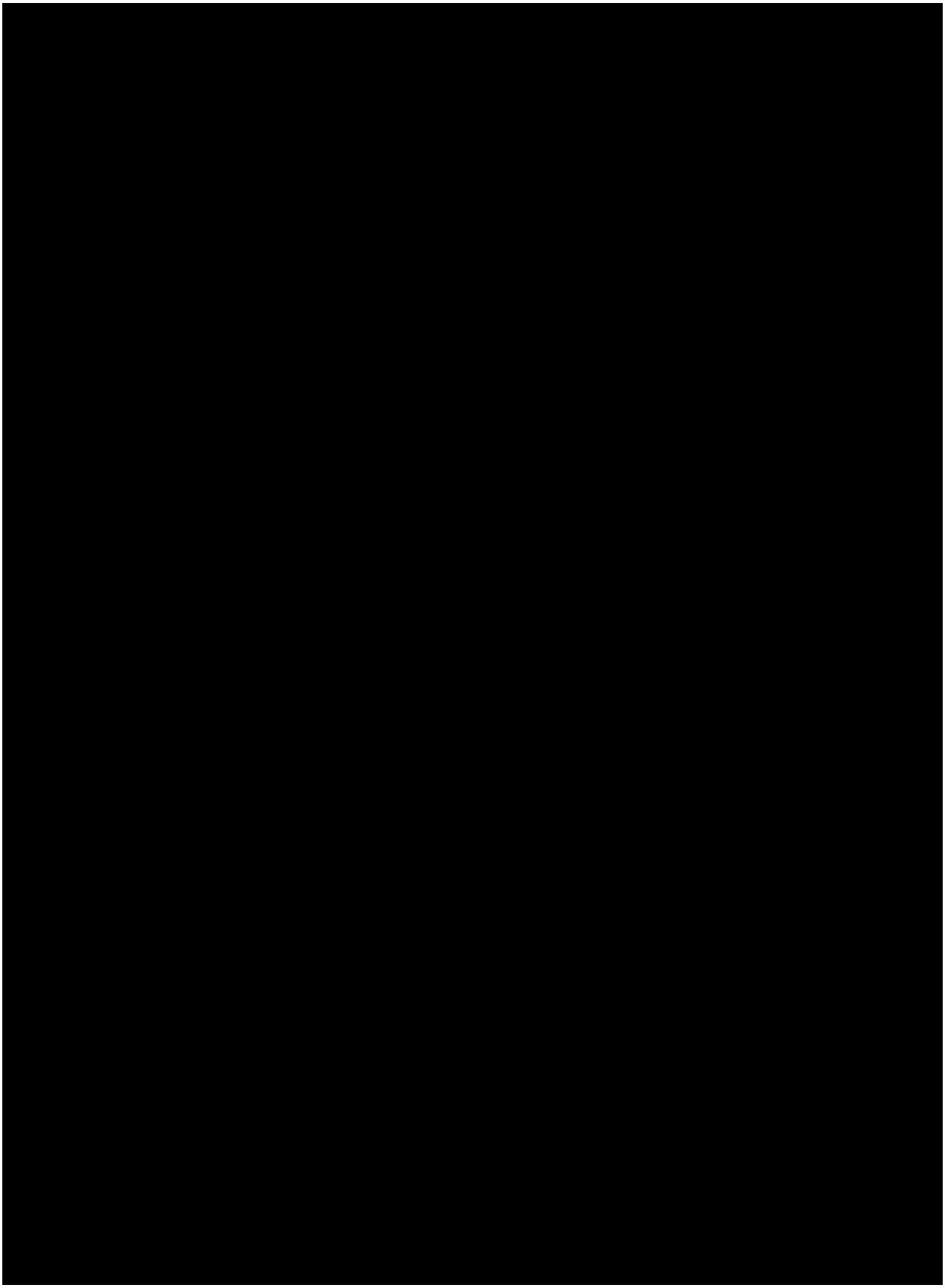

Figure 8.22. Debitage density map for site 44FX0379.

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9. RESULTS OF PHASE II EVALUATION OF SITE 44FX0381

SUMMARY OF PHASE I SURVEY

Site 44FX0381 was identified during a 1980 reconnaissance survey of the Fairfax County section of the Park (Johnson 1981). Nine STPs excavated during that investigation produced five artifacts, including a quartz side notched projectile point (the formal type is not specified on the site form) and four pieces of quartz debitage. The site appears to have been revisited in 2006 by EAC, but no artifacts were encountered during that investigation (which resulted in the discovery of adjacent site 44FX3160) (Dongarra and Harris 2006:46, 52). Five STPs were subsequently excavated at the site during a later investigation by Raszick and Bedell (2018:42). These tests encountered an A/E/B soil horizon sequence consisting of a 0.2 to 0.3 ft thick dark grayish brown silt loam A horizon that overlay a 0.3 to 0.5 ft thick yellowish brown E horizon. The underlying B horizon subsoil was strong brown silty clay loam (Raszick and Bedell 2018:42). Three of the five STPs excavated during that visit produced 12 pieces of noncortical lithic debitage (10 quartz and two quartzite).

SITE SETTING

Site 44FX0381 is situated [redacted] side of the Parkway (see Figures 1.2 and 1.3). [redacted] Forest vegetation is typical of that encountered at the other sites, with a low to moderate understory of secondary growth (Figures 9.1 and 9.2). Soils on the site are mapped primarily as Glenelg silt loam (7–25% slopes), which is residuum weathered from mica schist or phyllite (USDA NRCS 2019). The site is bounded to the south [redacted] (STPs excavated as part of the adjacent survey encountered dense fill and disturbed sequences along the shoulders of that road, and a heavily eroded gully parallels the berm in that area); by slope, a deep road cut, and negative STPs to the north; by a combination of slope and negative STPs to the east; and by slope and the road cut to the west. The road cut [redacted] was not built at the time that the roads for the planned housing development were constructed and is narrower (about 10 feet) in width but is still cut into the terrain. The boundary of the site was slightly expanded to the [redacted] during the Phase II investigation (see Figure 1.3). [redacted]

PHASE II EVALUATION

Shovel Tests

In total, 104 STPs were excavated across the site at 25-ft intervals during the Phase II investigation, and less than a quarter of these (n=24) generated a total of 75 prehistoric artifacts (Figure 9.3). These include a Madison PPK, a drill, five bifaces, a retouched flake, a core, and 59 pieces of debitage. In addition, a Madison PPK, a hammerstone, a groundstone tool, and four pieces of debitage were recovered from the surface. Artifacts were recovered from the A (n=50), E (n=8), and B (n=10) horizons in STPs across the [redacted] but primarily along the surrounding slope. STPs produced from one to 22 artifacts each, although most (88%) of the STPs yielded less than five artifacts each. The single higher density STP (n=22) was located in the [redacted] portion of the site. Most STPs encountered similar soils (varying mainly in the thickness of the E horizon) across the site, which consisted of an A/E/Bt horizon sequence (Figure 9.4).

Figure 9.1. View of site 44FX0381, facing north.

Figure 9.2. View of old road cut at site 44FX0381, facing south.

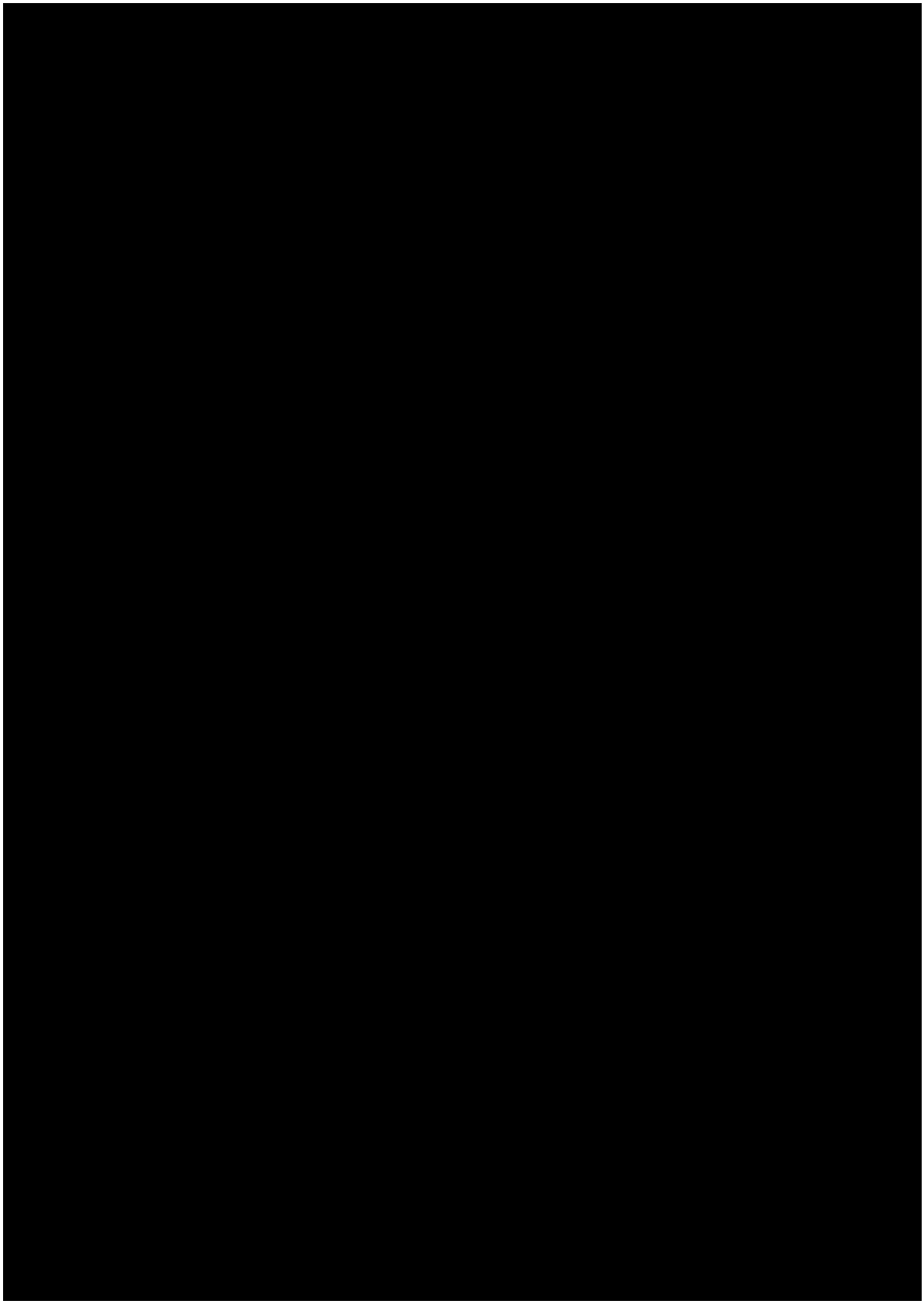

Figure 9.3. Plan map of site 44FX0381.

Figure 9.4. View of typical STP profile at site 44FX0381.

Test Units

Two 3 × 3 ft TUs (4 and 5) were excavated during the Phase II investigation of site 44FX0381.

Test Unit 4. This unit was placed at N3075.50 E2922 (see Figure 9.3). The A horizon (0–0.25 ftbs) was brown (10YR 4/3) silt loam and was underlain by an E horizon (0.25–1.0 ftbs) of light yellowish brown (10YR 6/4) silty clay loam (Figures 9.5 and 9.6). The underlying Bt horizon (1.0–1.25 ftbs) was strong brown (7.5YR 5/6) silty clay. Test Unit 4 produced 65 pieces of unmodified debitage, 28 from the A horizon and 37 from the E horizon. Six are quartzite and 59 are quartz.

Test Unit 5. This unit was placed at N3027 E3100 (see Figure 9.3). The A horizon (0–0.25 ftbs) was brown (10YR 5/3) silt loam and was underlain by an E horizon (0.25–1.50 ftbs) of pale brown (10YR 6/3) silt loam (Figure 9.7). The underlying B horizon (1.50–1.75 ftbs) was strong brown (7.5YR 4/6) silty clay loam. Test Unit 5 produced a total of 23 artifacts, five from the A horizon and 18 from the E horizon. These include one quartz Madison PPK, one quartz core, 18 pieces of quartz debitage, and three quartzite flakes.

Figure 9.5. View of east wall profile of TU 4 at site 44FX0381.

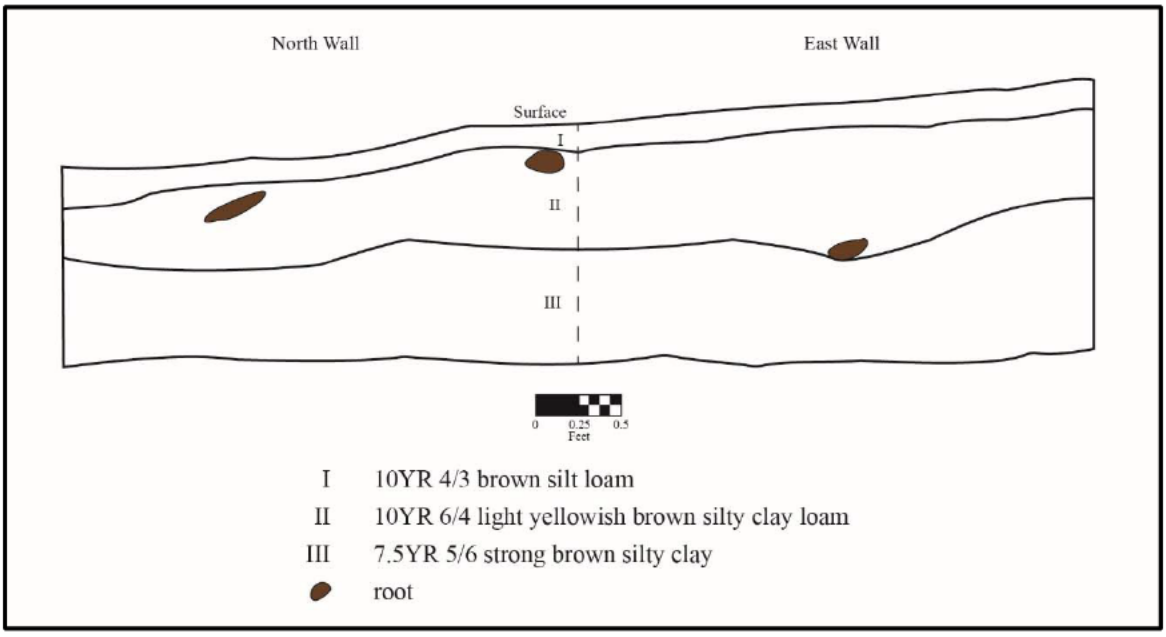

Figure 9.6. Profile drawing of north and east walls of TU 4 at site 44FX0381.

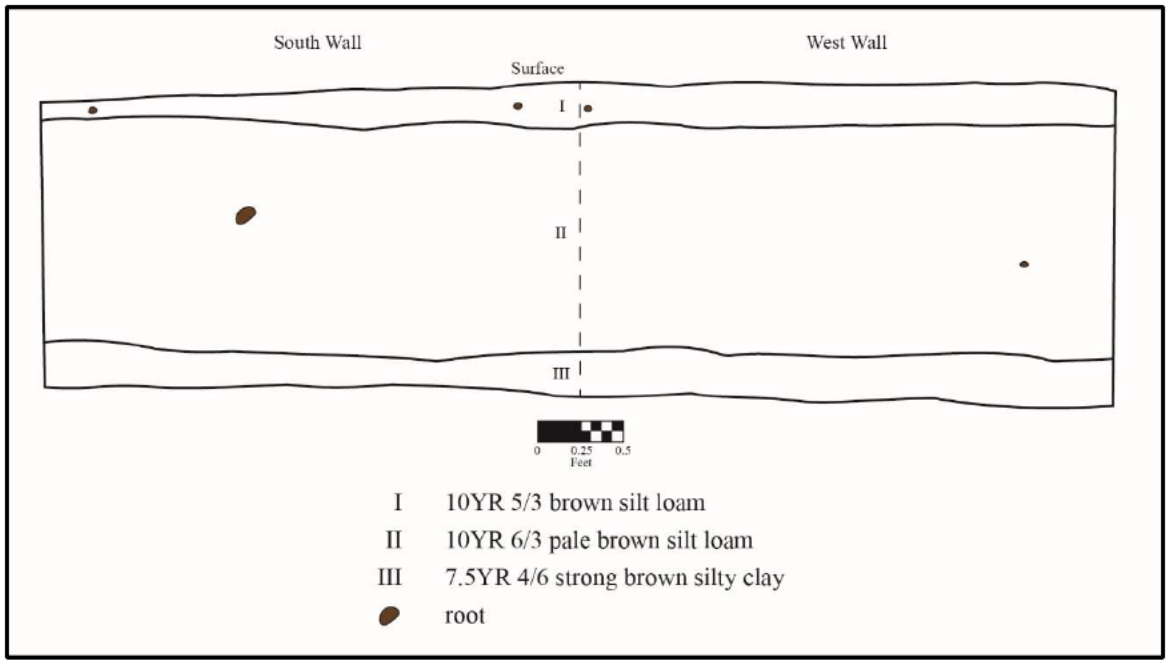

Figure 9.7. Profile drawing of south and west walls of TU 5 at site 44FX0381.

Artifacts

Lithic Artifacts. The II assemblage from 44FX0381 consists of 163 lithic artifacts, including three Madison PPKs, a drill, five bifaces, one retouched flake, two cores, 149 pieces of debitage, one hammerstone, and one possible groundstone tool. The three Madison PPKs are all quartz and only one is complete (Figures 9.8a–c). The drill is missing the distal portion and is crudely constructed on a very soft argillite material (Figure 9.8d). The bifaces include two early stage, one mid-stage, and two late stage specimens (e.g., Figures 9.9). Almost all (90%) of the lithic artifacts are quartz—the remainder are quartzite (n=16) and argillite (n=1) (Table 9.1). Almost all of the flakes (96%) are noncortical, with only two displaying some cortex, and only one displaying more than 50 percent cortex (Table 9.2). As observed at the other sites, a majority of the debitage (85%) is small (0–3 cm), and only 12 of the flakes are larger than 3 cm in size. Two possible groundstone tools were found on the surface. One is a hammerstone that is a complete quartzite cobble with some light pitting on one end and some evidence of exposure to heat (Figure 9.10a). The other is a broken quartzite cobble that also has some evidence of exposure to heat (Figure 9.10b). One surface of this cobble is well smoothed and flat and it may be part of a mano.

Artifact Distribution. Vertically, more artifacts were recovered from the A horizon/surface (n=83), which produced all but three of the tools and just over half of the debitage (Table 9.3). One Madison PPK, three cores, and over one-third of the pieces of debitage were found in the E horizon, and two bifaces and eight pieces of debitage were found in the B horizon. Temporally diagnostic artifacts dating to the Late Archaic period were found in the A and E horizons (Table 9.4).

Horizontally, some potential very limited activity areas may be suggested by the distribution of the PPKs, bifaces, and cores, although these are still characterized by very low-density deposits (Figures 9.11, 9.12, and 9.14). These are located in the two areas containing the TUs, one in the [redacted] portion of the site and one in the [redacted] portion. A somewhat corresponding higher density area of debitage is located in the [redacted] portion of the site, but the remainder of the debitage is more broadly distributed and may represent numerous other very small limited activity areas (Figure 9.15). The one retouched flake was found at the [redacted] edge of the site (Figure 9.13).

Figure 9.8. Representative tools from site 44FX0381. a–c) quartz Madison; d) argillite drill

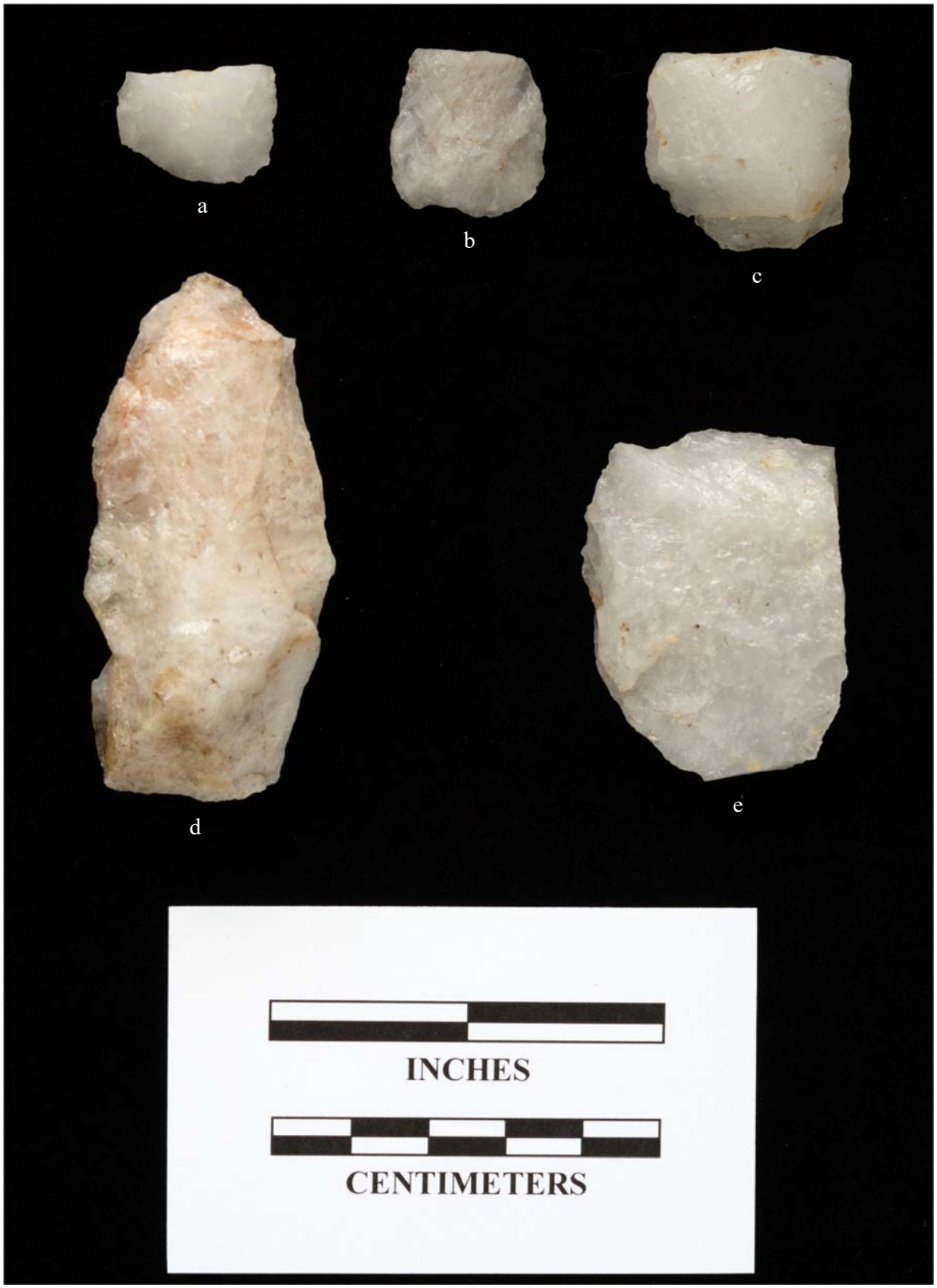

Figure 9.9. Representative bifaces from site 44FX0381. a–b) quartz late stage; c) quartz mid stage; d–e) quartz early stage biface.

Figure 9.10. Representative groundstone tools from site 44FX0381. a) quartzite hammerstone; b) quartzite groundstone tool

Table 9.1. Lithic Artifacts from Site 44FX0381 by Material.

Artifact Type	Quartz	Quartzite	Argillite	Total
Tools				
Groundstone Tool		1		**1**
Hammerstone		1		**1**
Biface, Drill			1	**1**
Biface, Early Stage	2			**2**
Biface, Mid Stage	1			**1**
Biface, Late Stage	2			**2**
PPK, Madison	3			**3**
Retouched Flake, Complete	1			**1**
Tools Subtotal	*9*	*2*	*1*	***12***
Debitage				
Core, Exhausted	2			**2**
Flake, Complete	1	1		**2**
Flake, Fragment	67	11		**78**
Shatter	67			**67**
Bipolar Flake, Fragment		2		**2**
Debitage Subtotal	*137*	*14*		***151***
Totals	**146**	**16**	**1**	**163**

Table 9.2. Unmodified Flakes from Site 44FX0381 by Size and Cortex Classes.

Material Type	Cortex Category	<1 cm	1–2 cm	2–3 cm	3–4 cm	4–5 cm	>5 cm	Total
Quartz								
	Primary							
	Secondary			1				**1**
	Tertiary	6	41	12	5	2	1	**67**
	Subtotal	*6*	*41*	*13*	*5*	*2*	*1*	***68***
Quartzite								
	Primary					2		**2**
	Secondary							
	Tertiary	1	3	4	1	1		**10**
	Subtotal	*1*	*3*	*4*	*1*	*3*	*0*	***12***
Total								
	Primary					2		**2**
	Secondary			1		0		**1**
	Tertiary	7	44	16	6	3	1	**77**
	Total	**7**	**44**	**17**	**6**	**5**	**1**	**80**

Table 9.3. Artifacts from Site 44FX0381 by Horizon.

Artifact Type	Surface	A	E	B	Total
Tools					
Groundstone	1				**1**
Hammerstone	1				**1**
Biface, Drill		1			**1**
Biface, Early Stage		1		1	**2**
Biface, Mid Stage		1			**1**
Biface, Late Stage		1		1	**2**
PPK, Madison	1	1	1		**3**
Retouched Flake, Complete		1			***1***
Tools Subtotal	*3*	*6*	*1*	*2*	***12***
Debitage					
Core, Exhausted		1	1		**2**
Bipolar Flake, Fragment			2		**2**
Flake, Complete		2			**2**
Flake, Fragment	3	37	34	4	**78**
Shatter	1	37	25	4	**67**
Debitage Subtotal	*4*	*77*	*62*	*8*	***151***
Totals	**7**	**83**	**63**	**10**	**163**

Table 9.4. Temporally Diagnostic Artifacts from Site 44FX0381 by Horizon.

Artifact Type	Surface	A	E	Total
Lithics				
PPK, Madison	1	1	1	**3**
Totals	**1**	**1**	**1**	**3**

SUMMARY AND RECOMMENDATIONS

The Phase II investigation of site 44FX0381 involved the excavation of 104 STPs and two TUs resulting in the recovery of a total of 163 lithic artifacts. The assemblage diversity is higher than the other sites investigated during this study with the inclusion of a drill, a hammerstone, and possibly a mano, but the low density of the assemblage suggests that visits to the site involved a similar limited set of activities. The low density and the relatively dispersed nature of the deposits suggest that there were numerous visits and that those were all very short term. No FCR was recovered. Temporally diagnostic artifacts associated with this site include three Late Woodland period Madison PPKs and a side notched PPK recovered during a previous investigation (although it is not clear where on the site that was found) (Johnson 1981). There is no indication of vertical sorting of material by time period, and most artifacts were found [redacted] There are no apparent substantial concentrations of artifacts and no evidence of cultural features.

In summary, site 44FX0381 contains Late Woodland and possibly Late Archaic deposits, with artifacts representing an unknown but multiple number of site visits during the prehistoric past and likely reflecting general resource extraction activities, particularly stone tool maintenance and production, as well as game hunting. Site 44FX0381 is unlikely to provide any important information concerning local or regional prehistoric occupations and is recommended not eligible for the NRHP under Criterion D.

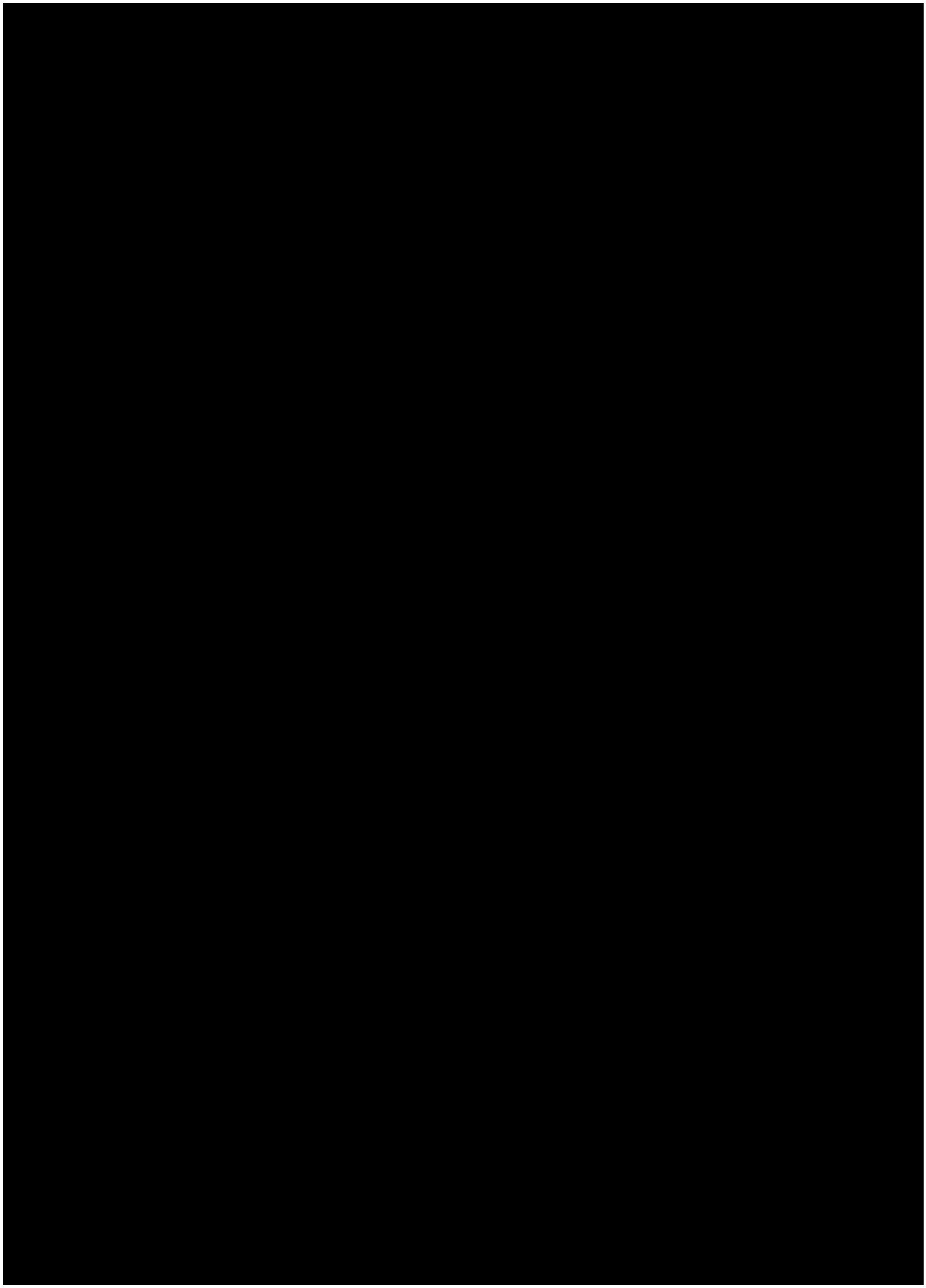

Figure 9.11. PPK density map for site 44FX0381.

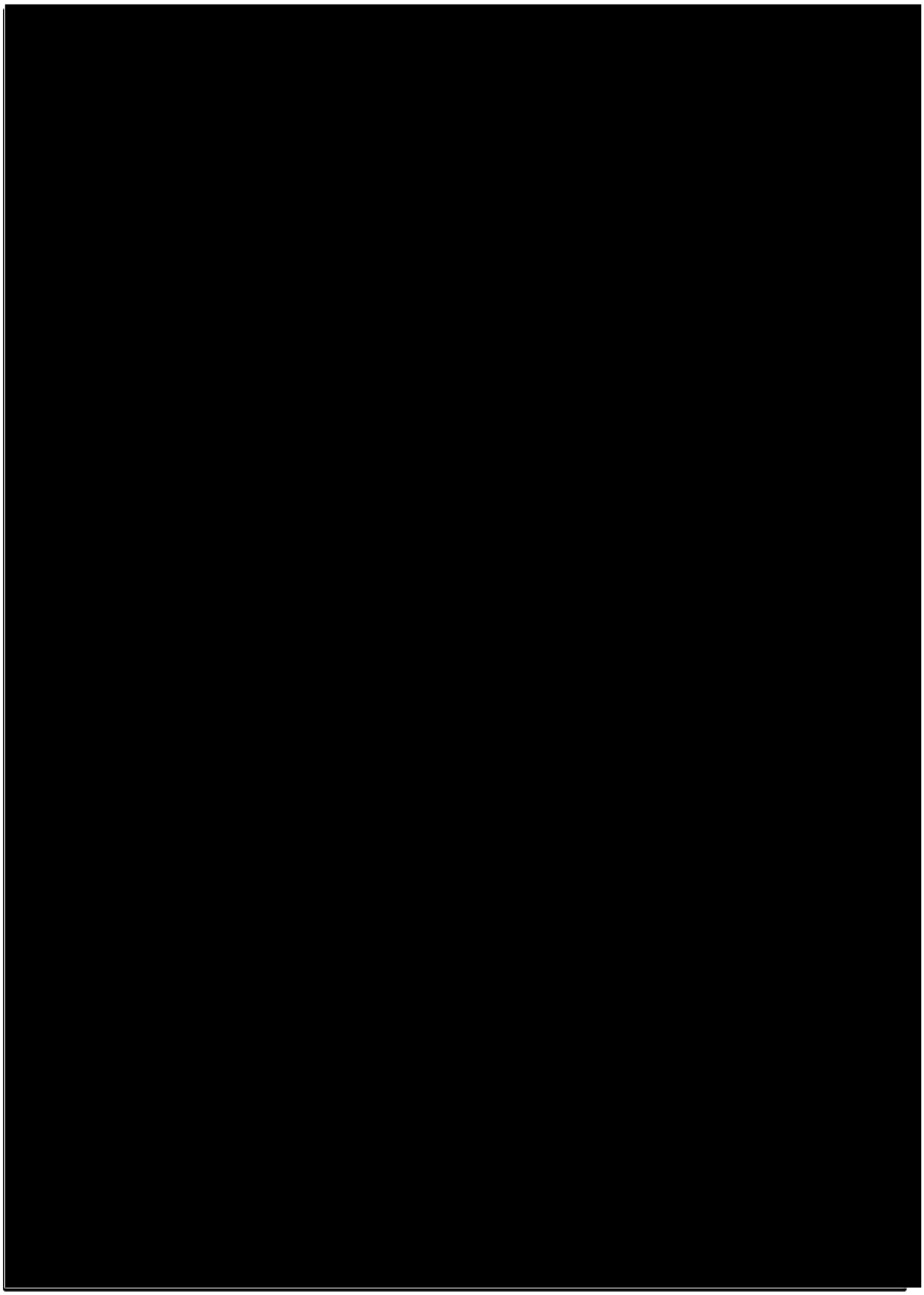

Figure 9.12. Biface density map for site 44FX0381.

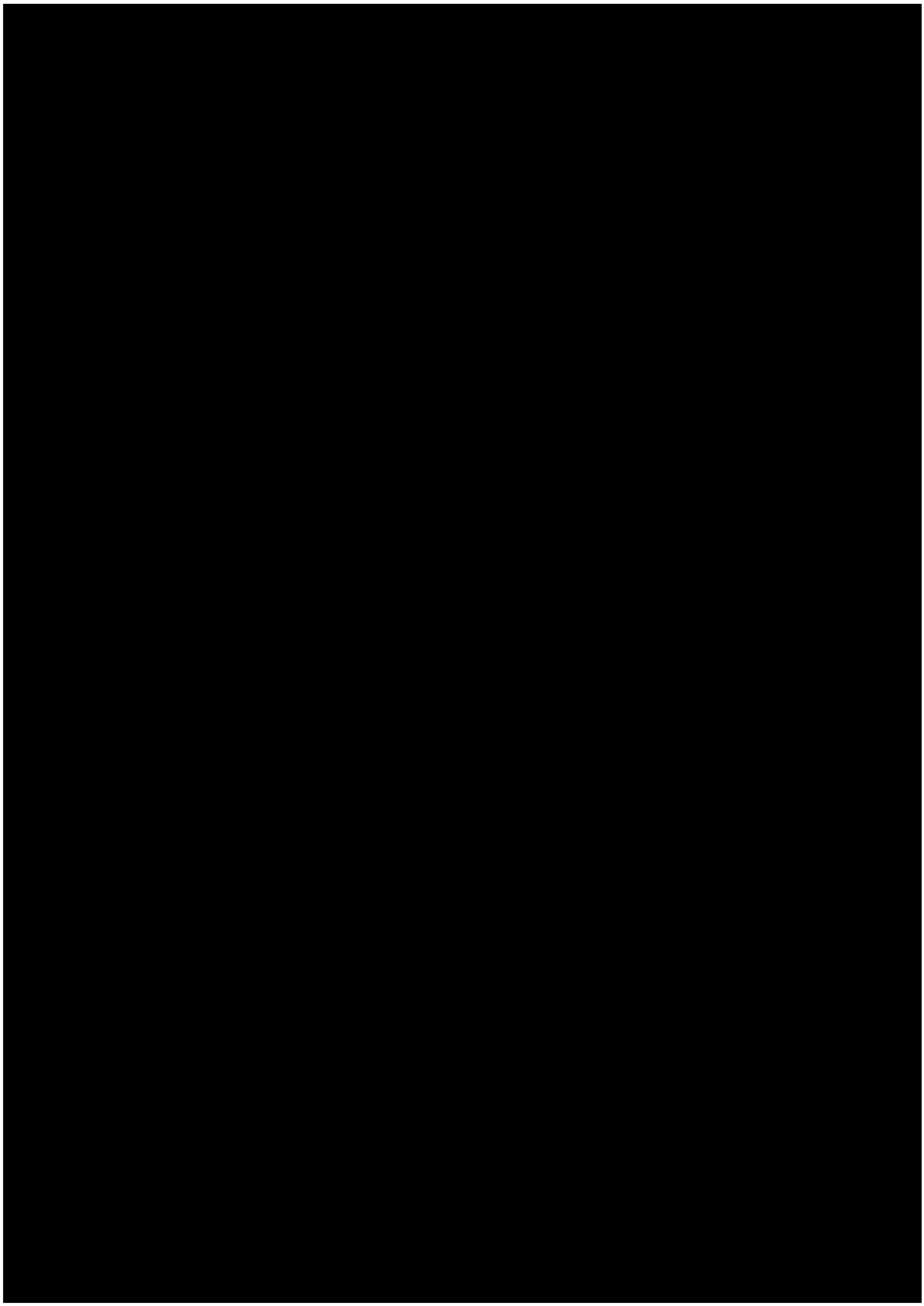

Figure 9.13. Unifacial tool density map for site 44FX0381.

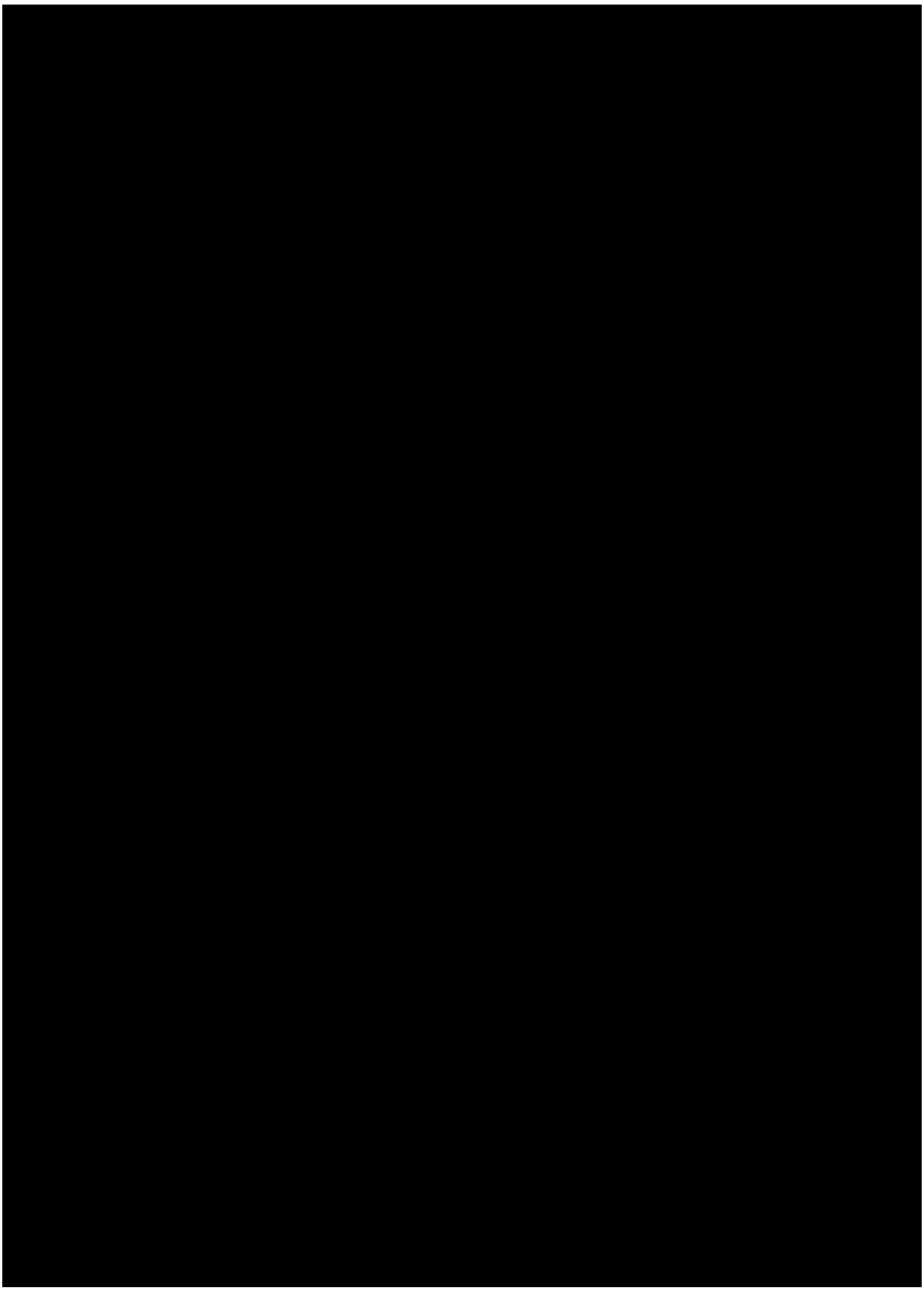

Figure 9.14. Core density map for site 44FX0381.

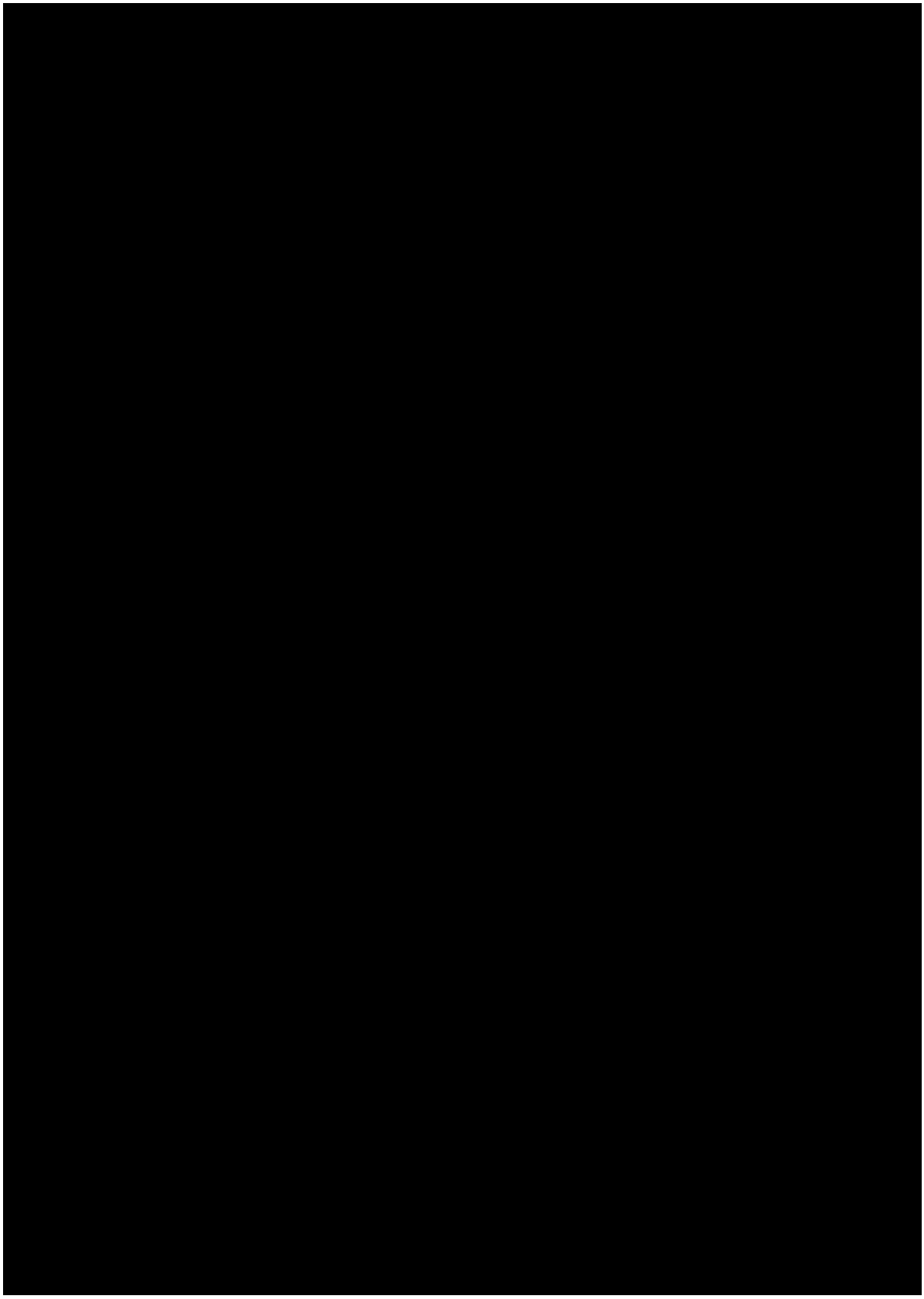

Figure 9.15. Debitage density map for site 44FX0381.

10. RESULTS OF PHASE II EVALUATION OF SITE 44FX0389

SUMMARY OF PHASE I SURVEY

Site 44FX0389 was identified during a 1980 reconnaissance survey of the Fairfax County section of the Park (Johnson 1981). Artifacts observed (but that do not appear to have been collected at that time) include one quartz biface, 10 quartz flakes, and two pieces of quartz debris (Johnson 1981). A portion of the site area was inspected in 2006, but no artifacts were recovered (Dongarra and Harris 2006:46, 98).

SITE SETTING

Site 44FX0389 is located [redacted] (see Figure 1.2). Most of the site is situated [redacted] (see Figure 1.3). The site is situated within a mature hardwood forest characterized by no to moderate undergrowth (Figures 10.1 and 10.2). Soils on the site are mapped primarily as Glenelg silt loam (7–15% slopes and 25–45% slopes), which is residuum weathered from mica schist or phyllite (USDA NRCS 2019). The site is bounded by slope to the north; by negative STPs and the [redacted]; by an unimproved road cut into the side slope and negative STPs to the east; [redacted] (Figures 10.3 and 10.4). [redacted] In general, the area is fairly extensively disturbed from past road building activities.

PHASE II EVALUATION

Shovel Tests

The Phase II evaluation of site 44FX0389 involved the excavation of 185 STPs at 25-ft intervals across the site, extending outside the recorded boundary of the site as necessary to investigate areas of artifact recovery (Figure 10.5). Most of the STPs encountered generally similar soils (varying mainly in the thickness of the E horizon and the nature of the E/Bt horizon interface) across the site, which consisted of an A/E/Bt horizon soil sequence (Figure 10.6). Several STPs in the [redacted] portion of the site (as well as the one TU in that area) contained a fill layer between the current A horizon and the original A horizon. The buried A horizon (Ab horizon) was of varying thickness and depth of origin in relation to the surface, but most were 0.3 to 0.6 ft thick and were encountered at depths ranging from 0.5 to 0.9 ft (Figure 10.7). Subsequent investigation demonstrated that this buried horizon is attributable to overlying disturbance (from former road construction activities), which resulted in the burial of the A horizon that was present at the time. Hence, the buried A horizon is equivalent to the A soil horizon found at the present surface elsewhere.

Almost one-third (*n*=54) of the STPs generated cultural material for a total of 171 lithic and two historic period artifacts. These include one quartz Calvert PPK, two quartz Small Savannah River PPKs, a quartz late stage biface, a quartzite early stage biface, two quartz unclassified biface fragments, a quartz scraper, a quartzite scraper, a utilized quartz flake, four cores (three quartz and one quartzite), and 157 pieces of unmodified debitage (136 quartz, 19 quartzite, and two rhyolite). The historic artifacts are two small undecorated whiteware sherds. Artifacts were recovered from the A (*n*=102), Ab (*n*=34), E (*n*=33), and Bt (*n*=3) horizons and Fill (*n*=1) in STPs [redacted], but were particularly concentrated in the [redacted] portion of the site. STPs produced from one to 18 artifacts, although most (80%) of the STPs yielded less than five artifacts each. Two of the three STPs producing more than 10 artifacts were located in the [redacted] portion of the site.

Figure 10.1. View of site 44FX0389, facing south.

Figure 10.2. View of site 44FX0389, facing north.

Figure 10.3. View of firebreak on site 44FX0389, facing southwest.

Figure 10.4. View of unimproved road on site 44FX0389, facing southwest.

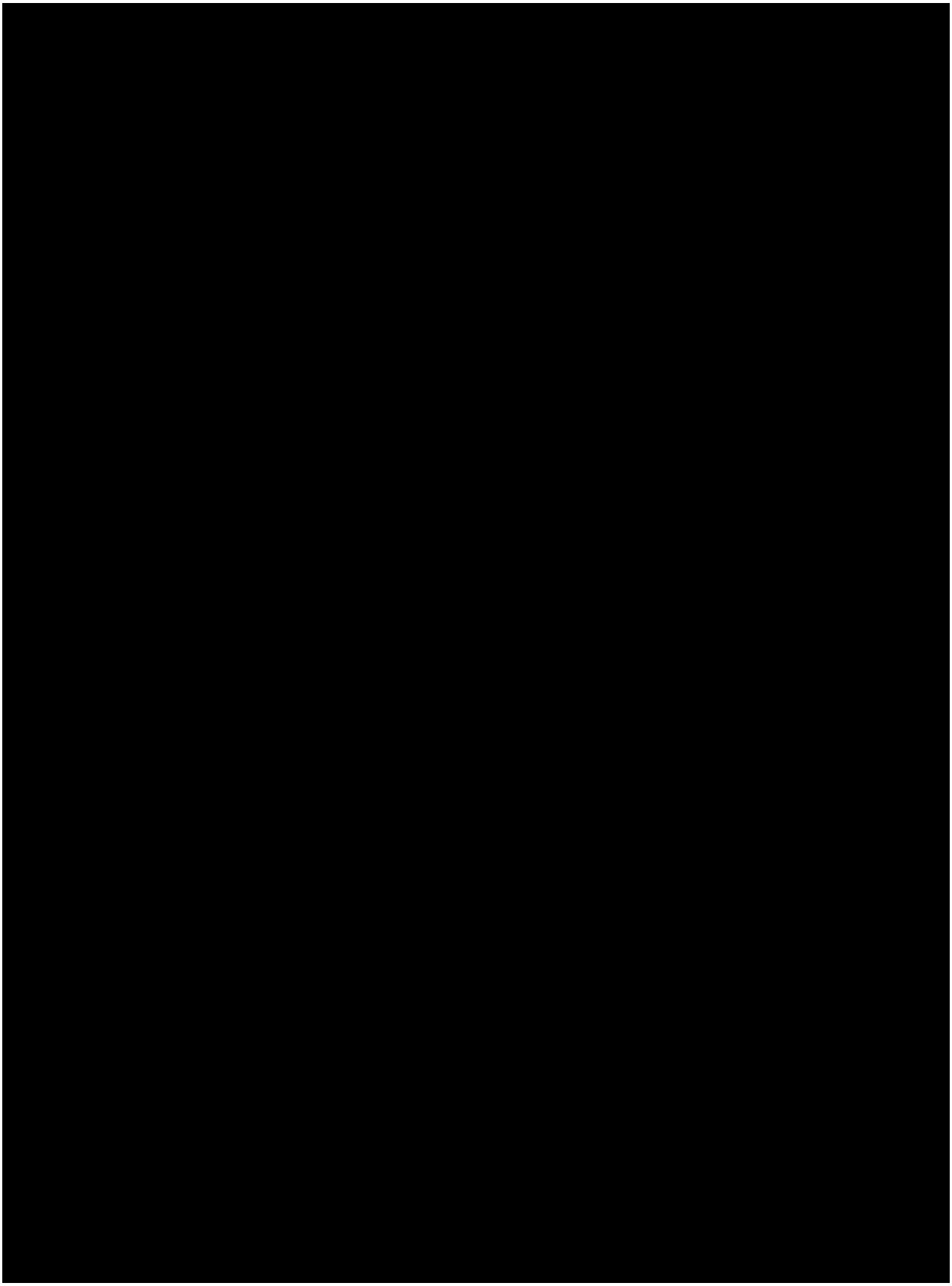

Figure 10.5. Plan map of site 44FX0389.

Figure 10.6. View of representative STP profile at site 44FX0389.

Figure 10.7. View of representative STP profile at site 44FX0389.

An additional 99 lithic and three historic period artifacts were collected [redacted]. The expansion of the site boundary to the [redacted] is entirely due to the presence of surface artifacts in that area. Thirteen of the 27 lithic tools obtained during the Phase II investigation of site 44FX0389 were collected from [redacted]. These include five temporally diagnostic PPKs (a quartz Clagett, a quartz Lamoka, a rhyolite Poplar Island, a quartz Small Savannah River, and a quartz Madison), two quartz mid-stage bifaces, one quartz late stage biface, one quartzite late stage biface, two quartz gravers, and two quartzite hammerstones. In addition, five quartz cores and 81 pieces of debitage (77 quartz and four quartzite) were collected from [redacted]. The historic period artifacts found [redacted] include a Ball-Blue type canning jar fragment with an affixed zinc lid and two partial canning jar lid liners.

Test Units

Four 3 × 3 ft TUs (1–3 and 15) were excavated during the Phase II investigation of site 44FX0389, primarily in areas of higher artifact densities that appeared to be minimally disturbed. One of the units was placed to further investigate the nature of the discontinuous Ab horizon encountered in certain portions of the site.

Test Unit 1. TU 1 was placed at N5346 E4700 (see Figure 10.5) near an STP that had produced 15 lithic artifacts, including a quartz biface fragment and 14 pieces of quartz debitage. TU 1 encountered the typical A/E/Bt horizon soil sequence. The organic A horizon (0.175–0.25 ft thick) was dark yellowish brown (10YR 3/4) silt loam and overlay a very light yellowish brown (10YR 6/4) silt loam E horizon. The E horizon at this location extended to about 0.55 ftbs to the top of the yellowish brown (10YR 5/8) silty clay Bt horizon. TU 1 generated 112 lithic artifacts, including a complete late stage quartz biface and 111 pieces of quartz debitage. Most of the artifacts were found in the E horizon (*n*=82), but 18 artifacts were found in the A horizon, and 12 were found in the top portion of the Bt horizon. Artifacts in the Bt horizon are attributed to bioturbation associated with the extensive root system encountered throughout the TU (Figure 10.8)

Figure 10.8. View of south wall profile of TU 1 at site 44FX0389.

Test Unit 2. TU 2 was placed at N5397 E4846 in the [redacted] portion of the site near an STP that had produced seven lithic artifacts, including a quartz utilized flake and six pieces of quartz debitage and where lithic tools were collected from the surrounding surface (see Figure 10.5). The three typical strata were encountered during the excavation of TU 2 (Figure 10.9). Stratum I was a thin (0.25 ft thick) A horizon of brown (7.5YR 4/3) silt loam; Stratum II was an E horizon of yellowish brown (10YR 5/4) silty clay loam. The E horizon extended to a depth of 0.6 ftbs, where it overlay a strong brown (7.5YR 5/6) silty clay Bt horizon. TU 2 generated 125 lithic artifacts, including a quartz scraper, a late stage quartz biface, 122 pieces of unmodified debitage (120 quartz and two quartzite), and one FCR. Roughly three-quarters of the artifacts were found in the E horizon and the remainder were found in the A horizon.

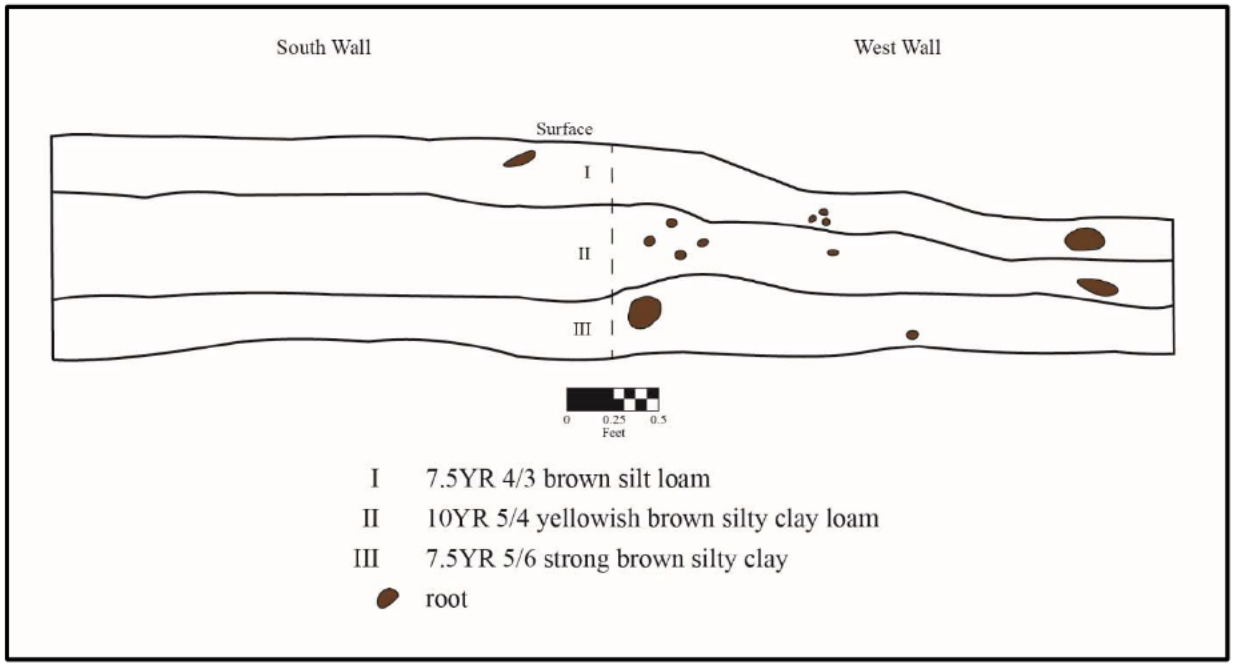

Figure 10.9. Profile drawing of south and west walls of TU 2 at site 44FX0389.

Test Unit 3. TU 3 was placed at N5400 E4747 near an STP that had produced 18 lithic artifacts, including a quartz late stage biface, a quartzite scraper, and 16 pieces of quartz debitage (see Figure 10.5). The TU encountered five strata (Figures 10.10 and 10.11). Stratum I at this location was a 0.10 to 0.20 ft thick A horizon of very dark brown (10YR 2/2) silt loam. Associated artifacts are limited to two pieces of debitage. Stratum II was a 0.65 to 1.15 ft thick layer of dark yellowish brown (10YR 4/4) silt loam mottled with strong brown (7.5YR 5/8) silty clay loam; this stratum represents disturbed fill. This overlay a second fill layer (Stratum III) of yellowish brown (10YR 5/4) silty clay loam with very pale brown (10YR 7/3) sandy lamellae and strong brown (7.5YR 5/8) silty clay mottles; this second artificial stratum was 0.20 to 0.70 ft thick and appeared to be of similar origin as the overlying Stratum II. The combined Stratum II and Stratum III fill layers generated 23 pieces of lithic debitage. Stratum III overlay a 0.15 to 0.40 ft thick very dark grayish brown (10YR 3/2) buried A (Ab) horizon (Stratum IV), which was encountered at about 1.12 ftbs. This stratum appears to represent the A horizon present by the early part of the 20th century and was artificially by construction of the unimproved road. (It is considered stratigraphically equivalent to the modern A horizon in less disturbed portions of the site). This stratum was absent in part of the western side of the unit. Eighty-five pieces of quartz debitage were found in the Ab horizon. The Ab horizon extended to a depth of 1.37 ftbs, where it overlay a brown (7.5YR 5/4) silty clay Bt horizon. Twenty pieces of quartz debitage were found in the upper part of the Bt horizon, and their presence at the top of that stratum is attributed to bioturbation.

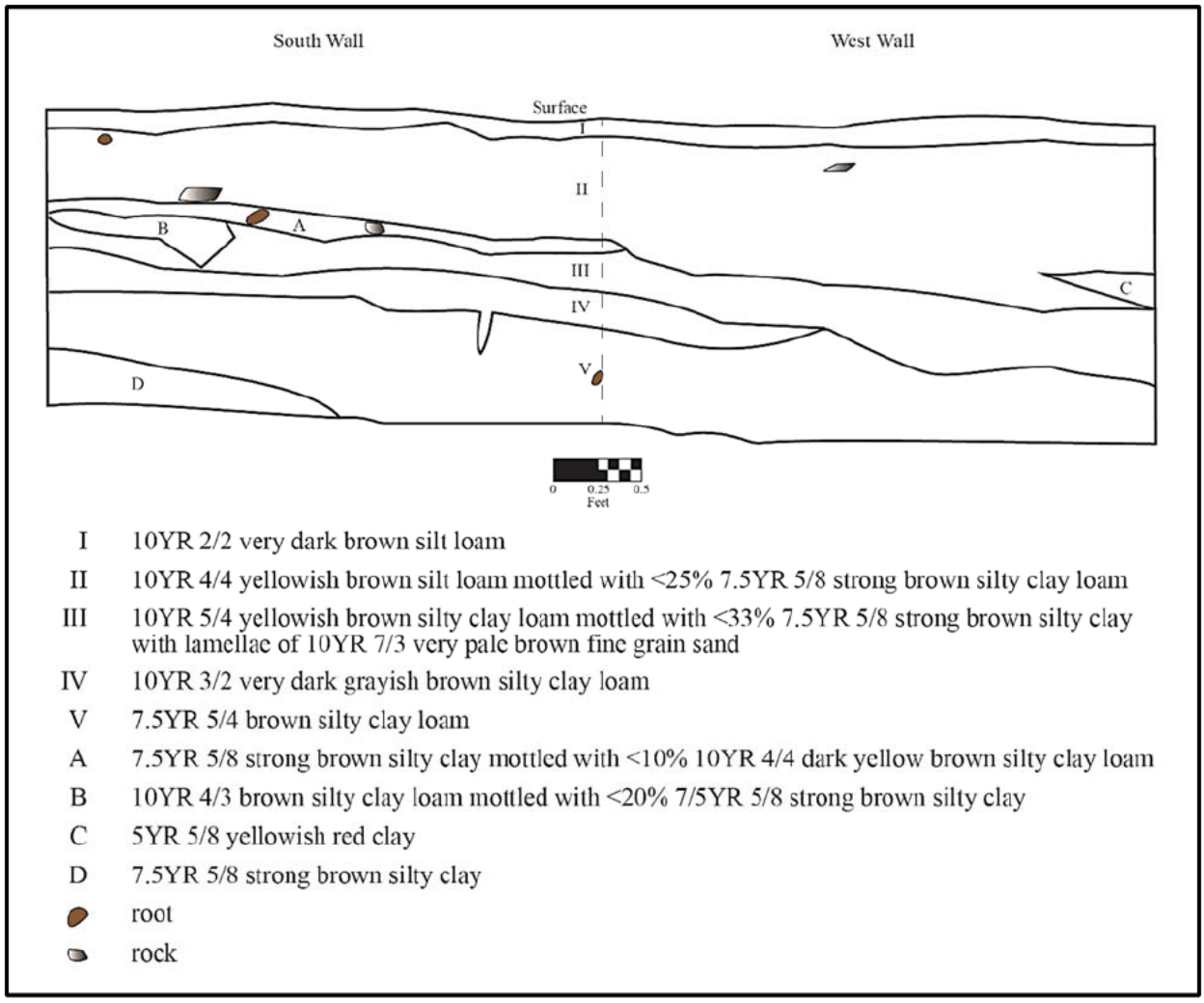

Figure 10.10. Profile drawing of south and west walls of TU 3 at site 44FX0389.

In summary, TU 3 produced a total of 130 pieces of lithic debitage, including 127 quartz and three quartzite specimens. Most of these were found in the buried A horizon, but similar artifacts were present in the modern humic zone as well as the fill deposits that overlay the Ab horizon and in the top of the underlying Bt horizon. The artifacts found in the bottom soil horizon are identical in class and material type to those present in the buried A horizon and are considered intrusive to the Bt horizon through bioturbation.

Test Unit 15. TU 15 was placed at N5345 E4722 in the vicinity of TU 1 (see Figure 10.5). The typical three-strata sequence was encountered during excavation of TU 15 (Figure 10.12). The A horizon was 0.20 to 0.25 ft thick and composed of dark yellowish brown (10YR 4/4) silt loam. This humic zone graded into the E horizon, which was brownish yellow (10YR 6/6) silt loam; the E horizon extended to a depth of 0.45 ftbs, where it overlay a strong brown (7.5YR 5/6) silty clay Bt horizon. TU 15 generated 57 lithic artifacts, including a quartz Madison PPK and 56 pieces of unmodified debitage (55 quartz and one quartzite). Artifacts were relatively evenly distributed between the A (n=26) and E (n=31) horizons; the Madison PPK was found in the A horizon.

Figure 10.11. View of east wall profile of TU 3 at site 44FX0389 (board is mislabeled).

Figure 10.12. View of east wall profile of TU 15 at site 44FX0389.

Artifacts

Lithic Artifacts. The Phase II prehistoric artifact assemblage (*n*=694) from 44FX0389 consists almost entirely of quartz artifacts (Table 10.1). Quartz is represented by over 95 percent of the debitage, all of the cores, eight of the nine PPKs, eight of the 10 other bifaces, and five of the six flake tools. Quartzite accounts for a small percentage of the debitage and is represented in the tool assemblage by one late stage biface, one minimally modified biface, a unifacial scraper, and two hammerstones. A Poplar Island PPK is made of rhyolite; its material composition appears different from the two rhyolite flakes recovered on the site.

Table 10.1. Lithic Artifacts from Site 44FX0389 by Material.

Artifact Type	Quartz	Quartzite	Rhyolite	Total
Tools				
Biface, Late Stage	4	1		**5**
Biface, Mid Stage	2			**2**
Biface, Unid.	2			**2**
Bifacial Scraper, Type II	1			**1**
Biface, Chopper		1		**1**
Graver	1			**1**
Graver/Perforator	1			**1**
PPK, Calvert	1			**1**
PPK, Clagett	1			**1**
PPK, Lamoka	1			**1**
PPK, Madison	2			**2**
PPK, Poplar Island			1	**1**
PPK, Small Savannah River	3			**3**
Thumbnail Scraper	1			**1**
Scraper, Unid.		1		**1**
Utilized Flake	1			**1**
Hammerstone		2		**2**
Tools Subtotal	*21*	*5*	*1*	*27*
Debitage				
Bipolar Flake, Fragment	3	1		**4**
Core, Exhausted	2			**2**
Core, Fragment	4			**4**
Flake, Complete	29	5	1	**35**
Flake, Fragment	557	22	1	**580**
Shatter	39	2		**41**
Debitage Subtotal	*634*	*30*	*2*	*666*
Fire Cracked Rock	1			**1**
Other Subtotal	*1*	*0*	*0*	*1*
Totals	**656**	**35**	**3**	**694**

The Phase II assemblage includes 27 tools or potential tools, including nine PPKs. The partial quartz Clagett PPK was found on the surface in the [redacted] portion of the site (between TUs 2 and 3) (Figure 10.13d). It has a transverse fracture and may have broken during construction or use. A complete quartz Lamoka PPK was found on the surface in the [redacted] portion of the site (N5525 E4850) (Figure 10.13e). The rhyolite Poplar Island PPK was found in the [redacted] portion of the site (southwest of TU 15) (Figure 10.13f). Three quartz Small Savannah River PPKs were found—one on the surface and two in STPs (Figures 10.13g–i). One has a small impact fracture and the other two have transverse fractures. The Calvert PPK was found in an STP in the [redacted] portion of the site (Figure 10.13a). Two Madison PPKs were found—one in TU 15 and one from the surface in the [redacted] portion of the site (Figure 10.13b, c).

Figure 10.13. Representative PPKs from site 44FX0389. a) quartz Calvert; b–c) quartz Madison; d) quartz Clagett; e) quartz Lamoka; f) rhyolite Poplar Island; g–i) quartz Small Savannah River

The Phase II assemblage from site 44FX0389 contains six other chipped stone tools. These include a quartz type II scraper with bifacial retouch on a single margin (Figure 10.14d); a quartz "thumbnail" type scraper that exhibits acute, unifacial retouch on the distal margin (Figure 10.14e); a quartzite scraper that exhibits minor unifacial retouch (Figure 10.14c); and two quartz tools that are classified as gravers because of their distinctive bits (Figures 10.14a, b). The other such artifact is a utilized quartz flake from the A horizon.

Six staged bifaces were recovered during the Phase II investigation of site 44FX0389. The late stage bifaces include a complete quartz example that may have functioned or been intended as a knife or projectile point with an unfinished hafting area (Figure 10.15d); two quartz specimens with morphologies that suggest they may have functioned as expedient tools (Figures 10.15c, e); and a fragmentary quartzite late stage biface that may be a PPK midsection (Figure 10.15f). The assemblage includes two fragmentary quartz mid-stage bifaces (Figures 10.16a and b). One other biface appears to have been abandoned at an early stage of reduction and resembles a chopper (Figure 10.16). Two quartz biface fragments cannot be further classified.

The debitage assemblage from 44FX0389 includes six cores, 35 complete flakes, 584 flake fragments, and 41 pieces of shatter. The cores (all quartz) include two exhausted (amorphous/multidirectional) (e.g., Figures 10.17b, c) and four other fragmentary examples (e.g., Figures 10.17a, d). Other unmodified debitage includes quartz (*n*=628), quartzite (*n*=30), and rhyolite (*n*=2). Most (96.0%) of the unmodified quartz debitage is noncortical and is small in size (0–2 cm=77.7%) (Table 10.2). Excluding shatter (and cores), the mean weight for quartz debitage is 1.2 g. Quartzite debitage is generally larger, with a mean weight of 3.6 g. Rhyolite flakes are dark gray or greenish gray aphyric varieties. Both are small and noncortical.

The tool assemblage is dominated by hafted and unhafted bifacial tools and indicative of biface and PPK production, refurbishment, and replacement. A few informal flake tools (e.g., scrapers, gravers, utilized flakes) suggests that other activities were also carried out at the site.

Two other quartzite artifacts found on the surface resemble hammerstones and/or anvils. One has battering on one end (Figure 10.18b) and the other has battering on one end and pitting on a flat surface (Figure 10.18a) and was likely used for bipolar reduction as well.

In addition to the chipped stone artifacts, one small, broken quartz cobble represents FCR.

Historic Artifacts. Five historic period artifacts were recovered during Phase II investigation of site 44FX0389. These include a canning jar fragment with a zinc lid, two canning jar lid liner fragments, and two small undecorated whiteware sherds. These are attributed to isolated discard rather than any local habitation. A few other modern artifacts (clear glass bottles, plastic debris, an aluminum lawn chair with plastic webbing) were observed on the surface throughout the site and were not collected. These were all attributable to casual and unauthorized discard, and not related to any habitation.

Figure 10.14. Representative tools from site 44FX0389. a) quartz graver; b) quartz graver; c) quartzite scraper; d) quartz bifacial scraper; e) quartz thumbnail scraper

Figure 10.15. Representative bifaces from site 44FX0389. a–b) quartz mid stage biface; c–e) quartz late stage biface; f) quartzite late stage biface

Figure 10.16. Chopper from site 44FX0389.

Figure 10.17. Representative cores from site 44FX0389. a–b) quartz exhausted core; c–d) quartz core fragment

Figure 10.18. Representative groundstone tools from site 44FX0389.
a–b) quartzite hammerstone

Table 10.2. Unmodified Flakes from Site 44FX0389 by Size and Cortex Classes.

Material Type	Cortex Category	<1 cm	1–2 cm	2–3 cm	3–4 cm	4–5 cm	>5 cm	Total
Rhyolite								
	Primary							
	Secondary							
	Tertiary		2					**2**
	Subtotal	*0*	*2*	*0*	*0*	*0*	*0*	***2***
Quartz								
	Primary		1	1				**2**
	Secondary		2	5	3	1	1	**12**
	Tertiary	82	373	91	19	3	4	**572**
	Subtotal	*82*	*376*	*97*	*22*	*4*	*5*	***586***
Quartzite								
	Primary							
	Secondary		3	2	1			**6**
	Tertiary		5	11	1	3	1	**21**
	Subtotal	*0*	*8*	*13*	*2*	*3*	*1*	***27***
Total								
	Primary		1	1				**2**
	Secondary		5	7	4	1	1	**18**
	Tertiary	82	380	102	20	6	5	**595**
	Total	**82**	**386**	**110**	**24**	**7**	**6**	**615**

Artifact Distribution. Roughly one-third of the artifacts (34%) were recovered from the E horizon, and almost half were found in the combined A horizons (43%) (Table 10.3). The more controlled excavations within the TUs demonstrated that the vertical distribution of artifacts in the E horizon is unimodal in character and after a spike in the first level (81%), artifact counts (in all artifact classes) diminish precipitously with depth. There does not appear to be any clear vertical differentiation between artifact deposits associated with any of the components represented at the site, although (as at other sites) this is more difficult to discern considering so many of the temporally diagnostic artifacts were found on the surface (Table 10.4). The A horizon produced the Calvert, a Madison, and one Small Savannah River PPKs, and the E horizon produced a Small Savannah River PPK; all others were found on the surface.

In general, artifacts were found across the wide area encompassed by the site but were more concentrated [redacted] (Figures 10.19–10.23). All of the PPKs, all but one of the bifaces, all of the unifacial tools, and most of the cores were found in this area. There are a number of relatively higher (>5) density areas for debitage, most in that same [redacted] part of the site and in general corresponding well with the locations of bifaces and unifacial tools. Based on the horizontal distribution of temporally diagnostic artifacts, there do not appear to be spatially discrete areas utilized exclusively during any particular time period.

Table 10.3. Artifacts from Site 44FX0389 by Horizon.

Artifact Type	Surface	A	Fill	Ab	E	B	Total
Tools							
Biface, Unid.		1			1		**2**
Biface, Late Stage	2	1			2		**5**
Biface, Mid Stage	2						**2**
Biface, Chopper		1					**1**
Bifacial Scraper, Type II		1					**1**
Thumbnail Scraper		1					**1**
Scraper, Unid.					1		**1**
Graver	1						**1**
Graver/Perforator	1						**1**
Hammerstone	2						**2**
Utilized Flake		1					**1**
PPK, Calvert		1					**1**
PPK, Clagett	1						**1**
PPK, Lamoka	1						**1**
PPK, Madison	1	1					**2**
PPK, Poplar Island	1						**1**
PPK, Small Savannah River	1	1			1		**3**
Tools Subtotal	*13*	*9*	*0*	*0*	*5*	*0*	***27***
Debitage							
Bipolar Flake, Fragment	1	2			1		**4**
Core, Exhausted	1	1					**2**
Core, Fragment	4						**4**
Flake, Complete	6	14		2	12	1	**35**
Flake, Fragment	67	139		111	205	34	**580**
Shatter	7	14		6	14		**41**
Debitage Subtotal	*86*	*170*	*24*	*119*	*232*	*35*	***666***
Other							
Fire Cracked Rock		1					**1**
Other Subtotal	*0*	*1*	*0*	*0*	*0*	*0*	***1***
Historic							
Whiteware, Undecorated		1			1		**2**
Glass, Canning Jar	1						**1**
Glass, Canning Jar Lid Liner	2						**2**
Historic Subtotal	*3*	*1*	*0*	*0*	*1*	*0*	***5***
Totals	**102**	**181**	**24**	**119**	**238**	**35**	**699**

Table 10.4. Temporally Diagnostic Artifacts from Site 44FX0389 by Horizon.

Artifact Type	Surface	A	E	Total
Lithics				
PPK, Calvert		1		**1**
PPK, Madison	1	1		**2**
PPK, Small Savannah River	1	1	1	**3**
PPK, Clagett	1			**1**
PPK, Lamoka	1			**1**
PPK, Poplar Island	1			**1**
Tools Subtotal	*5*	*3*	*1*	***9***
Totals	**5**	**3**	**1**	**9**

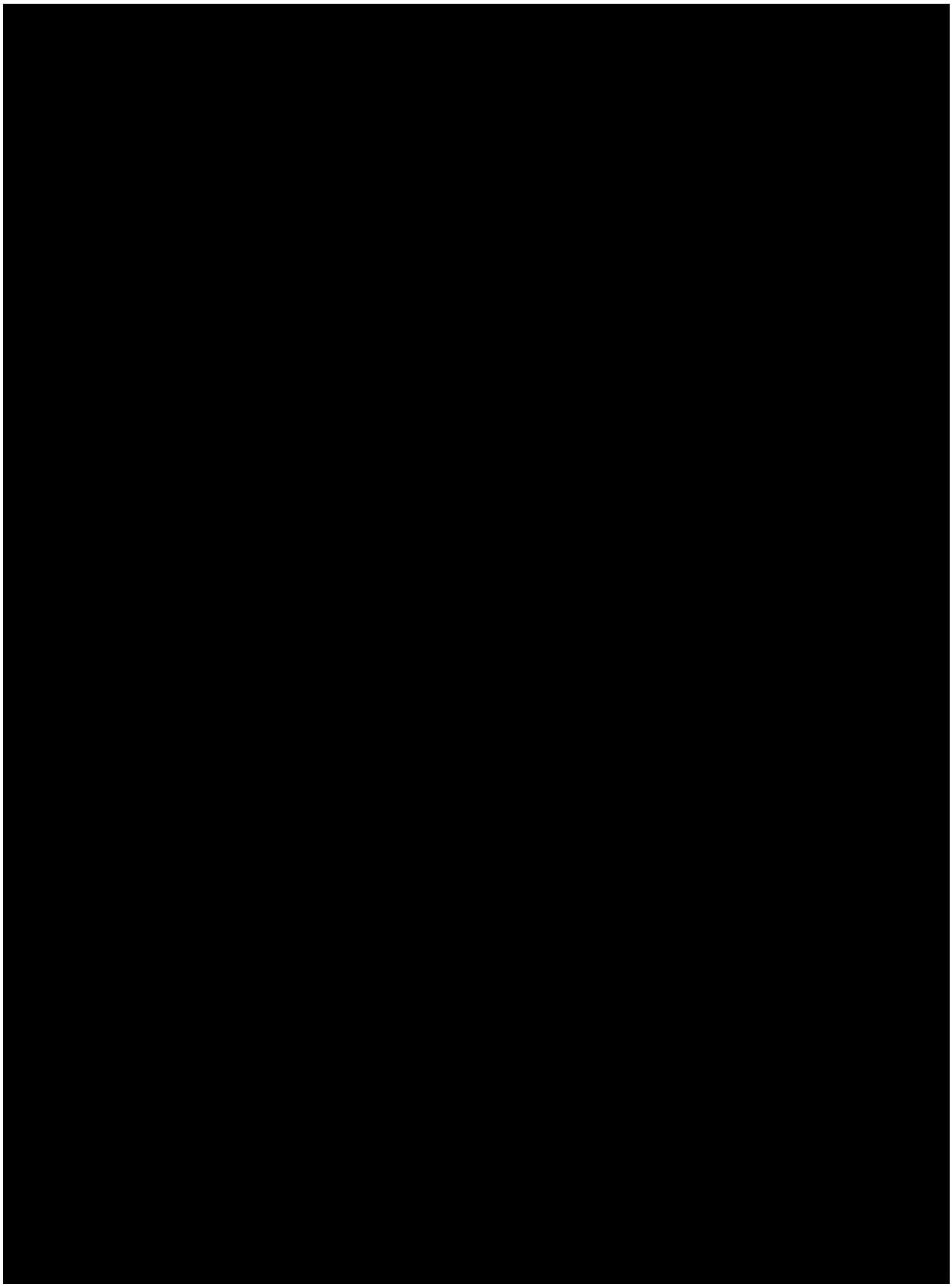

Figure 10.19. PPK density map for site 44FX0389.

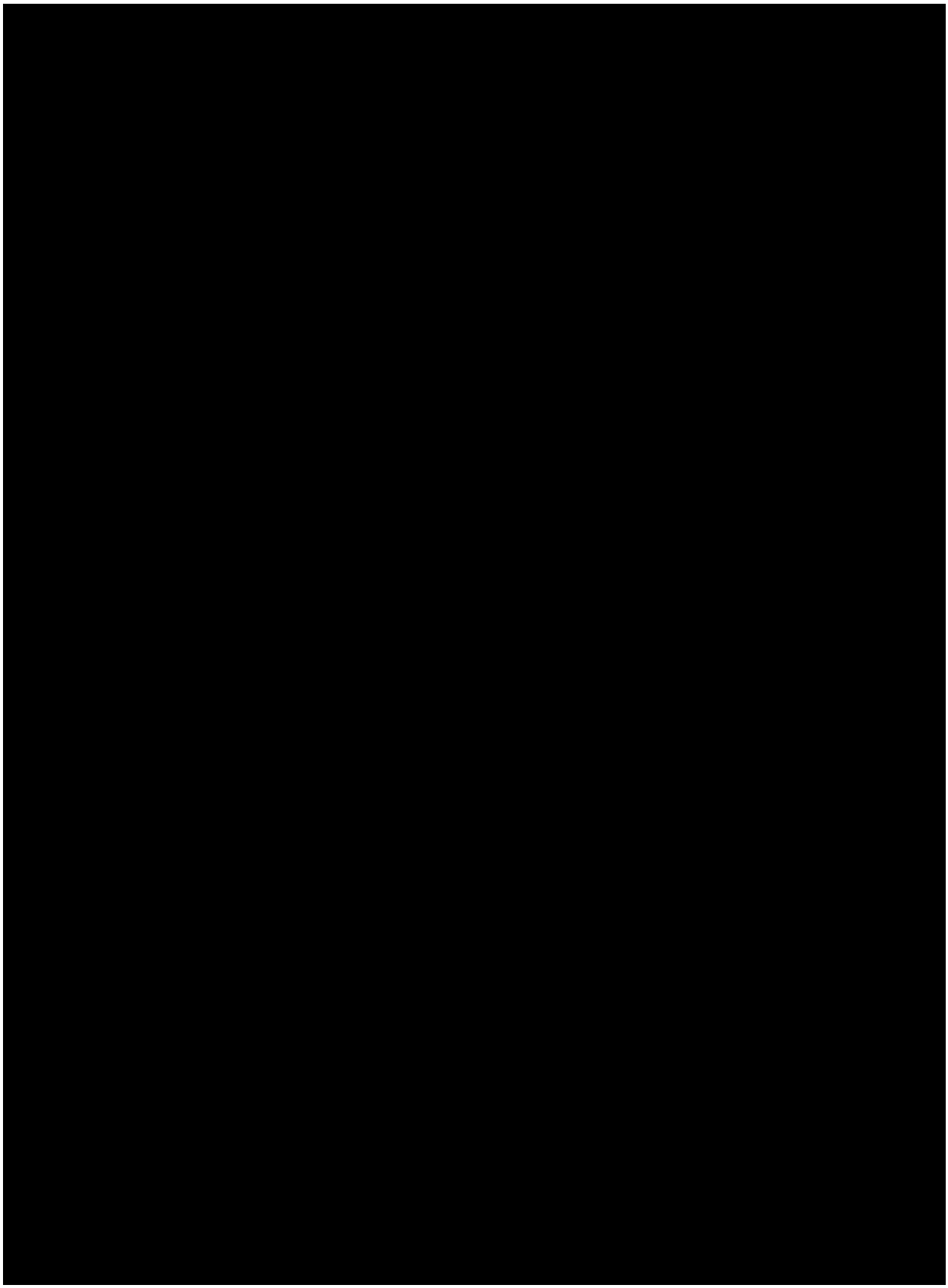

Figure 10.20. Biface density map for site 44FX0389.

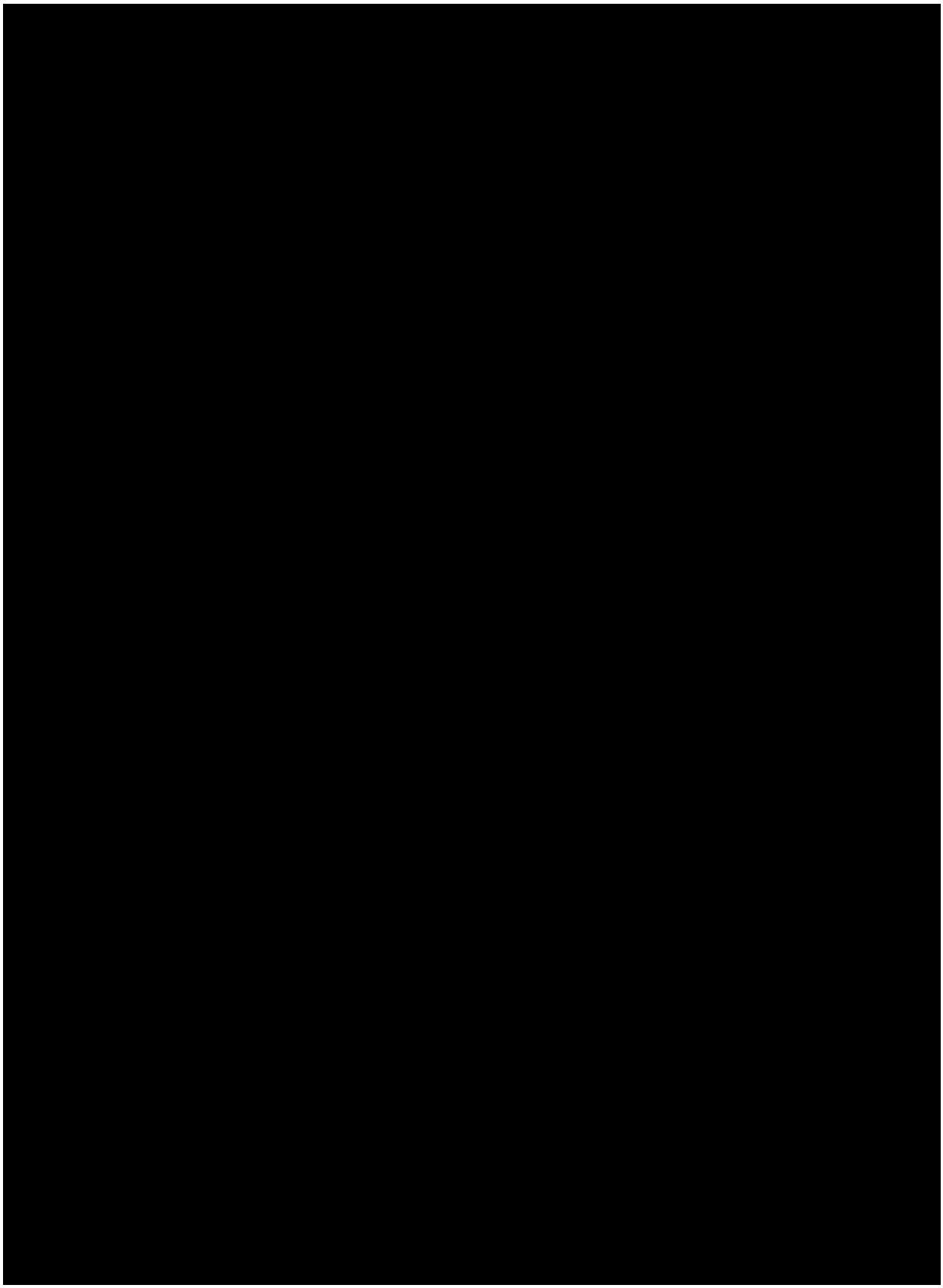

Figure 10.21. Unifacial tool density map for site 44FX0389.

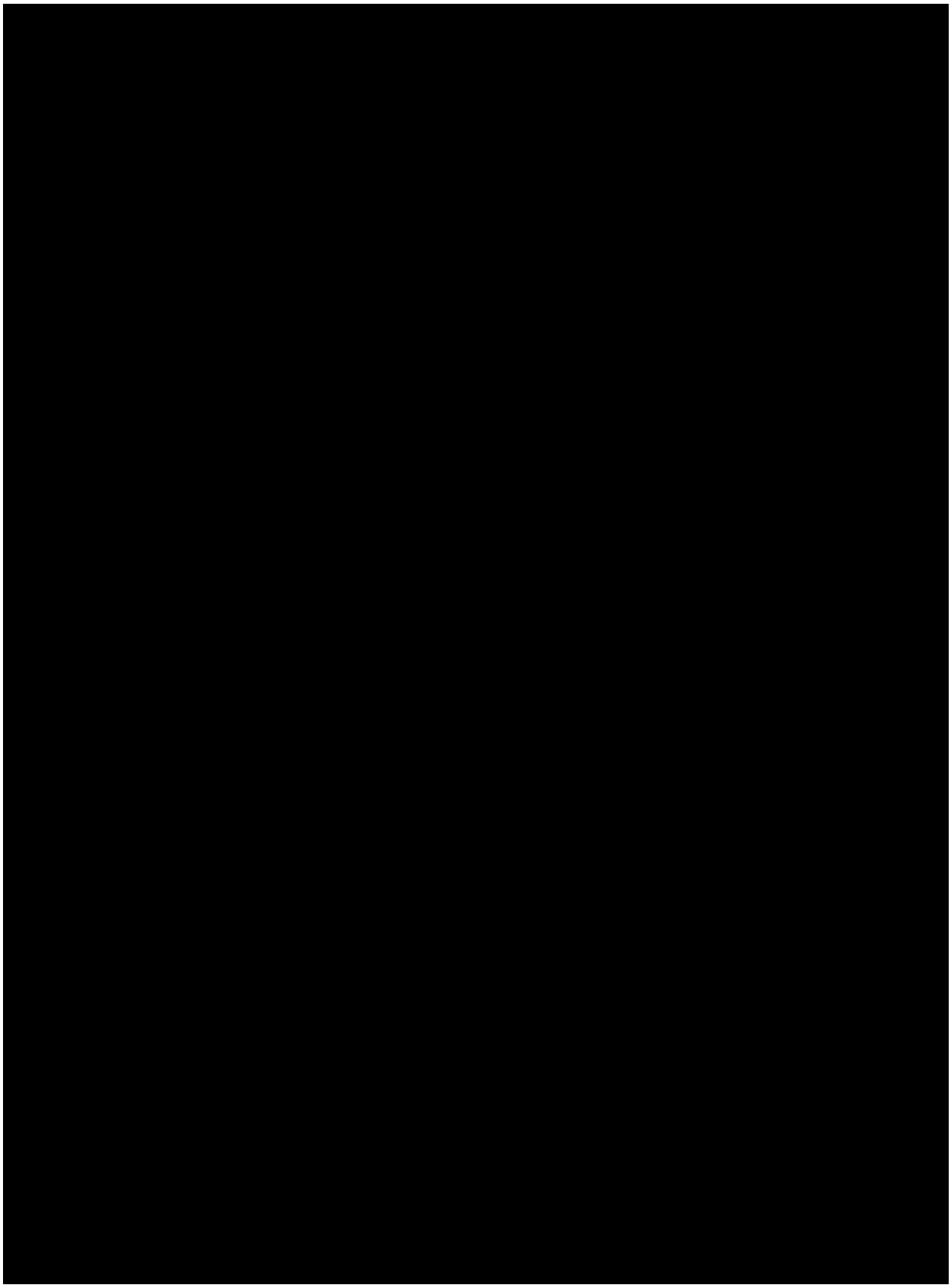

Figure 10.22. Core density map for site 44FX0389.

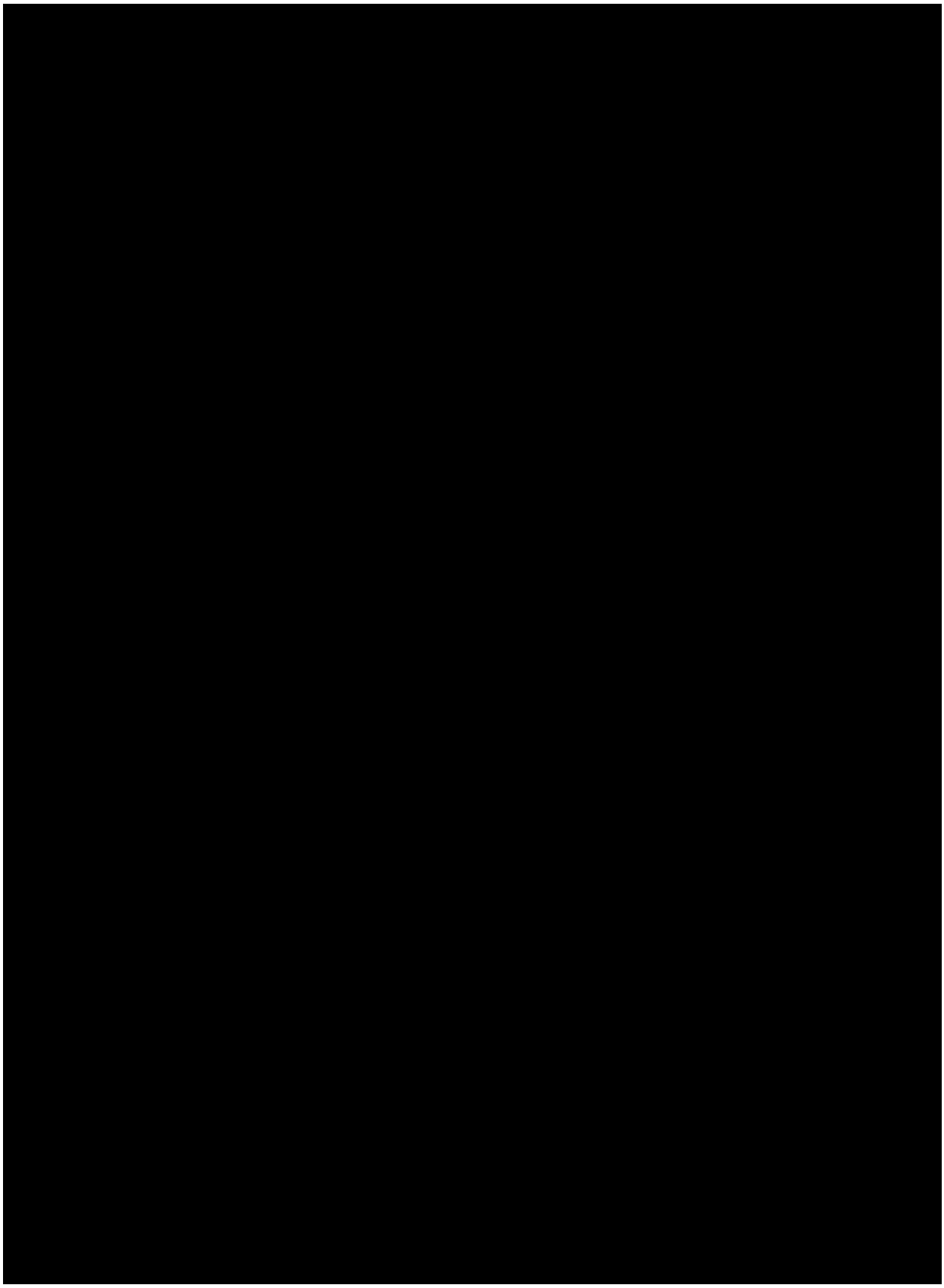

Figure 10.23. Debitage density map for site 44FX0389.

SUMMARY AND RECOMMENDATIONS

The Phase II investigation of site 44FX0389 involved the excavation of 185 STPs and four TUs resulting in the recovery of a total of five historic and 694 prehistoric lithic artifacts. The lithic assemblage (all tool and debitage classes) is dominated by quartz, which was presumably acquired from a nearby source or sources. The prehistoric assemblage consists of a Poplar Island PPK, a Lamoka PPK, three Small Savannah River PPKs, a Clagett PPK, a Calvert PPK, two Madison PPKs, two mid-stage bifaces, five late stage bifaces, two unclassified biface fragments, three scrapers, two gravers, one chopper, six cores, one utilized flake, 656 pieces of debitage, two hammerstones, and one FCR.

In summary, site 44FX0389 contains Late Archaic, Early Woodland, and Late Woodland deposits, with artifacts representing an unknown but multiple number of site visits during the prehistoric past and likely reflecting general resource extraction activities, particularly stone tool maintenance and production, as well as game hunting. The stone tool assemblage is more diverse than many of the other sites investigated during this study, with the inclusion of two gravers, three scrapers, and a chopper and indicates that other resources extractive and processing activities occurred at the site. There are no apparent substantial concentrations of artifacts and no evidence of cultural features. Five historic period artifacts appear to be the result of 20th century to modern refuse disposal and are not relatable to any local occupation. Site 44FX0389 is generally characterized by a low density of cultural deposits; there is no vertical or horizontal differentiation between components; and artifacts resulting from different component occupations are mixed in the bioturbated E horizon. Moreover, much of the site has been impacted by the construction of unimproved roads during the middle 20th century. Site 44FX0389 is unlikely to provide any important information concerning local or regional prehistoric occupations and is recommended not eligible for the NRHP under Criterion D. No additional investigation is recommended at this site for this project.

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11. RESULTS OF PHASE II EVALUATION OF SITE 44FX3160

SUMMARY OF PHASE I SURVEY

Site 44FX3160 was identified during a 2006 survey for the proposed Mt. Vernon Trail Extension (Dongarra and Harris 2006). Five STPs excavated during that investigation produced a total of 10 pieces of noncortical quartz debitage and five pieces of noncortical quartzite debitage (Dongarra and Harris 2006:54). Most of the artifacts were recovered from the second stratum (the E horizon) and were found in a single STP (Dongarra and Harris 2006:52). Based on the results of the 2006 study, the site measures approximately 30 × 50 ft and contains an unknown prehistoric component. The site was interpreted as a short-term campsite with evidence for tool maintenance and manufacturing and was considered to have the potential for containing "internally distinguishable activity areas" (Dongarra and Harris 2006:54).

SITE SETTING

Site 44FX3160 was recorded [redacted]. Site 44FX0381 is located [redacted] (see Figures 1.2 and 1.3). Site 44FX3160 is within a mature hardwood forest with little to no undergrowth (Figure 11.2). Soils on the site are mapped primarily as Glenelg silt loam (7–25% slopes), which consists of residuum weathered from mica schist or phyllite (USDA NRCS 2019). The site is bounded by slope to the east, slope and negative STPs to the west, negative STPs to the north, and negative STPs [redacted]

PHASE II EVALUATION

Shovel Tests

No artifacts were encountered in the nine STPs excavated at 25-ft intervals on the relatively level portions of the site (Figure 11.3). Most STPs encountered similar soils, which consisted of an A/E/Bt horizon sequence, although several layers of fill with modern debris were encountered above the original A horizon in some areas (Figure 11.4). A systematic examination of eroded surfaces on both sides of the artificial drainage encountered no artifacts other than modern refuse.

Test Units

Test Unit 6. One 3 × 3 ft TU (TU 6) was excavated in the [redacted] portion of the site in an area that appeared to be most visibly intact. Six strata were observed in TU 6 (Figure 11.5). Stratum I (0–0.3 ftbs) was an organic A horizon of dark brown (10YR 3/3) silt loam; Stratum II (0.3–1.2 ftbs) was a fill layer of brownish yellow (10YR 6/8) sandy loam; Stratum III (1.2–1.5 ftbs) was an Ab horizon of dark yellowish brown (10YR 3/4) silty clay loam mottled with dark yellowish brown (10YR 3/4) silty clay; Stratum IV (1.5–2.3 ftbs) was a B horizon of strong brown (7.5YR 4/6) silty clay loam; Stratum V (2.3–2.7 ftbs) was an Ab2 horizon of brown (7.5YR 4/4) silty clay loam; and Stratum VI (2.7–3.3 ftbs) was a Bt horizon of yellowish red (5YR 5/8) silty clay loam mottled with yellowish red (5YR 5/8) silty clay. One piece of quartz shatter was found in Stratum III, the second A horizon.

Figure 11.1. View of small channelized stream on site 44FX3160, facing north.

Figure 11.2. View of site 44FX3160, facing south.

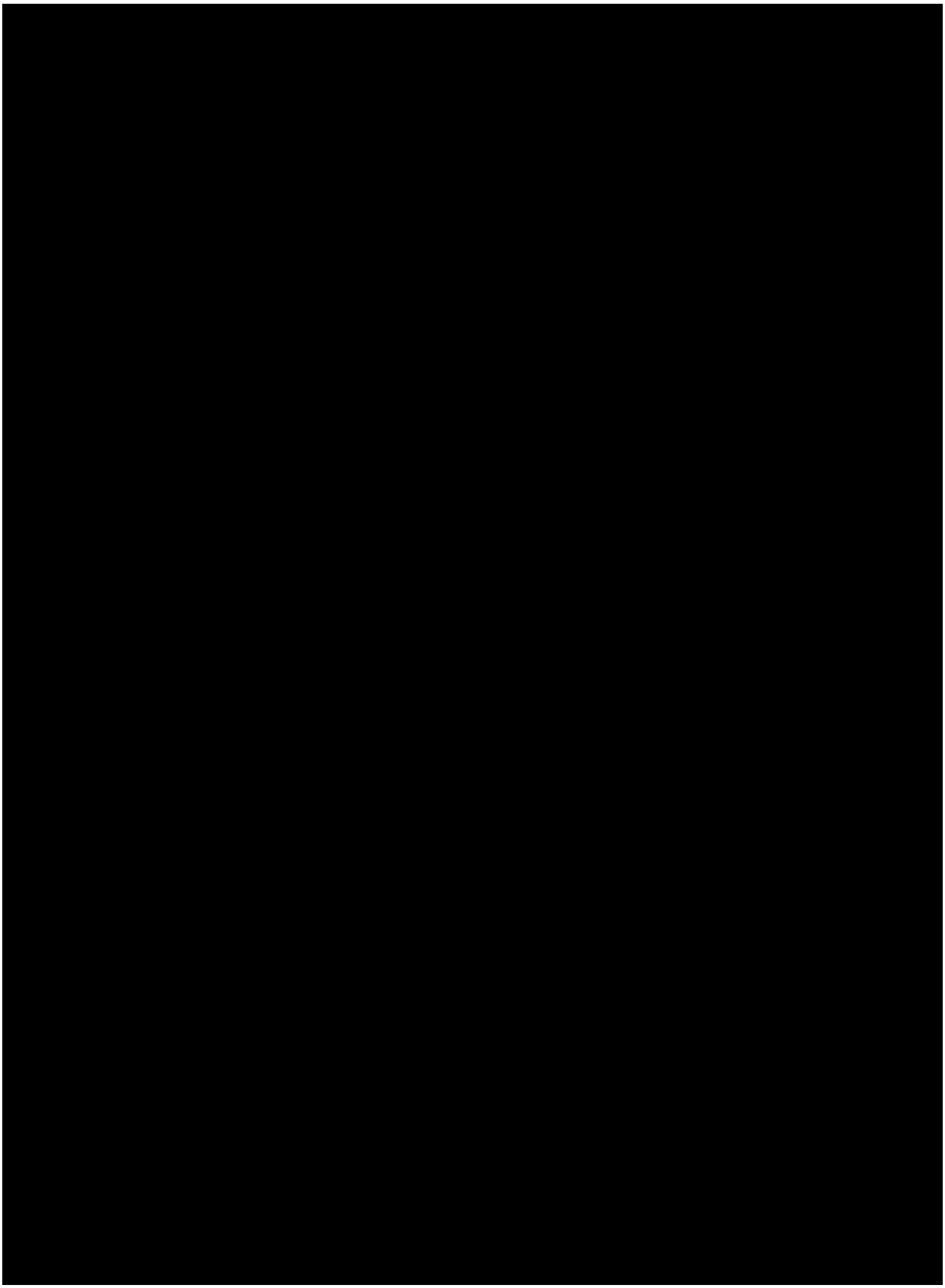

Figure 11.3. Plan map of site 44FX3160.

Figure 11.4. View of typical STP profile on site 44FX3160.

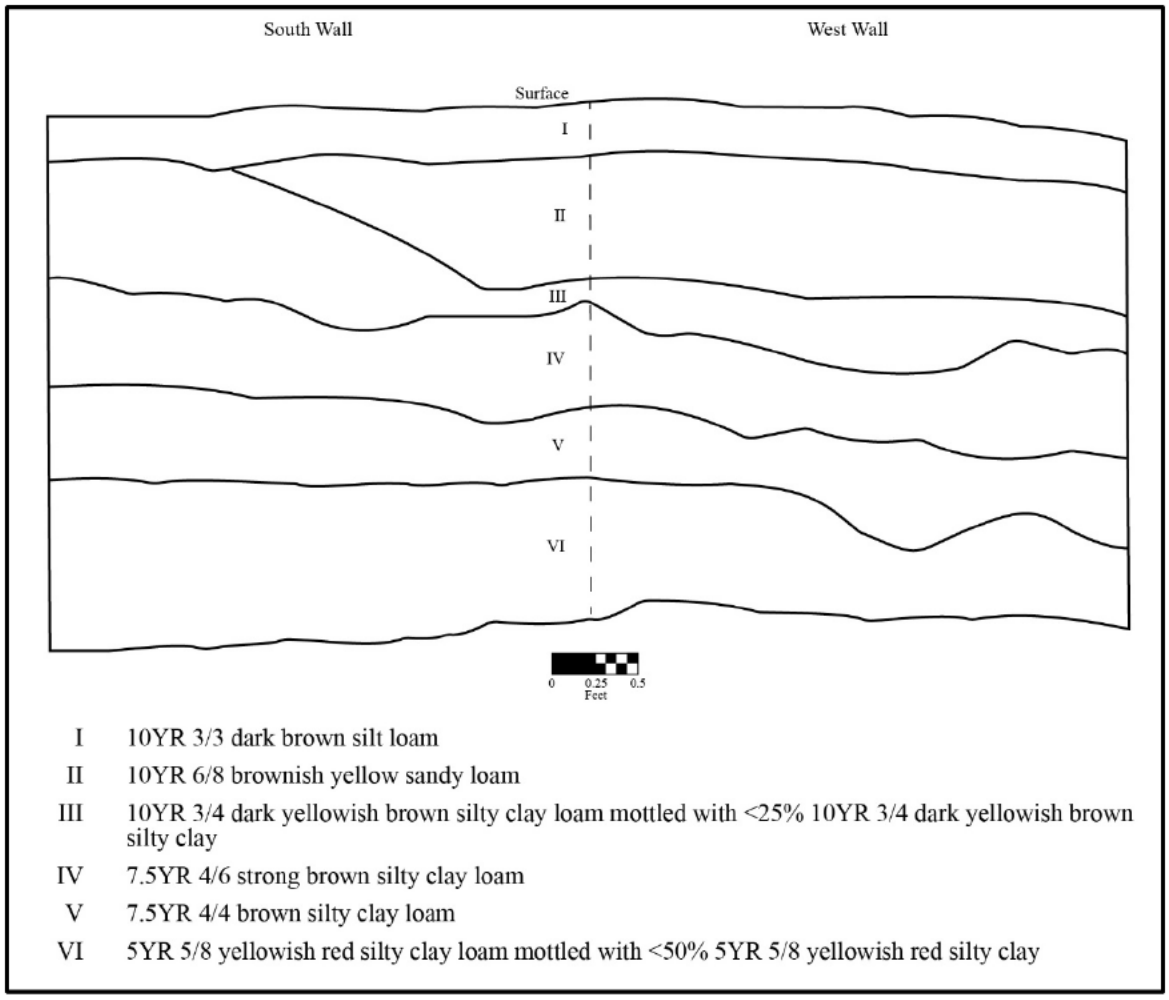

Figure 11.5. Profile drawing of west and south walls of TU 6 at site 44FX3160.

Artifacts

Lithic Artifacts. The Phase II assemblage from site 44FX3160 is limited to a single piece of quartz debitage from the first buried A horizon in TU 1 (Stratum III, 1.2–1.5 ftbs, an Ab horizon of mottled dark yellowish brown (10YR 3/4) silty clay and silty clay loam). Stratum III appears to be historic (likely modern) colluvium that post-dates Parkway construction.

SUMMARY AND RECOMMENDATIONS

Phase II investigation at site 44FX3160 consisted of the excavation of nine STPs and one 3 × 3 ft TU, resulting in the recovery of just a single nondiagnostic prehistoric period artifact from what is likely historic colluvium. Overall, site 44FX3160 has produced a small number of nondiagnostic lithic artifacts and given the setting, it is not clear if the prehistoric artifacts found on site 44FX3160 are attributable to any direct activity that occurred at this location in the prehistoric past or if these artifacts are in this area as a result of redeposition through slope wash or through activities associated with road construction. Site 44FX3160 is unlikely to provide any important information concerning local or regional prehistoric occupations and is recommended not eligible for the NRHP under Criterion D. Consequently, no further archaeological investigation is recommended for this site.

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12. RESULTS OF PHASE II EVALUATION OF SITE 44FX3900

SUMMARY OF PHASE I SURVEY

Site 44FX3900 was identified during the Phase I survey for this project when three STPs located [redacted] of the Parkway and [redacted] produced prehistoric lithic artifacts from the A (*n*=4) and E (*n*=11) horizons. These consist of one unclassified biface fragment and 14 pieces of debitage. Given the moderate artifact density and the presence of cultural material in the E horizon, this site was recommended for additional investigations to evaluate NRHP eligibility. To expedite the project review, that Phase II evaluation was conducted during other Phase II work conducted for this project and the combined Phase I and II results are presented in full in this chapter. It should be noted that investigation of this site was partially impeded by the presence of multiple yellowjacket nests located in the [redacted] portion of the site.

SITE SETTING

Site 44FX3900 is located [redacted] (see Figures 1.2 and 1.3; Figures 12.1 and 12.2). The site is bounded by negative STPs on all sides. The soil type across the site is Glenelg silt loam (7–15% slopes), which is residuum weathered from mica schist or phyllite (USDA NRCS 2019). Evidence of disturbance (push piles) visible on the surface may be associated with past logging activities.

PHASE II EVALUATION

Shovel Tests

During the Phase II investigation, additional STPs were excavated across the site at 25-ft intervals for a total of 52 combined Phase I and II STPs; only 11 of those additional STPs produced artifacts (Figure 12.3). In general, STPs encountered an A/E/Bt horizon sequence, although there was some variation in regard to depth to the Bt horizon and the E horizon was not present in all STPs (Figure 12.4). The A horizon (0–0.4 ftbs) consisted of dark brown (10YR 3/3) to very dark brown (10YR 2/2) silt loam. In some STPs, the second stratum was a strong brown (7.5YR 5/8) silty clay loam Bt horizon silt loam and in some it was a very pale brown (10YR 7/4) or yellowish brown (10YR 5/4) silty clay loam E horizon (0.4–1.0 ftbs). Stratum II was underlain by a yellowish red (5YR 5/6) silty clay B horizon (1.0–1.6 ftbs). STPs containing the E horizon were scattered across the site and not concentrated in one particular area.

Fourteen STPs produced a total of 48 lithic artifacts—one argillite, two jasper, five quartzite, and 40 quartz. These consist of one Calvert PPK, one Small Savannah River PPK, three biface fragments, three cores, one retouched flake, and 39 flakes. Artifacts were found in the A (*n*=20), E (*n*=15), and B (*n*=13) horizons. In addition, one quartz core and two quartz flakes were found on the surface. Most of the STPs only produced from one to three artifacts each; two STPs, one in the eastern portion and one in the western portion, yielded 11 artifacts each.

Figure 12.1. View of site 44FX3900, facing east.

Figure 12.2. View of site 44FX3900, facing southwest.

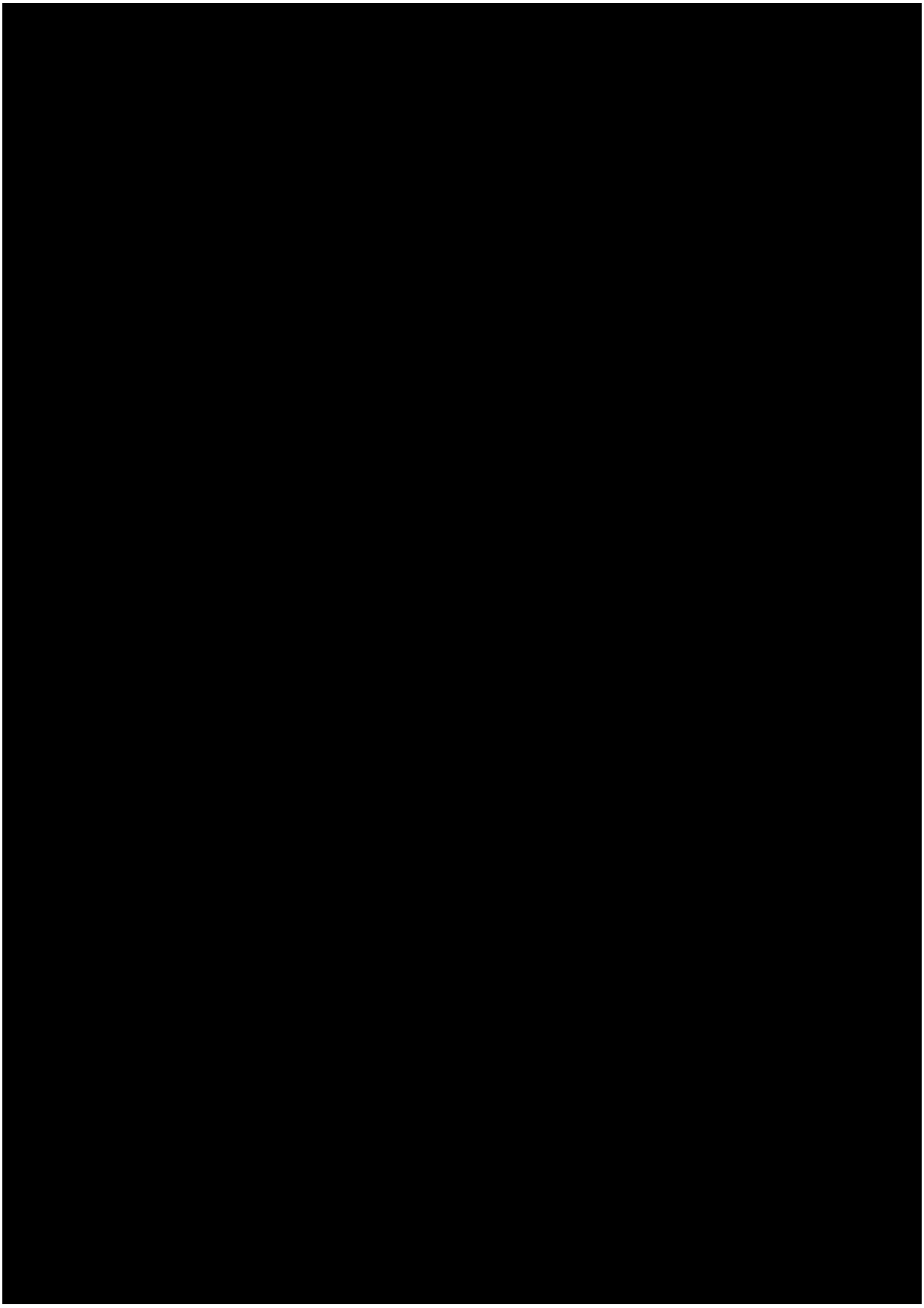

Figure 12.3. Plan map of site 44FX3900.

Figure 12.4. View of typical STP profile on site 44FX3900.

Test Units

Three 3 × 3 ft TUs (12–14) were excavated on site 44FX3900.

Test Unit 12. This unit was placed at N480 E575 (see Figure 12.3). The A horizon (0–0.2 ftbs) was very dark grayish brown (10YR 3/2) silt loam and was underlain by an E horizon (0.2–0.9 ftbs) of yellowish brown (10YR 5/4) silt loam (Figures 12.5 and 12.6). The underlying Bt horizon (0.9–1.2 ftbs) was strong brown (7.5YR 5/6) silty clay. TU 12 produced a total of 12 lithic artifacts, one from the A horizon and 11 from the E horizon. These consist of one biface fragment, 10 pieces of debitage, and one FCR

Test Unit 13. This unit was placed at N450 E450 (see Figure 12.3). The A horizon (0–0.25 ftbs) was dark brown (10YR 3/3) silt loam and was underlain by a B horizon (0.25–0.8 ftbs) of strong brown (7.5YR 5/8) silt loam (Figure 12.7). The underlying Bt horizon (0.8–1.25 ftbs) was yellowish red (5YR 5/8) silty clay. TU 13 produced only three pieces of debitage, one from the A horizon and two from the E horizon.

Test Unit 14. This unit was placed at N475 E528 (see Figure 12.3). The A horizon (0–0.2 ftbs) was grayish brown (10YR 5/2) silt loam and was underlain by an E horizon (0.2–0.7 ftbs) of very pale brown (10YR 7/4) silt loam. The underlying Bt horizon (0.7–0.95 ftbs) was yellow (10YR 7/8) silty clay. TU 14 produced a total of 23 lithic artifacts, all from the E horizon. These consist of a Calvert PPK, a biface fragment, and 21 pieces of debitage.

Figure 12.5. View of north wall profile of TU 12 at site 44FX3900 (board is mislabeled).

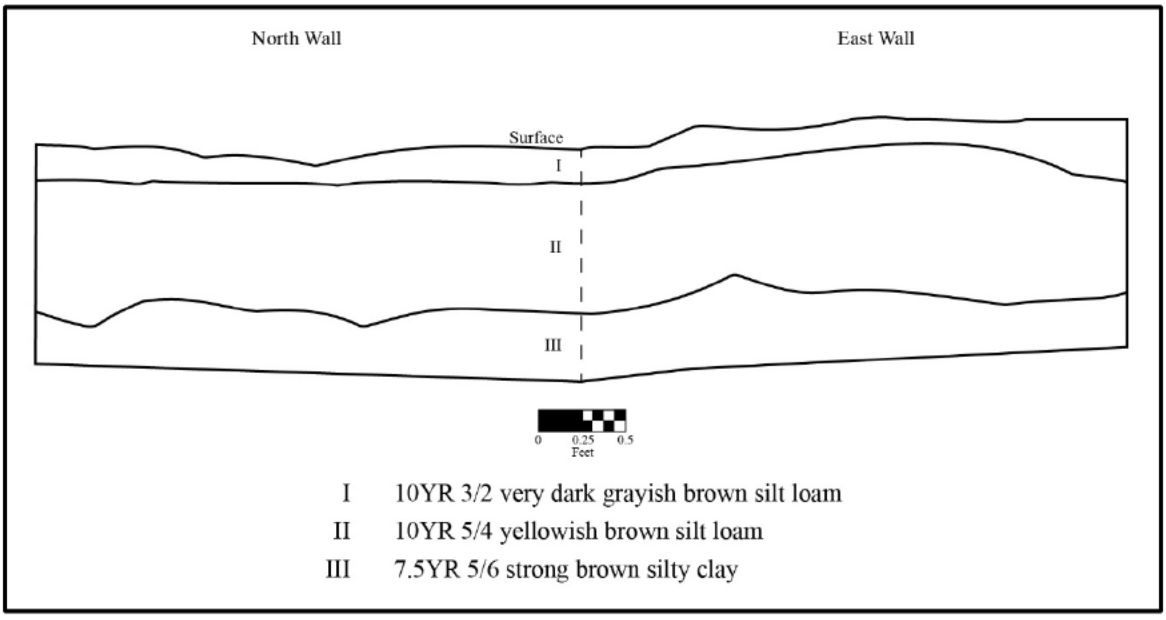

Figure 12.6. Profile drawing of north and east walls of TU 12 at site 44FX3900.

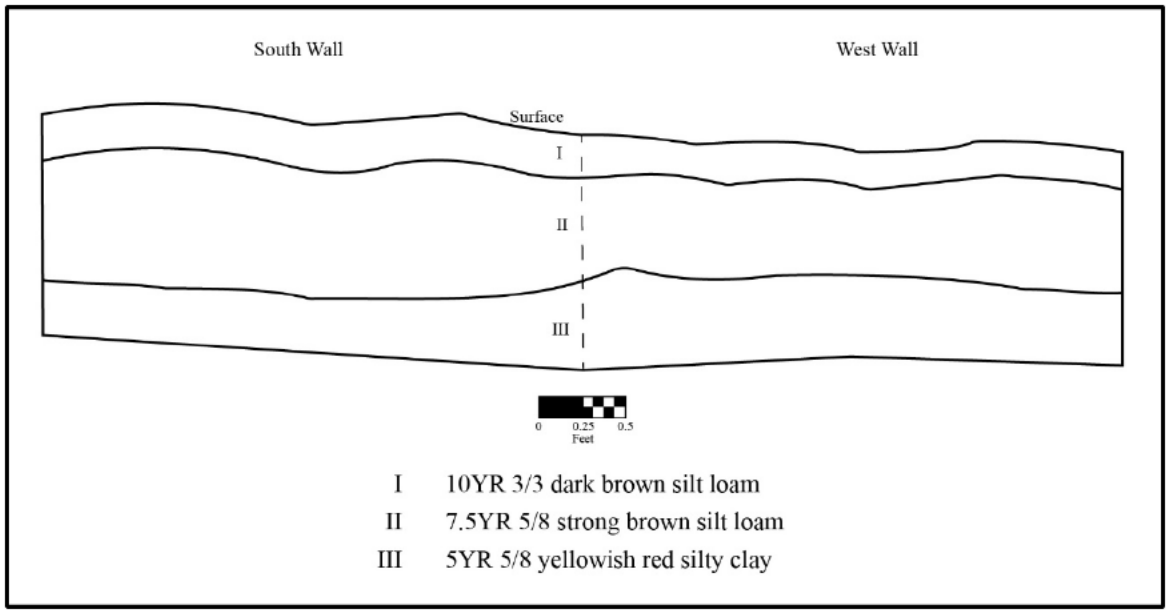

Figure 12.7. Profile drawing of south and west walls of TU 13 at site 44FX3900.

Artifacts

Lithic Artifacts. The combined Phase I and II assemblage from 44FX3900 consists of 89 artifacts, including two Calvert PPKs, a Small Savannah River PPK (in two pieces), five unclassified biface fragments, four cores, one retouched flake, 75 pieces of debitage, and one FCR (Figure 12.8). The two Small Savannah River PPK pieces almost mend, with just a small portion missing, and the distal portion is not as well thinned/finished as the proximal portion; it is likely that this tool broke on a material flaw during construction (Figure 12.8c). The biface fragments are all likely portions of finished or expedient tools (e.g., Figures 12.8e–f). Almost all (82%) of the lithic artifacts are quartz—the remainder are quartzite (*n*=11), rhyolite (*n*=2), jasper (*n*=2), and argillite (*n*=1) (Table 12.1). Almost all of the debitage (89%) is noncortical, with only a few displaying some cortex (*n*=7), and only one displaying more than 50 percent cortex (Table 12.2). As observed at the other sites, a majority of the debitage (91%) is small (0–3 cm), and only seven of the flakes are larger than 3 cm in size.

Artifact Distribution. Vertically, just over half of the artifacts were recovered from the E horizon, which produced three biface fragments, a Calvert PPK, the Small Savannah River PPK, the retouched flake, 42 pieces of debitage, and the FCR (Table 12.3). One Calvert PPK, one core, one biface fragment, and 19 pieces of debitage were found in the A horizon, and two cores, one biface fragment, and 12 pieces of debitage were found in the Bt horizon. Artifacts in the Bt horizon are attributed to bioturbation. Temporally diagnostic artifacts dating to the Early Woodland and Late Archaic periods were found in the E horizon (Table 12.4).

Horizontally, the three PPKs were found in the [redacted] portion of the site, as were four of the five biface fragments and the retouched flake (Figures 12.9–12.11). The cores were scattered across the site but were found in what can be considered the three main concentration areas based on the distribution of the debitage from STPs, although these are all loosely expressed and very low density (Figures 12.12 and 12.13).

Figure 12.8. Representative Tools from site 44FX3900. a–b) quartz Calvert PPK; c) quartzite Small Savannah River PPK; e, f) quartz biface; d) quartzite biface

Table 12.1. Lithic Artifacts from Site 44FX3900 by Material.

Artifact Type	Quartz	Quartzite	Rhyolite	Other	Total
Tools					
Biface, Unid.	3	1	1		**5**
PPK, Calvert	2				**2**
Retouched Flake	1				**1**
PPK, Small Savannah River		1			**1**
Tools Subtotal	*6*	*2*	*1*	*0*	***9***
Debitage					
Core, Exhausted	4				**4**
Flake, Complete	5	1	1	3	**10**
Flake, Fragment	52	7			**59**
Shatter	6				**6**
Debitage Subtotal	*67*	*8*	*1*	*3*	***79***
Other					
Fire Cracked Rock		1			**1**
Other Subtotal	*0*	*1*	*0*	*0*	***1***
Totals	**73**	**11**	**2**	**3**	**89**

Table 12.2. Unmodified Flakes from Site 44FX3900 by Size and Cortex Classes.

Material Type	Cortex Category	<1 cm	1–2 cm	2–3 cm	3–4 cm	4–5 cm	>5 cm	Total
Rhyolite								
	Primary							**0**
	Secondary							**0**
	Tertiary		1					**1**
	Subtotal	*0*	*1*	*0*	*0*	*0*	*0*	***1***
Quartz								
	Primary			1				**1**
	Secondary			2	3			**5**
	Tertiary	7	34	10				**51**
	Subtotal	*7*	*34*	*13*	*3*	*0*	*0*	***57***
Quartzite								
	Primary							**0**
	Secondary				1			**1**
	Tertiary		5	2				**7**
	Subtotal	*0*	*5*	*2*	*1*	*0*	*0*	***8***
Greywacke/Argillite								
	Primary							0
	Secondary							0
	Tertiary		1					**1**
	Subtotal	*0*	*1*	*0*	*0*	*0*	*0*	***1***
Jasper								
	Primary							***0***
	Secondary							***0***
	Tertiary		2					**2**
	Subtotal	*0*	*2*	*0*	*0*	*0*	*0*	***2***
Total								
	Primary	0	0	1	0	0	0	**1**
	Secondary	0	0	2	4	1	0	**7**
	Tertiary	7	43	14	1	1	0	**66**
	Total	**7**	**43**	**17**	**5**	**2**	0	**74**

Table 12.3. Artifacts from Site 44FX3900 by Horizon.

Artifact Type	Surface	A	E	B	Total
Tools					
Biface, Unid.		1	3	1	**5**
Retouched Flake			1		**1**
PPK, Small Savannah River			1		**1**
PPK, Calvert		1	1		**2**
Tools Subtotal	*0*	*2*	*6*	*1*	***9***
Debitage					
Core, Exhausted	1	1		2	**4**
Flake, Complete	1	1	5	3	**10**
Flake, Fragment	1	18	32	8	**59**
Flake, Shatter			5	1	**6**
Debitage Subtotal	*3*	*20*	*42*	*14*	***79***
Other					
Fire Cracked Rock			1		**1**
Other Subtotal	*0*	*0*	*1*	*0*	***1***
Totals	**3**	**22**	**49**	**15**	**89**

Table 12.4. Temporally Diagnostic Artifacts from Site 44FX3900 by Horizon.

Artifact Type	Surface	A	E	Total
PPK, Calvert		1	1	**2**
PPK, Small Savannah River			1	**1**
Totals		**1**	**2**	**3**

SUMMARY AND RECOMMENDATIONS

Site 44FX3900 is a prehistoric site with Late Archaic and Early Woodland deposits [redacted]. The Phase I and Phase II investigations at site 44FX3900 involved the excavation of 52 STPs and three 3 × 3 ft TUs, which generated a total of only 89 lithic artifacts. The artifacts result from an unknown but multiple number of site visits during the prehistoric past and likely reflect general resource extraction activities, particularly stone tool maintenance, game hunting, and possibly stone tool production.

Based on the Phase I and II results, site 44FX3900 represents a low-density prehistoric site characteristic of many in Piedmont settings, with no evidence of substantial artifact concentrations, cultural features, or any other intact aspects of site structure. Site 44FX3900 is unlikely to provide any important information concerning local or regional prehistoric occupations and is recommended not eligible for the NRHP under Criterion D. No further archaeological investigation is recommended at site 44FX3900 in association with this project.

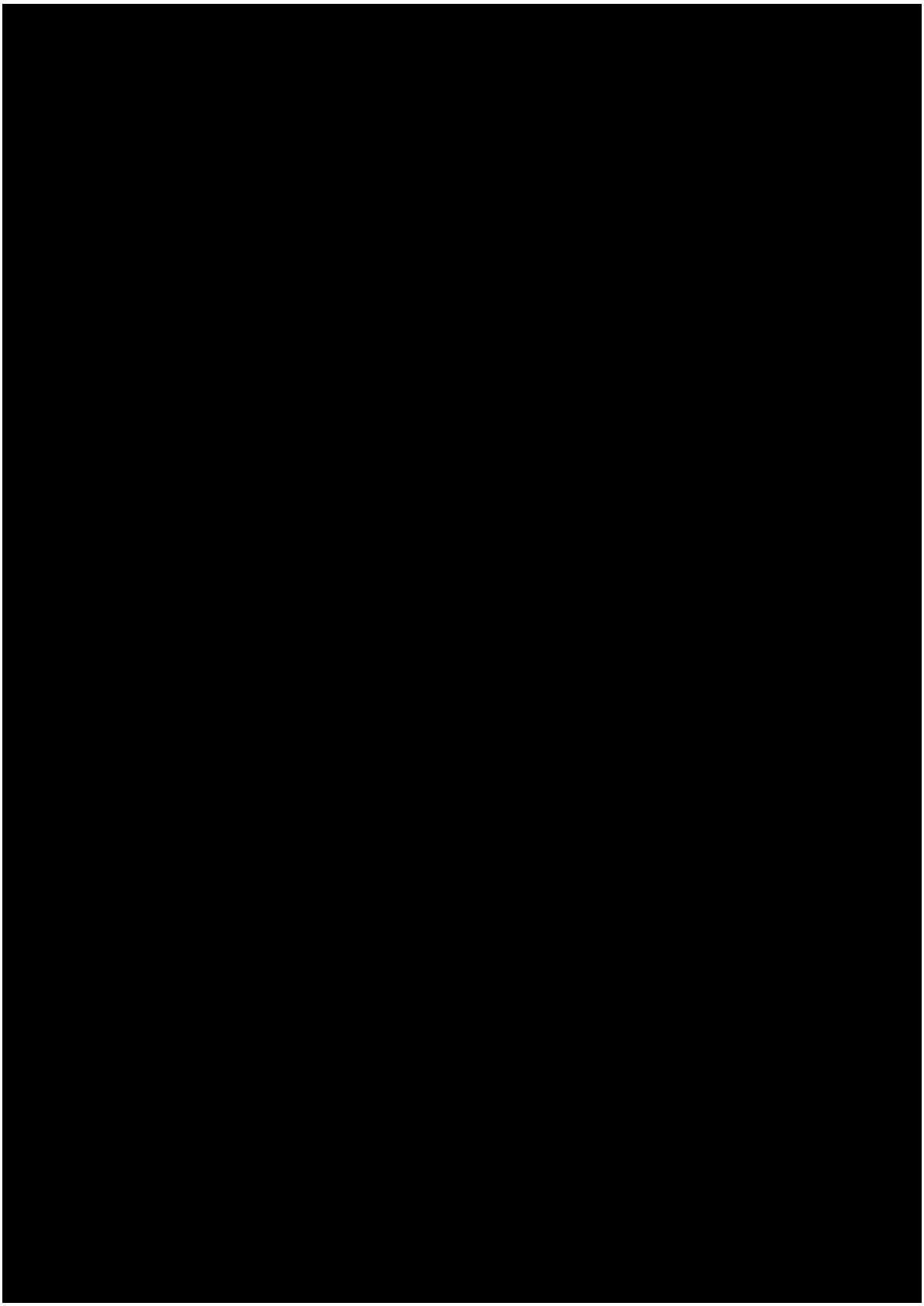

Figure 12.9. PPK density map for site 44FX3900.

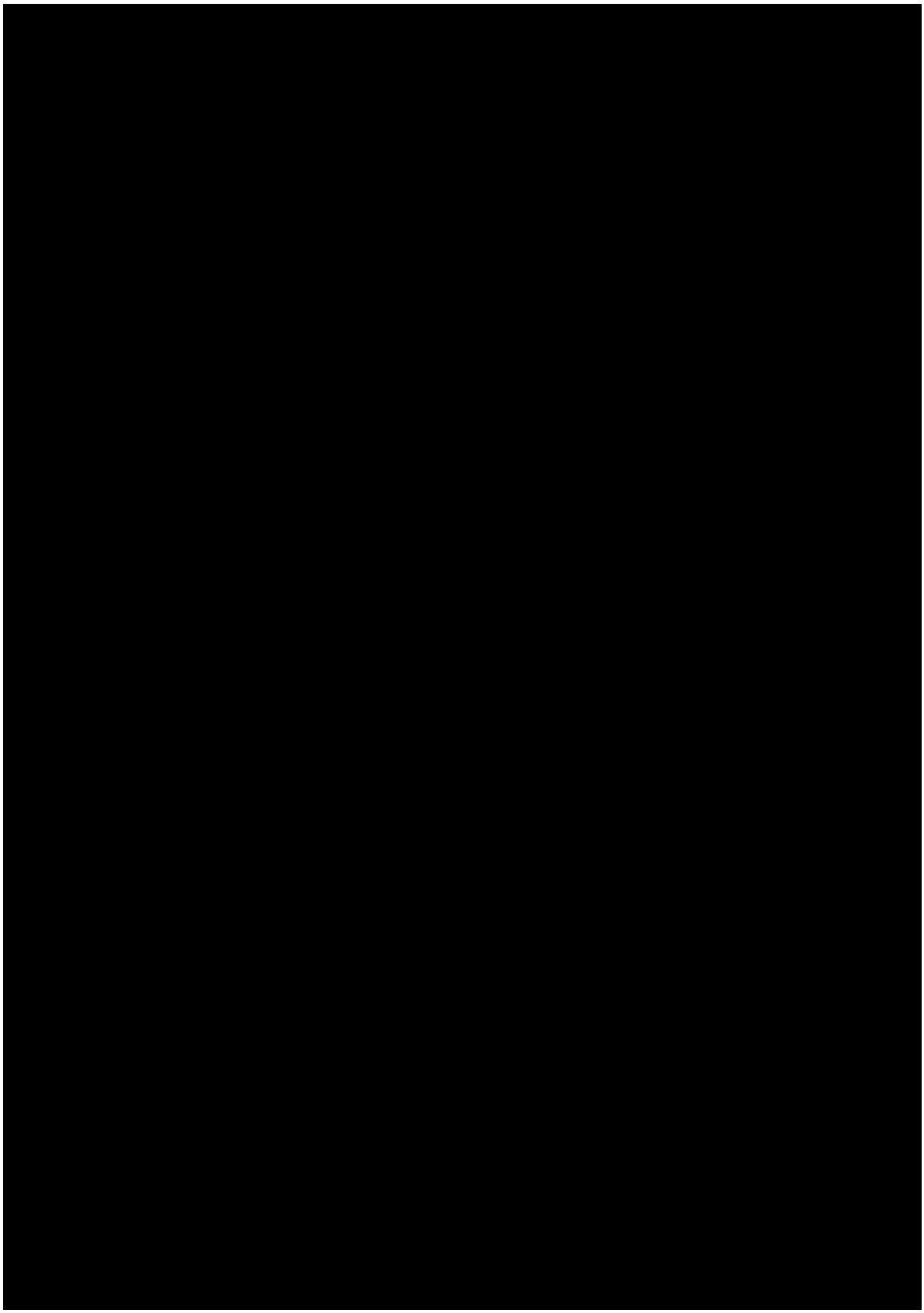

Figure 12.10. Biface density map for site 44FX3900.

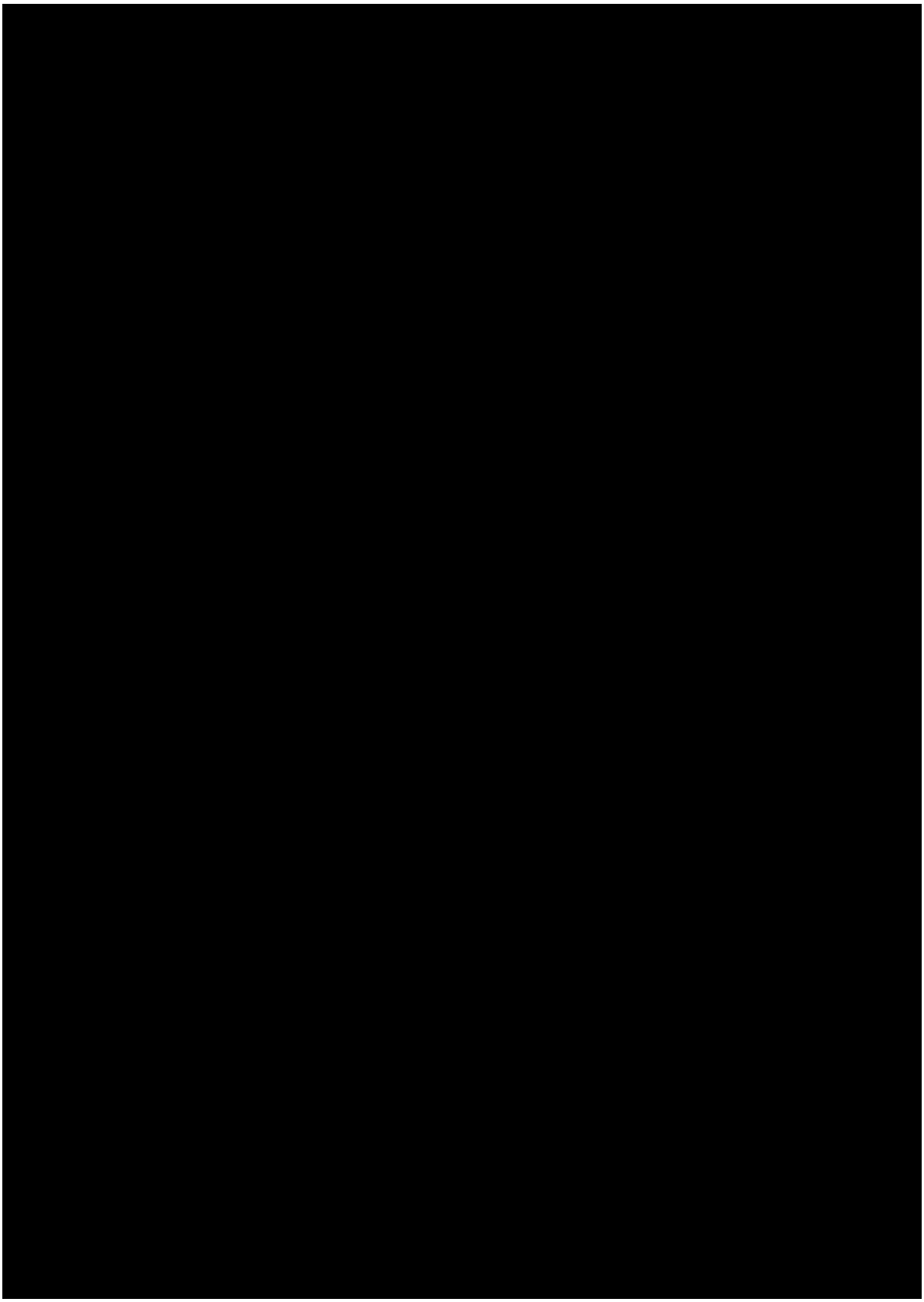

Figure 12.11. Unifacial tool density map for site 44FX3900.

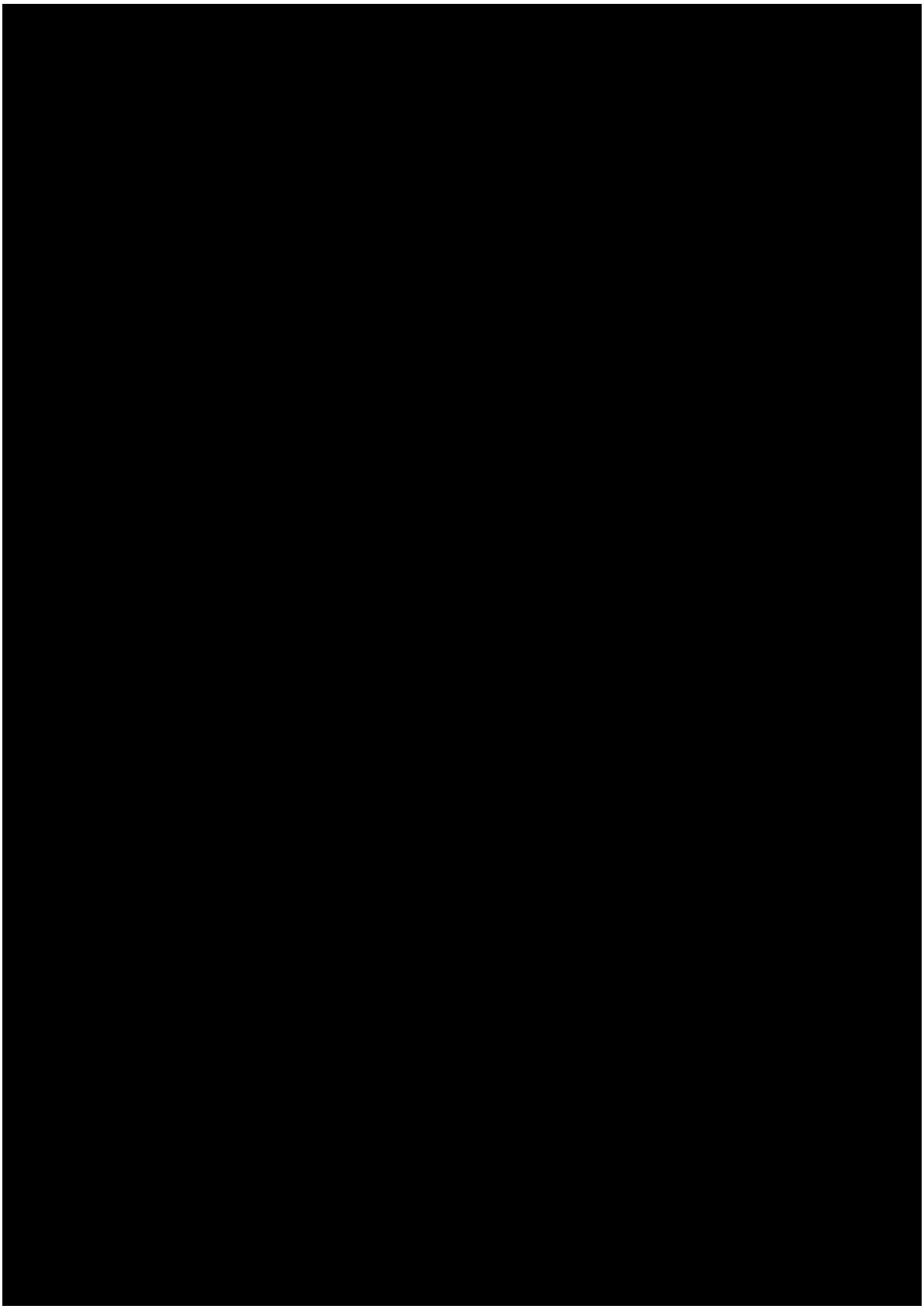

Figure 12.12. Core density map for site 44FX3900.

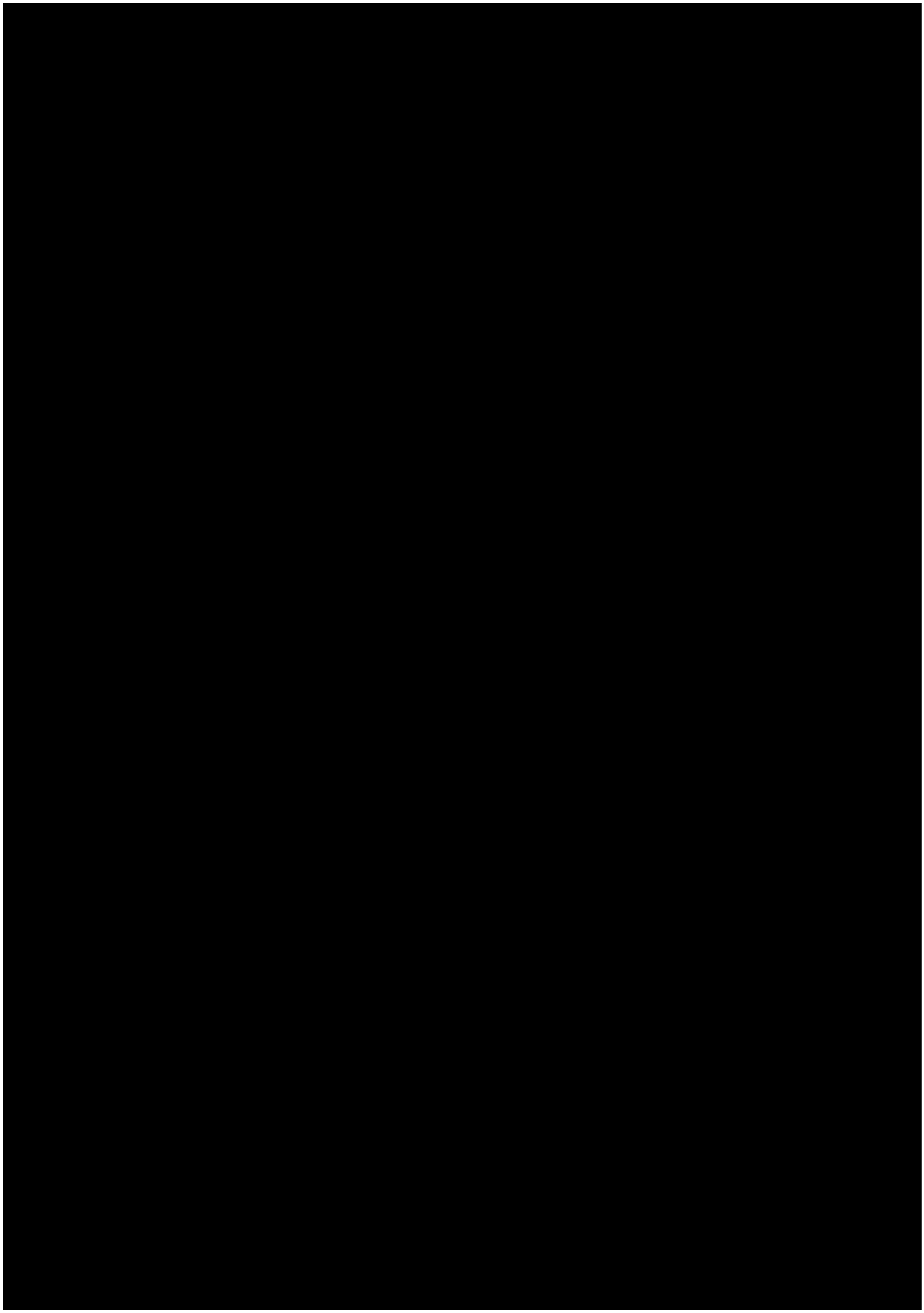

Figure 12.13. STP debitage density map for site 44FX3900.

13. DEAD RUN RIDGES ARCHAEOLOGICAL DISTRICT

SUMMARY OF FINDINGS

The investigations demonstrated a high degree of similarity among the sites examined within the GWMP, relating to site function, occupation periods, and topographic setting, and identified the proposed Dead Run Ridges Archaeological District. Beginning in 1980, with the first professional archaeological investigations in this area by Fairfax County Archaeologist Michael Johnson through the more recent investigations by Raszick and Bedell (2018), researchers have recognized that most of the sites in this area appear to represent components of a suite of associated lithic extraction and reduction activities primarily focused on local quartz outcrops in the area. Prior to the MDOT SHA project work, however, few temporally diagnostic artifacts had been collected and reported from the sites. The MDOT SHA project work recovered temporally diagnostic PPKs from five of the project sites (as well as one isolated find) and prehistoric ceramic artifacts from one of those. These include Late Archaic Clagett, Lamoka, Susquehanna Broadspear, Savannah River, Small Savannah River, and Poplar Island types, Early Woodland Rossville and Calvert types, and the Late Woodland Madison type. Including the isolated find, the project recovered a total of 33 PPKs, 23 of them dating to the Late Archaic period. The current investigation also recovered a variety of unifacial and expedient tools, which, while small in number, represent an additional range of activities conducted at the sites, possibly including floral and/or faunal resource extraction and processing, tool making, or other activities.

Although the findings provide important data regarding the period of use of the area, it presents some complications for interpretation, as most of the sites appear to contain cultural deposits associated with at least two different time periods, and little if any clear separation could be discerned in the spatial data to allow discussions of changes in site function over time. Moreover, triangular projectile points have been identified in stratified, Archaic period contexts (Stewart 1998; cf. Ritchie 1971:121, 127). While there are some differences between Late Archaic and Late Woodland triangles found in secure contexts, there is too much overlap between assemblages of the two periods to confidentially distinguish individual specimens from undated contexts (Katz 2000).

The current investigation recovered a wider range of artifact classes than previous work, such as groundstone artifacts, unifacial tools, expedient tools, and utilized flakes. These include scrapers, gravers, a chopper, a drill, a nutting stone, a mano, and a number of informal tools and utilized flakes. The assemblage diversity that characterizes the sites suggests that activities other than tool production/biface reduction occurred at these locations. Despite their relatively small numbers, these tools may represent an additional range of important on-site activities. Lithic reduction may appear overrepresented in the archaeological record because it can produce large quantities of waste products within a small period of time. The unifacial and informal tools, on the other hand, may reflect processing or extraction activities representing a much greater investment of time than their numbers suggest. No specialized studies of these classes of tools were scoped or conducted as part of this investigation, but such studies could serve as an important aspect of future research.

Despite some variation in assemblage composition among the sites, the investigations suggest that they represent a generally similar range of activities. All sites contain evidence of stone tool production, including debitage, cores, staged bifaces, hammerstones, and finished tools, and all of the assemblages are dominated by quartz, which was presumably acquired from a nearby source or sources. Small quantities of other lithic materials are present. With the exception of site 44FX3900, artifacts tended to be noticeably more concentrated on the interior, more level, portions on those sites that produced higher density collections of lithic debitage (44FX0374, 44FX0379, 44FX0381, and 44FX0389). All of the substantial assemblages recovered from sites investigated by the project contained small quantities of tools reflecting

activities other than quartz reduction, suggestive of general foraging, hunting, and perhaps tool production activities. FCR was also found in small quantities at the two sites from which substantial assemblages were recovered. The tools and FCR, along with the ceramics found at 44FX0374, suggest short term occupations across the landscape. Diagnostic artifacts reflect similar occupation periods; almost 55 percent (18 of 33) of the classifiable PPKs recovered by the project are one of two types, Lamoka and Small Savannah River.

ARCHAEOLOGICAL DISTRICT

As these sites appear to represent a similar and related set of activities in a distinct landscape setting over roughly contemporaneous periods, collectively they meet the NRHP definition of a district, as a "significant concentration, linkage, or continuity of sites, … united historically by … physical development" (USDOI 1991:5). Raszick and Bedell (2018) identified three topographically distinct areas in this portion of the GWMP, with the area containing the project Phase II sites termed the *Dead Run Ridges:* [redacted] This topographical area includes the four substantial sites investigated by the project (44FX0374, 44FX0379, 44FX0381, and 44FX0389), one site that was investigated only at the intensive Phase I level (44FX0373), and several sites not investigated by the project (44FX0227, 44FX0380, and 44FX0390), and is proposed as the Dead Run Ridges Archaeological District (Figure 13.1). Those sites that were investigated appear to be related in primary functions—quartz extraction and reduction, along with evidence of short term occupation, hunting, and general foraging—and to contain similar temporal components—primarily Late Archaic, with some possible or likely Early and Late Woodland occupations. Site 44FX3160, incorporated by default due to its location between other included sites, may represent artifacts redeposited by erosion and slopewash, and is likely a non-contributing element to this District. Site 44FX0373 was not fully evaluated by this project, and its contribution to the potential District cannot be determined. The contributing status of the several sites included in the district but not investigated by this project (44FX0227, 44FX0380, and 44FX0390) also cannot be determined.

Sites 44FX0374 and 44FX0379 retain integrity and notable data potential and are recommended as significant contributing resources to the NRHP eligibility of the Dead Run Ridges Archaeological District under Criterion D. Sites 44FX0373, 44FX0381, and 44FX0389 are not recommended as individually eligible for the NRHP but may be able to contribute important information about prehistoric use of the landscape and are also considered contributing elements of the District. Site 44FX3160, incorporated in the District by default due to its location within the proposed boundary, may represent artifacts redeposited by erosion and slopewash and is considered a non-contributing element to the proposed District. Although it is argued that consideration of the landscape as a whole would provide a more holistic perspective on the environment and precontact use of the area, the non-site portions of the district do not constitute archaeological resources, and are not recommended as a contributing element to the archaeological district.

Site 44FX3900 was excluded from the proposed District boundary because it is situated on level terrain without the deeply incised stream valleys that occur [redacted] of the Parkway, in areas closer to the Potomac River.

Based on the proposed district boundary, following natural terrain features, three additional archaeological sites are included within the proposed district by default, although no investigations were conducted there as part of the project.

Site 44FX0390 is located [redacted]. It lies just outside the LOD. Recorded in 1981 by Johnson on the basis of 13 artifacts collected from the surface, the site is classified as a lithic scatter of unknown prehistoric age. No artifacts were recovered by Dongarra and Harris (2006 Appendix II:11). Two STPs excavated by Raszick and Bedell (2018:47) produced 13 pieces

of quartz debitage, and a core and five additional flakes were recovered from the surface. The site occupies a similar topographic setting and the reported assemblage is not functional distinct from those investigated by this project, according to the limited information available.

Site 44FX0380 is located [redacted] and is another prehistoric lithic scatter of unknown age recorded by Johnson (1981). Artifacts reported by Dongarra and Harris (2006 Appendix II:11) include six quartzite flakes, six quartz flakes, and one piece of shatter. Nineteen STPs excavated apparently by Raszick and Bedell (2018:Appendix P A-8) yielded six quartz flakes, three quartzite flakes, and quartz shatter. Again, limited information about the site indicates that it occupies a similar topographic setting, and may be functionally similar to sites investigated by this project. Unlike the other sites in the proposed district boundary, 44FX0380 has produced comparable quantities of both quartz and quartzite debitage.

Site 44FX0227, the Dead Run Rockshelter site, represents an unusual site type in the local area, being a rockshelter [redacted]. Johnson (1981) noted one core and four quartz flakes at the site, but conducted no testing (Raszick and Bedell 2018:17). A single STP excavated by Raszick and Bedell (2018:42) recovered no artifacts, and they noted the precarious topographic position of the shelter, slopewash, and rockfall as factors limiting the likelihood of finding a substantial artifact assemblage. Although the nature of this rockshelter site is different from the open scatters [redacted], the sparse assemblage is comparable to other sites investigated for this project.

As noted in Chapter 3, numerous other archaeological sites have been recorded within the GWMP outside of the MDOT SHA project area. Many of these sites are prehistoric occupations that may be very similar to the sites proposed for inclusion within the proposed Dead Run Ridges Archaeological District. While it is beyond the scope of this investigation to consider inclusion within the District of other, nearby archaeological resources located in different topographic settings, further research may refine the proposed District boundaries or define additional archaeological districts.

Figure 13.1. Proposed Dead Run Ridges Archaeological District.

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14. CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

TRC Environmental Corporation (TRC) performed a Phase I archaeological survey and Phase II archaeological evaluation of six sites within the NRHP and VLR listed GWMP for the proposed VDOT NEXT and MDOT SHA MLS projects on behalf of MDOT SHA. The LOD for VDOT's NEXT project is fully encompassed by the LOD for MDOT SHA's MLS project, and the survey covered the currently defined LOD for both projects. An intensive Phase I survey was performed on the portion of site 44FX0373 within the LOD and a 150-foot buffer outside of the LOD and Phase II archaeological evaluation was conducted at six sites (44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, and 44FX3900). All project work was conducted in accordance with ARPA permit 19-GWMP-45.

Phase I Survey

Phase I survey of Area 1 involved the excavation of 166 STPs and identified isolated find FS-3 consisting of a Small Savannah River PPK found in an STP between sites 44FX0389 and 44FX3160; recovered 82 lithic artifacts and one whiteware sherd associated with site 44FX0389; and found two possible groundstone tools associated with site 44FX0381. Phase I survey of Area 2 involved the excavation of 159 STPs and identified isolated find FS-2, consisting of a chert flake found in the southwestern edge of this area, and site 44FX3900, which produced 15 artifacts from three STPs and the ground surface. Phase I survey of Area 3 involved the excavation of 54 STPs and recovered 15 lithic flakes associated with site 44FX0377; no cultural material was found within the LOD in the vicinity of sites 44FX0322 and 44FX0326.

Intensive Phase I

The intensive Phase I investigation at site 44FX0373 included the excavation of 59 STPs and one 3 × 3 ft TU, which generated a total of only 19 nondiagnostic lithic artifacts. Based on the project data, the portion of site 44FX0373 within the LOD and buffer represents a low-density prehistoric period artifact deposit and there is no evidence of meaningful artifact concentrations, cultural features, or any other intact aspects of site structure. The project investigations were not sufficient to characterize the site in its entirety or to evaluate the NRHP eligibility of the site as a whole, however, and it is possible that more diverse artifact types, substantial deposits, patterned distributions, and/or cultural features are present outside of the investigated area.

Phase II Evaluations

The Phase II investigation of site 44FX0374 involved the excavation of 78 STPs and five TUs resulting in the recovery of a total of 2,184 lithic and six ceramic artifacts. In general, the artifact assemblage reflects foraging-related activities, focused on stone tool production and replacement, although the assemblage diversity is higher than some of the other sites investigated during this study, suggesting that at least some site visits involved other resource procurement and processing activities, as well as short term occupation. Temporally diagnostic artifacts indicate visits to the site during the Late Archaic, Early Woodland, and Late Woodland periods. There is no clear indication of vertically or horizontally discrete deposits by time period, although there are several apparent substantial concentrations of artifacts and some potential for the presence of cultural features as indicated by the recovery of ceramics, a nutting stone, and fire cracked rocks.

The Phase II investigation of site 44FX0379 involved the excavation of 295 STPs and seven TUs resulting in the recovery of a total of one historic and 1,829 prehistoric lithic artifacts. The lithic assemblage is

characterized by a relatively low diversity of artifact types, in general reflecting a focus on stone tool production and replacement activities. Temporally diagnostic artifacts indicate visits to the site during the Late Archaic and Early Woodland periods. There is no clear indication of vertically discrete deposits by time period, although there is some potential for horizontally discrete activity areas and there are several substantial concentrations of artifacts.

The Phase II investigation of site 44FX0381 involved the excavation of 104 STPs and two TUs resulting in the recovery of a total of 163 lithic artifacts. The assemblage diversity is marginally higher than some of the other sites investigated during this study with the inclusion of a drill, a hammerstone, and possibly a mano, but is still relatively low, suggesting that most visits to the site involved a similar, limited set of lithic reduction activities. Temporally diagnostic artifacts indicate occupations in the Late Archaic and Late Woodland periods. There is no indication of vertical sorting of material by time period, artifacts are distributed at a low density and are relatively dispersed across the area with no apparent substantial concentrations, and most artifacts were found off the crest of the ridge, which is consistent more with artifact displacement from erosion than with intact artifact deposits.

The Phase II investigation of site 44FX0389 involved the excavation of 185 STPs and four TUs resulting in the recovery of five historic and 694 prehistoric lithic artifacts. Site 44FX0389 contains Late Archaic, Early Woodland, and Late Woodland deposits, and the assemblage reflects stone tool maintenance and production, as well as game hunting. The stone tool assemblage is marginally more diverse than some of the other sites investigated during this study, with the inclusion of two gravers, three scrapers, and a chopper and indicates that other resource extractive and processing activities occurred during at least some of the occupations. There are no apparent substantial concentrations of artifacts and no evidence of cultural features. Much of this site has been impacted by the construction of unimproved roads between 1951 and 1957.

Phase II investigation at site 44FX3160 consisted of the excavation of nine STPs and one 3 × 3 ft TU, resulting in the recovery of just a single nondiagnostic prehistoric period artifact from what is likely historic colluvium. Including previous work on the site, site 44FX3160 has produced a modest number of nondiagnostic lithic artifacts and given the setting, it is not clear if the prehistoric artifacts found on site 44FX3160 are attributable to activities that occurred at this location in the prehistoric past, or if these artifacts are the result of redeposition through slope wash or through activities associated with logging or road construction.

The Phase I and Phase II investigations at site 44FX3900 involved the excavation of 52 STPs and three 3 × 3 ft TUs, which generated a total of only 89 lithic artifacts. The artifacts result from an unknown but multiple number of site visits during at least the Late Archaic and Early Woodland periods and likely reflect general resource extraction activities, particularly stone tool maintenance, game hunting, and possibly stone tool production. Based on the Phase I and II results, site 44FX3900 represents a low-density prehistoric site characteristic of many in Piedmont settings, with no evidence of substantial artifact concentrations, cultural features, or any other intact aspects of site structure.

Dead Run Ridges Archaeological District

The Phase I and II investigations at the George Washington Memorial Parkway explored a series of archaeological sites situated [redacted], and identified a very similar range of archaeological resources situated [redacted] throughout the area. As defined by Raszick and Bedell (2018), the Dead Run Ridges topographic region runs [redacted]. [redacted] of the Parkway, the terrain is dissimilar, being flatter and less dissected. The steep gorge formed by [redacted] forms the [redacted] boundary. The modern roadcut of I-495 today bounds the area on the [redacted], marking the boundary of the NPS administrative unit.

Before construction of the Capital Beltway, two smaller, less deeply incised streams ran through the current alignment of I-495, although the steep, ridge-and-valley terrain continued farther to the [redacted].

MDOT SHA proposes establishment of the Dead Run Ridges Archaeological District to encompass the tested archaeological resources located between [redacted]. The archaeological investigations suggest that, despite some variation in assemblage composition among the sites, the investigated sites represent similar functional types occupied mostly during the Late Archaic period and extending into the Early Woodland period, with Late Woodland period components identified at two sites. All sites contain evidence of stone tool production, including debitage, cores, staged bifaces, hammerstones, and finished tools, and all of the assemblages are dominated by quartz, which was presumably acquired from a nearby source or sources. At each of the four more substantial sites, artifact distributions show a similar use of the interior, more level, portions of the landforms. As these sites appear to represent a related set of activities in a distinct landscape setting over roughly contemporaneous periods, collectively they are considered to be part of an archaeological district, termed the Dead Run Ridges Archaeological District after Raszick and Bedell's (2018) topographical designation for this area.

The proposed archaeological district encompasses six sites investigated by the project (44FX0373, 44FX0374, 44FX0379, 44FX0381, 44FX0389, and 44FX3160) as well as three nearby sites not investigated by the project (44FX0227, 44FX0380, and 44FX0390). Together the investigated resources appear to be related in primary function—quartz extraction and reduction—and to contain similar temporal components—primarily Late Archaic, with some Early and Late Woodland occupations. Site 44FX3160, incorporated in the district by default due to its location within the proposed boundary, may represent artifacts redeposited by erosion and slopewash and is considered a non-contributing element to this District.

RECOMMENDATIONS

The Phase I survey does not show that the MLS project LOD contains substantial or intact portions of sites 44FX0322, 44FX0326, or 44FX0377, and no additional investigation is recommended for the project LOD. The NRHP eligibility of the three sites has not been evaluated by this study.

Further assessment would also be necessary to fully evaluate the NRHP eligibility of site 44FX0373, but the Intensive Phase I investigation provides ample information about the [redacted] portion of the site. The MLS undertaking would not affect significant archaeological deposits associated with site 44FX0373. No additional archaeological investigation is recommended for the portion of the site within the LOD and buffer. However, while no determination of individual eligibility can be offered at this time, the site is included within the boundary of the proposed Dead Run Ridges Archaeological District and may be able to contribute important information about prehistoric use of the landscape and is recommended as a contributing element to the proposed District.

Site 44FX3160 may represent redeposited material and is unlikely to provide important information concerning local or regional prehistoric occupations. This site is recommended not eligible for the NRHP under Criterion D, and also appears to lack the characteristics that would make it eligible under Criteria A, B, or C. Consequently, no further archaeological investigation is recommended for this site. Site 44FX3160 is recommended as a non-contributing element to the proposed Dead Run Ridges Archaeological District.

Site 44FX3900 is characterized by a low density of cultural material and is unlikely to provide important information concerning local or regional prehistoric occupations. This site is recommended not eligible for the NRHP under Criterion D and also appears to lack the characteristics that would make it eligible under Criteria A, B, or C. It is not recommended for inclusion within the boundary of the proposed Dead Run Ridges Archaeological District based on differences in its topographic setting.

Site 44FX0374 contains a relatively large, diverse assemblage and produced diagnostic materials and a variety of tools aside from PPKs, although there was no evidence of stratigraphic integrity. The assemblage reflects resource procurement and processing activities, including lithic reduction. The presence of PPKs, FCR, a nutting stone, prehistoric ceramics apparently representing two distinct ware types, as well as scrapers and informal flake tools, suggests that the site was the locus of hunting, foraging, and occasional short-term occupation. Site 44FX0374 has the potential to provide important information concerning local or regional prehistoric period occupations and is recommended as a contributing element to the proposed Dead Run Ridges Archaeological District.

Site 44FX0379 also contains a large, although less diverse, assemblage. It was [redacted] by construction of the Parkway, which destroyed a portion of the site. There is no clear indication of stratigraphic integrity, although there are several substantial concentrations of artifacts suggesting some potential for horizontally discrete activity areas. Site 44FX0379 has the potential to provide significant or new information concerning local or regional prehistoric period occupations and is recommended as a contributing element to the proposed Dead Run Ridges Archaeological District under NRHP Criterion D.

Site 44FX0381 produced a significantly smaller assemblage than the sites discussed above, although informal tools comprise the largest proportion of the assemblage relative to the other investigated sites. No substantial artifact concentrations were noted, and there was no evidence of cultural features. There is no indication of vertical sorting of material by time period, and most artifacts were found off the crest of the ridge, which may reflect settlement preferences but also is consistent with artifact displacement from erosion. No FCR was recovered, suggesting a limited range of activities was conducted at the site, with no evidence of even short term occupation. Site 44FX0381 is not believed to be individually eligible for the NRHP under Criterion D; however, the site may be able to contribute important information about prehistoric use of the landscape and is recommended as a contributing element to the proposed District.

Site 44FX0389 contains a moderately large and diverse assemblage and produced diagnostic materials and a variety of tools aside from PPKs. Eight PPKs were recovered, ranging from Late Archaic through Late Woodland period in age. Recovered artifacts represent general resource extraction activities, including hunting and foraging as well as stone tool maintenance and production. However, there is no vertical or horizontal differentiation between components; and artifacts resulting from different component occupations are mixed in the bioturbated E horizon. Moreover, much of the site has been impacted by the construction of unimproved roads between 1951 and 1957. Therefore, site 44FX0389 is not believed to be individually eligible for the NRHP under Criterion D; however, based on the diversity of the assemblage and relatively large number of formal and informal tools, the site may be able to contribute important information about prehistoric use of the landscape and is recommended as a contributing element to the proposed District.

In summary, sites 44FX0374 and 44FX0379 are recommended as contributing elements of the District due to their significant data potential. Sites 44FX0373, 44FX0381, and 44FX0389 are not recommended as individually eligible for the NRHP but are recommended as contributing elements of the District. Site 44FX3160 is recommended as not individually eligible for the NRHP and as a non-contributing element to the proposed District. Site 44FX3900 was excluded from the proposed District boundary and is recommended as not eligible for the NRHP. Non-site portions of the district are not recommended as contributing elements to the archaeological district, although the topographic and geomorphological features constitute the district's setting and may have some interpretive potential for specialized analysis related to the district such as paleoenvironmental reconstruction.

Site 44FX0373 was not evaluated by this project, and its contribution to the potential District cannot be determined. The contributing status of the several sites included in the district but not investigated by this project (44FX0227, 44FX0380, and 44FX0390) also cannot be determined.

The MLS project LOD does not contain substantial or intact portions of sites 44FX0322, 44FX0326, or 44FX0377, and no additional investigation is recommended for this project. The NRHP eligibility of the three sites has not been evaluated .

While the investigation concluded that 44FX0374 and 44FX0379 are significant contributing resources to the Dead Run Ridges Archaeological district, and that all recorded archaeological sites located on the Dead Run Ridges landform should be considered to be elements of an NRHP eligible archaeological district, the potential eligibility of these resources is based chiefly on their ability to provide information important in prehistory in the aggregate. There is no indication that either the individual archaeological sites, or the proposed Dead Run Ridges Archaeological District, warrant preservation in place. Mitigation efforts should be accomplished chiefly through data recovery investigations, together with other appropriate measures such as public interpretation of the results of investigations. Avoidance and/or minimization measures should also be considered.

RECOMMENDED TREATMENT

MDOT SHA's MLS Study would impact archaeological resources within the proposed NRHP-eligible Dead Run Ridges Archaeological District. Traditional site treatment options (Phase III data recovery), which would focus investigations only on individually eligible archaeological resources, could be structured to recover important information from those sites, but such an investigation would be unable to compare and contrast subtle variability among the sites, or explore how the occupants utilized the landscape. Instead, by treating the sites as an integrated whole within the archaeological district concept, additional research could be structured to examine a greater range of archaeological resources that may be impacted by the proposed MLS undertaking, and could be structured to investigate the wider local cultural environment and landscape. Phase III data recovery could be designed to provide a more flexible approach that would include examination of the range of Late Archaic and Woodland period archaeological resources within the proposed Dead Run Ridges Archaeological District. It is recommended that future investigations include limited, strategically placed larger block units, smaller blocks, trenches, or individual test units, and specialized studies designed to produce information regarding lithic tool use and the collection of environmental data.

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APPENDIX 1

ARTIFACT CATALOGS

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0373	165	1/4"	stp		925	900	E		II	0.6-0.9	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	red white	smooth	
44FX0373	165	1/4"	stp		925	900	E		II	0.6-0.9	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	chert	gray	translucent	
44FX0373	166	1/4"	stp		950	900	A		I	0-0.4	1	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	166	1/4"	stp		950	900	A		I	0-0.4	1	2		lithic	debitage	tertiary	shatter	quartz	white	streaked	
44FX0373	167	1/4"	stp		950	925	E		II	0.5-1.1	1	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0373	168	surf	surf		950	950	surf		surf	0-0	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	169	1/4"	stp		1150	950	B		II	0.6-1.3	1	2.9	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0373	170	1/4"	stp		950	975	A		I	0-0.3	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	171	1/4"	stp		1000	1000	A		I	0-0.3	1	61.7	>5	lithic	debitage	secondary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0373	172	1/4"	stp		1025	1000	B		II	0.3-0.5	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	173	1/4"	stp		1000	1025	A		I	0-0.3	1	59	>5	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0373	174	1/4"	stp		1100	1025	A		I	0-0.5	1	1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0373	175	1/4"	stp		1025	1050	A		I	0-0.3	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0373	176	1/4"	stp		1100	1075	B		II	0.4-0.8	1	6.4	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0373	176	1/4"	stp		1100	1075	B		II	0.4-0.8	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	177	1/4"	stp		1050	1100	A		I	0-0.6	1	2.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	178	1/4"	stp		1125	1100	A		I	0-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0373	178	1/4"	stp		1125	1100	A		I	0-0.4	1	2.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	smooth	
44FX0373	549	1/4"	tu	11	1011	1024	A	1	I	0-0.25	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	210	surf	surf		2900	3000	surf		surf	0-0	1	3.7	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	streaked	
44FX0374	210	surf	surf		2900	3000	surf		surf	0-0	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	210	surf	surf		2900	3000	surf		surf	0-0	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	211	1/4"	stp		2900	3000	A		I	0-0.4	1	4.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	211	1/4"	stp		2900	3000	A		I	0-0.4	1	5.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	211	1/4"	stp		2900	3000	A		I	0-0.4	9	4.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	211	1/4"	stp		2900	3000	A		I	0-0.4	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	211	1/4"	stp		2900	3000	A		I	0-0.4	2	7.9		lithic	debitage	secondary	shatter	quartz	gray	grainy	
44FX0374	212	1/4"	stp		2900	3000	A2		V	1.5-1.9	1	2.5	2-3	lithic	tool	tertiary	retouched flake, fragment	quartz	white	grainy	unifacial retouch along all margins
44FX0374	212	1/4"	stp		2900	3000	A2		V	1.5-1.9	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	205	1/4"	stp		2900	3025	A		I	0-0.6	3	1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	205	1/4"	stp		2900	3025	A		I	0-0.6	3	5.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	206	1/4"	stp		2900	3025	B		II	0.6-1.2	6	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	534	1/4"	stp		2915	2990	A		I	0-0.55	1	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	204	1/4"	stp		2925	3025	A		I	0-0.3	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	204	1/4"	stp		2925	3025	A		I	0-0.3	1	3.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	204	1/4"	stp		2925	3025	A		I	0-0.3	4	2.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	204	1/4"	stp		2925	3025	A		I	0-0.3	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	204	1/4"	stp		2925	3025	A		I	0-0.3	1	37.7	>5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0374	204	1/4"	stp		2925	3025	A		I	0-0.3	1	15.7	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	milky	amorphous/multidirectional
44FX0374	202	1/4"	stp		2950	3025	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	202	1/4"	stp		2950	3025	A		I	0-0.4	1	5.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	203	1/4"	stp		2950	3025	E		II	0.4-0.9	1	6.2	3-4	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch along distal margin. Well worn
44FX0374	203	1/4"	stp		2950	3025	E		II	0.4-0.9	1	6.1	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	228	1/4"	stp		2975	2950	A		I	0-0.4	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	186	1/4"	stp		3000	2975	A		I	0-0.6	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	187	1/4"	stp		3000	2975	E		II	0.5-1.6	1	10.6	3-4	lithic	tool	tertiary	side scraper, type IIb	quartz	white	grainy	bifacial
44FX0374	188	1/4"	stp		3025	2975	A		I	0-0.3	1	1.2	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	188	1/4"	stp		3025	2975	A		I	0-0.3	1	6.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	179	surf	surf		3025	3000	surf		surf	0-0	1	0.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	179	surf	surf		3025	3000	surf		surf	0-0	2	1.4	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	180	1/4"	stp		3025	3000	A		I	0-0.3	1	2.3	2-3	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch to distal margin

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	180	1/4"	stp		3025	3000	A		I	0-0.3	3	8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	180	1/4"	stp		3025	3000	A		I	0-0.3	7	12	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	180	1/4"	stp		3025	3000	A		I	0-0.3	6	4.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	180	1/4"	stp		3025	3000	A		I	0-0.3	6	0.8	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	180	1/4"	stp		3025	3000	A		I	0-0.3	1	1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	181	1/4"	stp		3025	3000	E		II	0.3-0.9	1	1.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	181	1/4"	stp		3025	3000	E		II	0.3-0.9	1	0.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	181	1/4"	stp		3025	3000	E		II	0.3-0.9	4	2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	181	1/4"	stp		3025	3000	E		II	0.3-0.9	1	13.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	523	1/4"	stp		3050	2950	A		I	0-0.25	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	213	1/4"	stp		3050	2975	E		II	0.5-0.9	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	182	surf	surf		3050	3000	surf		surf	0-0	1	3.5	2-3	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section, proximal fragment
44FX0374	229	1/4"	stp		3075	2950	A		I	0-0.3	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	229	1/4"	stp		3075	2950	A		I	0-0.3	1	1.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	229	1/4"	stp		3075	2950	A		I	0-0.3	3	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	230	1/4"	stp		3075	2950	E		II	0.3-0.9	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	214	1/4"	stp		3075	2975	A		I	0-0.5	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	183	1/4"	stp		3075	3000	A		I	0-0.4	1	1.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	199	1/4"	stp		3075	3025	A		I	0-0.5	1	0.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	streaked	
44FX0374	199	1/4"	stp		3075	3025	A		I	0-0.5	1	2.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	200	1/4"	stp		3075	3025	E		II	0.5-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	200	1/4"	stp		3075	3025	E		II	0.5-1.2	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	201	surf	surf		3075	3025	surf		surf	0-0	1	1.7	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	201	surf	surf		3075	3025	surf		surf	0-0	1	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	201	surf	surf		3075	3025	surf		surf	0-0	1	6.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	524	1/4"	stp		3075	3050	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	524	1/4"	stp		3075	3050	A		I	0-0.4	3	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	524	1/4"	stp		3075	3050	A		I	0-0.4	1	2.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0374	524	1/4"	stp		3075	3050	A		I	0-0.4	26	11.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	524	1/4"	stp		3075	3050	A		I	0-0.4	1	2.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	249	surf	surf		3100	2925	surf		surf	0-0	1	12.5	3-4	lithic	tool	complete	side scraper, stage IV	quartz	white	grainy	bifacial, 39.6mm long, 26.9mm wide, and 9.9mm thick
44FX0374	249	surf	surf		3100	2925	surf		surf	0-0	1	8.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	249	surf	surf		3100	2925	surf		surf	0-0	1	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	249	surf	surf		3100	2925	surf		surf	0-0	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	250	1/4"	stp		3100	2925	A		I	0-0.3	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	250	1/4"	stp		3100	2925	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	250	1/4"	stp		3100	2925	A		I	0-0.3	1	34.7	4-5	lithic	debitage	secondary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0374	250	1/4"	stp		3100	2925	A		I	0-0.3	1	10.5		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	251	1/4"	stp		3100	2925	E		II	0.3-0.9	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	251	1/4"	stp		3100	2925	E		II	0.3-0.9	1	2.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	7.7	3-4	lithic	tool	complete	ppk, Small Savannah River	quartz	white	grainy	biconvex x-section. Convexed symmetrical blade margins. 39mm long, 23.2 wide, 9.8mm thick. Stem 14.7mm long, 20-10.8mm wide.
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	2.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	4	2.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	2	10.8	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	8	13.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	3.4	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	1.4	2-3	lithic	debitage	primary	flake, fragment	quartz	white	grainy	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	20	12.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	3.6		lithic	debitage	secondary	shatter	quartz	gray	grainy	
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	1	3.8	2-3	lithic	tool	fragment	ppk, Savannah River	quartz	white	grainy	biconvex x-section, stem and shoulder
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	7.2	3-4	lithic	tool	complete	biface, early stage	quartz	white	grainy	biconvex x-section, ovate form
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	4.5	3-4	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch along distal margin
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	3.9	3-4	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch along distal margin
44FX0374	231	surf	surf		3100	2950	surf		surf	0-0	1	2.4	2-3	lithic	tool	tertiary	utilized flake, complete	quartz	white	grainy	wear and polishing to distal margin
44FX0374	232	1/4"	stp		3100	2950	A		I	0-0.4	3	1.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	232	1/4"	stp		3100	2950	A		I	0-0.4	6	0.9	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	232	1/4"	stp		3100	2950	A		I	0-0.4	1	5.2	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	232	1/4"	stp		3100	2950	A		I	0-0.4	9	10.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	232	1/4"	stp		3100	2950	A		I	0-0.4	23	7.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	232	1/4"	stp		3100	2950	A		I	0-0.4	1	1.5		lithic	debitage	secondary	shatter	quartz	white	smooth	
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	1	2.3	2-3	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, distal
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	2	0.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	2	0.3	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	17	10.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	233	1/4"	stp		3100	2950	A		I	0.4-1.1	9	1.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	190	surf	surf		3100	2975	surf		surf	0-0	1	11	2-4	ceramic	sherd	body	unclassified sherd	n/a	fine sand	eroded	
44FX0374	215	surf	surf		3100	2975	surf		surf	0-0	1	4	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	1	1.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	2	0.2	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	4	5.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	12	4.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	216	1/4"	stp		3100	2975	A		I	0-0.3	2	1.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	217	1/4"	stp		3100	2975	E		II	0.3-0.8	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	217	1/4"	stp		3100	2975	E		II	0.3-0.8	3	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	217	1/4"	stp		3100	2975	E		II	0.3-0.8	17	6.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	217	1/4"	stp		3100	2975	E		II	0.3-0.8	3	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	264	surf	surf	10ft NE	3100	2975	surf		surf	0-0	1	1.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	184	1/4"	stp		3100	3000	A		I	0-0.5	1	9.8	4-5	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	198	1/4"	stp		3100	3025	E		II	0.3-1.0	1	14.7	4-6	ceramic	sherd	body	unclassified sherd	n/a	fine sand	eroded	
44FX0374	198	1/4"	stp		3100	3025	E		II	0.3-1.0	4	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	266	surf	surf	near	3100	3025	surf		surf	0-0	1	33.6	>5	lithic	tool	complete	biface, early stage	quartz	white	grainy	biconvex x-section, coarse. 61.6mm long, 33.3mm wide, and 21.1mm thick
44FX0374	525	1/4"	stp		3100	3075	A		I	0-1.0	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	1	2.4	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	4	2.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	4	7.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	3	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	23	12.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	1	1.1	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0374	526	1/4"	tu	8	3121	3023	A	1	I	0-0.1	1	2.9		lithic	debitage	secondary	shatter	quartz	red white		
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	2	6.2	2-4	ceramic	sherd	body	unclassified sherd	n/a	fine sand	eroded	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	1.9	2-4	ceramic	sherd	body	unclassified sherd	n/a	shell (voids) and coarse sa	eroded	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	5.9	4-5	lithic	debitage	tertiary	flake, complete	quartzite	red yellow		
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	2	2.2	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	4	1.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	2	36.9	4-5	lithic	debitage	secondary	flake, fragment	quartzite	gray		

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	4.8	3-4	lithic	debitage	secondary	flake, fragment	quartzite	grayish white		
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	4.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	10	21.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	46	20	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	smooth	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	argillite	reddish brown		
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	argillite	reddish brown		
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	11	2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	plagioclase porphyritic	
44FX0374	527	1/4"	tu	8	3121	3023	E	2	II	0.1-0.35	1	17.7		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	1	2.9	2-4	ceramic	sherd	body	unclassified sherd	n/a	shell (voids) and coarse sa	eroded	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	3	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	1	8.6	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	15	6.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	3	0.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	528	1/4"	tu	8	3121	3023	E	3	II	0.35-0.60	2	5.3		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0374	529	1/4"	tu	8	3121	3023	E	4	II	0.6-0.85	4	3.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	529	1/4"	tu	8	3121	3023	E	4	II	0.6-0.85	1	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	529	1/4"	tu	8	3121	3023	E	4	II	0.6-0.85	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	plagioclase porphyritic	
44FX0374	261	surf	surf		3125	2900	surf		surf	0-0	1	4.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	252	surf	surf		3125	2925	surf		surf	0-0	1	3.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	252	surf	surf		3125	2925	surf		surf	0-0	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	253	1/4"	stp		3125	2925	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	254	1/4"	stp		3125	2925	E		II	0.3-0.9	3	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	254	1/4"	stp		3125	2925	E		II	0.3-0.9	2	1.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	234	1/4"	stp		3125	2950	A		I	0-0.4	1	16.2	3-4	lithic	tool	fragment	biface, early stage	quartz	white	grainy	
44FX0374	234	1/4"	stp		3125	2950	A		I	0-0.4	1	1.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	234	1/4"	stp		3125	2950	A		I	0-0.4	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	234	1/4"	stp		3125	2950	A		I	0-0.4	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	234	1/4"	stp		3125	2950	A		I	0-0.4	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	234	1/4"	stp		3125	2950	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	235	1/4"	stp		3125	2950	B		II	0.4-1.2	3	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	235	1/4"	stp		3125	2950	B		II	0.4-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	218	1/4"	stp		3125	2975	A		I	0-0.4	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	218	1/4"	stp		3125	2975	A		I	0-0.4	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	218	1/4"	stp		3125	2975	A		I	0-0.4	1	1.6		lithic	debitage	tertiary	shatter	quartz	white	smooth	
44FX0374	218	1/4"	stp		3125	2975	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	219	1/4"	stp		3125	2975	E		II	0.4-0.8	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	219	1/4"	stp		3125	2975	E		II	0.4-0.8	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	185	1/4"	stp		3125	3000	E		II	0.4-1.0	1	0.8	1-2	lithic	debitage	secondary	flake, fragment	quartz	gray	grainy	
44FX0374	185	1/4"	stp		3125	3000	E		II	0.4-1.0	4	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	185	1/4"	stp		3125	3000	E		II	0.4-1.0	4	0.7	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	185	1/4"	stp		3125	3000	E		II	0.4-1.0	2	27.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	265	surf	surf	W of	3125	3000	surf		surf	0-0	1	9.1	3-4	lithic	tool	partial	ppk, Small Savannah River	quartz	white	grainy	biconvex x-section. Convexed asymmetrical blade margins. Missing some of the stem. Tip has been reworked into a graver/perforator. 38.5mm long*, 25 wide, 9.7mm thick. Stem 8.8mm long*, 16.5mm wide.

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	265	surf	surf	W of	3125	3000	surf		surf	0-0	1	16.6	4-5	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0374	265	surf	surf	W of	3125	3000	surf		surf	0-0	1	24.5	>5	lithic	tool	complete	biface, early stage	quartz	white	grainy	biconvex x-section, coarse. 50mm long, 31.5mm wide, and 19.1mm thick.
44FX0374	196	1/4"	stp		3125	3025	A		I	0-0.3	2	4.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	196	1/4"	stp		3125	3025	A		I	0-0.3	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	196	1/4"	stp		3125	3025	A		I	0-0.3	2	12.2	2-4	ceramic	sherd	body	unclassified sherd	n/a	fine sand	eroded	
44FX0374	197	1/4"	stp		3125	3025	E		II	0.3-1.1	1	21.1		lithic	debitage	primary	shatter	quartz	white	grainy	
44FX0374	197	1/4"	stp		3125	3025	E		II	0.3-1.1	1	2.2		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	197	1/4"	stp		3125	3025	E		II	0.3-1.1	1	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	191	1/4"	stp		3125	3050	A		I	0-0.3	1	17.8	4-5	lithic	tool	tertiary	side scraper, type I	quartz	white	grainy	single bit, fragment
44FX0374	262	surf	surf		3150	2900	surf		surf	0-0	1	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	262	surf	surf		3150	2900	surf		surf	0-0	2	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	255	surf	surf		3150	2925	surf		surf	0-0	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	smooth	
44FX0374	236	surf	surf		3150	2950	surf		surf	0-0	1	13.4	3-4	lithic	tool	complete	biface, mid stage	quartz	white	grainy	biconvex x-section, distal
44FX0374	236	surf	surf		3150	2950	surf		surf	0-0	1	2.1	2-3	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0374	236	surf	surf		3150	2950	surf		surf	0-0	1	1.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	236	surf	surf		3150	2950	surf		surf	0-0	1	0.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	236	surf	surf		3150	2950	surf		surf	0-0	2	2.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	237	1/4"	stp		3150	2950	A		I	0-0.4	1	39.5	>5	lithic	tool	partial	biface, early stage	quartz	gray	grainy	biconvex x-section, coarse
44FX0374	237	1/4"	stp		3150	2950	A		I	0-0.4	1	4.2	2-3	lithic	tool	partial	utilized flake, fragment	quartz	white	grainy	biconvex x-section, coarse
44FX0374	237	1/4"	stp		3150	2950	A		I	0-0.4	3	1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	237	1/4"	stp		3150	2950	A		I	0-0.4	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	237	1/4"	stp		3150	2950	A		I	0-0.4	4	6.3		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0374	238	1/4"	stp		3150	2950	B		II	0.4-1.0	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	238	1/4"	stp		3150	2950	B		II	0.4-1.0	4	1.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	189	surf	surf		3150	2975	surf		surf	0-0	1	10.2	>5	lithic	tool	complete	biface, late stage	quartz	white	grainy	
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	1	862.1		lithic	tool	complete	nutting stone	quartzite	brown		pecked on both sides
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	1	1.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	3	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	1	11.5	4-5	lithic	tool	partial	biface, late stage	quartz	white	grainy	biconvex x-section, basal to mid section
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	1	5.1	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, corner of base
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	1	8.7	3-4	lithic	tool	tertiary	side scraper, type I	quartz	white	grainy	unifacial, fragmentary
44FX0374	220	surf	surf		3150	2975	surf		surf	0-0	1	6.1	3-4	lithic	tool	partial	ppk, Rossville	quartz	white	grainy	biconvex x-section. Convexed asymmetrical blade margins. Missing distal portion.35.2mm long*, 23 wide, 8.4mm thick. Stem 11.3mm long, 15.5-10.8mm wide.
44FX0374	195	1/4"	stp		3150	3025	E		II	0.5-1.1	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	195	1/4"	stp		3150	3025	E		II	0.5-1.1	1	3.4	2-3	lithic	tool	fragment	biface, late stage	jasper	red	opaque	biconvex x-section, medial fragment
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	1	1.4	2-3	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	7	11.4	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	6	3.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	2	0.3	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	2	9.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	3	4.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	34	57.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	12	8.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	149	78.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	10	1.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	2	3.8		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	12	27		lithic	debitage	tertiary	shatter	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	1	7.8	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, fragmentary basal section
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	1	1.6	2-3	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, fragmentary distal section
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	1	34.7	4-5	lithic	tool	complete	biface, early stage	quartz	white	grainy	biconvex x-section, coarse. 47.6mm long, 35.6mm wide, and 21.1mm thick.
44FX0374	535	1/4"	tu	9	3171	2948	A	1	I	0-0.25	1	7.8	3-4	lithic	tool	partial	ppk, Small Savannah River	quartz	white	grainy	biconvex x-section. Convexed asymmetrical blade margins. Missing part of midsection to distal. 32.4mm long*, 23.5mm wide, 10.9mm thick. Stem 14.5mm long, 17mm wide.
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	5.2	4-5	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	3.1	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	12	21.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	3	14.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	5.7	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	45	72.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	3	7.1	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	3	2.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	aphyric	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	reddish brown		
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	3.3	3-4	lithic	debitage	primary	flake, fragment	quartzite	gray		
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	16.4	4-5	lithic	tool	complete	biface, mid stage	quartz	white	grainy	biconvex x-section. 46.6mm long*, 27.8mm wide, and 13.4mm thick. Ovate form missing distal fragment
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	13.9	3-4	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. 30.3mm wide, and 12.7mm thick. Ovate form missing distal to mis section
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	5.3	2-3	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Ovate form. Distal fragment
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	5.6	2-3	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Ovate form. Distal fragment
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	9.4	4-5	lithic	tool	fragment	biface, late stage	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	3.5	2-3	lithic	tool	secondary	retouched flake, complete	quartz	white	grainy	unifacial retouch along distal-lateral margin
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	6	0.7	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	53	8.8	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	2	0.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	streaked	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	28	16.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	5	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	424	201.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	27.2	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	10.9	3-4	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	1	3.9	2-3	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	5	198.7		lithic	FCR	fragment	fire cracked rock	quartz	white	milky/grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	2	II	0.25-0.5	14	21.3		lithic	debitage	tertiary	shatter	quartz	red white	milky/grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	4	7.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	8	4.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	3	5.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	18	35.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	133	60.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	3	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	7	0.9	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	1	7.7	3-4	lithic	tool	fragment	biface, mid stage	quartz	white	milky/grainy	biconvex x-section. Distal fragment
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	7	143.3		lithic	FCR	fragment	fire cracked rock	quartz	red white	milky/grainy	
44FX0374	537	1/4"	tu	9	3171	2948	E	3	II	0.5-0.75	4	19.6		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	1	3.2	3-4	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	2	1.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	2	2.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	59	22.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	8	1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	1	1.2	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	smooth	
44FX0374	536	1/4"	tu	9	3171	2948	E	4	II	0.75-1.0	2	12		lithic	debitage	secondary	shatter	quartz	grayish white	grainy	
44FX0374	558	1/4"	tu	9	3171	2948	E	5	II	1.0-1.1	10	4.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	558	1/4"	tu	9	3171	2948	E	5	II	1.0-1.1	7	1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	558	1/4"	tu	9	3171	2948	E	5	II	1.0-1.1	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	quartz porphyritic	
44FX0374	558	1/4"	tu	9	3171	2948	E	5	II	1.0-1.1	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	2	4.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	1	3.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	3	4.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	7	7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	2	4.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	1	3.4	2-3	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch to distal margin, complete flake
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	1	3.9	3-4	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	coarse unifacial retouch on lateral margin
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	1	3.3	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, fragmentary distal section
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	1	15.6	3-4	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section, basal section
44FX0374	263	surf	surf		3175	2900	surf		surf	0-0	1	21.2	4-5	lithic	tool	fragment	biface, early stage	quartz	white	grainy	amorphous x-section
44FX0374	256	1/4"	stp		3175	2925	A		I	0-0.4	1	1.2	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	256	1/4"	stp		3175	2925	A		I	0-0.4	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	256	1/4"	stp		3175	2925	A		I	0-0.4	3	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	239	1/4"	stp		3175	2950	A		I	0-0.4	2	1.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	239	1/4"	stp		3175	2950	A		I	0-0.4	1	2.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	239	1/4"	stp		3175	2950	A		I	0-0.4	11	4.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	3	4.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	5	2.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	2	3.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	44	17.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	7	0.9	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	240	1/4"	stp		3175	2950	E		II	0.4-1.1	6	11.8		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	221	1/4"	stp		3175	2975	A		I	0-0.4	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	222	surf	surf		3175	2975	surf		surf	0-0	1	1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	222	surf	surf		3175	2975	surf		surf	0-0	6	14.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	222	surf	surf		3175	2975	surf		surf	0-0	2	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	222	surf	surf		3175	2975	surf		surf	0-0	1	8.9		lithic	debitage	primary	shatter	quartz	white	grainy	
44FX0374	222	surf	surf		3175	2975	surf		surf	0-0	1	15.3	3-4	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0374	207	1/4"	stp		3175	3000	A		I	0-0.3	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	194	1/4"	stp		3175	3025	E		III	0.6-1.1	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	194	1/4"	stp		3175	3025	E		III	0.6-1.1	1	5.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	193	surf	surf		3175	3050	surf		surf	0-0	1	1.4	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	257	1/4"	stp		3200	2925	A		I	0-0.3	1	3.8	2-3	lithic	tool	fragment	biface, unid.	quartz	white	grainy	biconvex x-section, fragmentary mid section
44FX0374	257	1/4"	stp		3200	2925	A		I	0-0.3	2	3.9	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	257	1/4"	stp		3200	2925	A		I	0-0.3	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	257	1/4"	stp		3200	2925	A		I	0-0.3	3	11.1		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	258	1/4"	stp		3200	2925	E		II	0.3-0.8	5	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	258	1/4"	stp		3200	2925	E		II	0.3-0.8	2	7.6		lithic	debitage	secondary	shatter	quartz	gray	grainy	
44FX0374	530	1/4"	tu	10	3195	2927	A	1	I	0-0.20	9	3.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	530	1/4"	tu	10	3195	2927	A	1	I	0-0.20	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	530	1/4"	tu	10	3195	2927	A	1	I	0-0.20	27	58.1		lithic	debitage	secondary	shatter	quartz	gray white	grainy	
44FX0374	531	1/4"	tu	10	3195	2927	E	2	II	0.20-0.45	5	27.8		lithic	debitage	secondary	shatter	quartz	gray white	grainy	
44FX0374	531	1/4"	tu	10	3195	2927	E	2	II	0.20-0.45	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	532	1/4"	tu	10	3195	2927	E	3	II	0.45-0.65	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	241	1/4"	stp		3200	2950	A		I	0-0.3	2	3.7	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	241	1/4"	stp		3200	2950	A		I	0-0.3	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	242	1/4"	stp		3200	2950	E		II	0.3-1.1	1	13.7	4-5	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	
44FX0374	242	1/4"	stp		3200	2950	E		II	0.3-1.1	1	1.9		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	223	1/4"	stp		3200	2975	A		I	0-0.3	2	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	224	surf	surf		3200	2975	surf		surf	0-0	1	6.1	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, distal
44FX0374	224	surf	surf		3200	2975	surf		surf	0-0	1	7.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	224	surf	surf		3200	2975	surf		surf	0-0	1	5.4	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	192	surf	surf		3200	3050	surf		surf	0-0	1	5.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	192	surf	surf		3200	3050	surf		surf	0-0	1	23.9		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	259	1/4"	stp		3225	2925	A		I	0-0.3	1	1.8	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	259	1/4"	stp		3225	2925	A		I	0-0.3	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	259	1/4"	stp		3225	2925	A		I	0-0.3	1	8.4		lithic	debitage	secondary	shatter	quartz	gray	grainy	
44FX0374	260	1/4"	stp		3225	2925	E		II	0.3-0.9	2	6		lithic	debitage	tertiary	shatter	quartz	red white	grainy	
44FX0374	243	surf	surf		3225	2950	surf		surf	0-0	2	9.6	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	243	surf	surf		3225	2950	surf		surf	0-0	2	3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	243	surf	surf		3225	2950	surf		surf	0-0	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	243	surf	surf		3225	2950	surf		surf	0-0	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	243	surf	surf		3225	2950	surf		surf	0-0	2	1.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	243	surf	surf		3225	2950	surf		surf	0-0	1	34.6	4-5	lithic	tool	partial	biface, early stage	quartz	white	grainy	biconvex x-section, coarse
44FX0374	244	1/4"	stp		3225	2950	A		I	0-0.4	7	3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	244	1/4"	stp		3225	2950	A		I	0-0.4	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	244	1/4"	stp		3225	2950	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	245	1/4"	stp		3225	2950	E		II	0.4-1.0	4	1.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	245	1/4"	stp		3225	2950	E		II	0.4-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	245	1/4"	stp		3225	2950	E		II	0.4-1.0	2	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	245	1/4"	stp		3225	2950	E		II	0.4-1.0	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	245	1/4"	stp		3225	2950	E		II	0.4-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	245	1/4"	stp		3225	2950	E		II	0.4-1.0	1	1.2		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0374	225	1/4"	stp		3225	2975	A		I	0-0.4	1	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	milky	
44FX0374	225	1/4"	stp		3225	2975	A		I	0-0.4	1	2.9		lithic	debitage	tertiary	shatter	quartz	white	milky	
44FX0374	226	surf	surf		3225	2975	surf		surf	0-0	1	6.1	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	226	surf	surf		3225	2975	surf		surf	0-0	1	2.9	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	226	surf	surf		3225	2975	surf		surf	0-0	2	9.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	226	surf	surf		3225	2975	surf		surf	0-0	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	226	surf	surf		3225	2975	surf		surf	0-0	3	10.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	209	1/4"	stp		3225	3000	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	209	1/4"	stp		3225	3000	A		I	0-0.3	3	7.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	246	surf	surf		3250	2950	surf		surf	0-0	1	4.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	246	surf	surf		3250	2950	surf		surf	0-0	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	246	surf	surf		3250	2950	surf		surf	0-0	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	247	1/4"	stp		3250	2950	A		I	0-0.4	1	2.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	247	1/4"	stp		3250	2950	A		I	0-0.4	2	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	248	1/4"	stp		3250	2950	E		II	0.4-1.0	2	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	248	1/4"	stp		3250	2950	E		II	0.4-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	227	surf	surf		3250	2975	surf		surf	0-0	1	1.7	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	227	surf	surf		3250	2975	surf		surf	0-0	2	4.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	227	surf	surf		3250	2975	surf		surf	0-0	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	227	surf	surf		3250	2975	surf		surf	0-0	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	227	surf	surf		3250	2975	surf		surf	0-0	3	11.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	227	surf	surf		3250	2975	surf		surf	0-0	1	56.6	>5	lithic	debitage	secondary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0374	208	1/4"	stp		3250	3000	A		I	0-0.3	1	14.1	4-5	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	1	2.1	2-3	lithic	tool	fragment	ppk, Calvert	quartz	white	grainy	biconvex x-section. basal fragment.
44FX0374	559	1/4"	tu	22	3096	3022	A	1	I	0-0.2	1	4.4	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	559	1/4"	tu	22	3096	3022	A	1	I	0-0.2	2	2.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	559	1/4"	tu	22	3096	3022	A	1	I	0-0.2	11	3.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	559	1/4"	tu	22	3096	3022	A	1	I	0-0.2	1	13.8	3-4	lithic	debitage	secondary	core, fragment	quartz	grayish white	grainy	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	2	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	4	6.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	27	11.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	10	1.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	560	1/4"	tu	22	3096	3022	E	2	II	0.2-0.45	4	15.9		lithic	FCR	fragment	fire cracked rock	quartz	red white	grainy	
44FX0374	561	1/4"	tu	22	3096	3022	E	3	II	0.45-0.7	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	561	1/4"	tu	22	3096	3022	E	3	II	0.45-0.7	1	2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	1	3	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	2	2.7	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	1	1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	streaked	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	2	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	streaked	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	12	5.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	3	0.5	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	43	20.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	1	1.1	1-2	lithic	debitage	primary	flake, fragment	quartz	white	milky/grainy	
44FX0374	509	1/4"	tu	7	3100	2977	A	1	I	0-0.15	1	1.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	1	31.7	4-5	lithic	tool	complete	biface, early stage	quartz	white	grainy	biconvex x-section, coarse. 47.9mm long, 34.9mm wide, and 20.7mm thick.
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	5	2.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	4	9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	5	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	40	19.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	5	0.8	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	510	1/4"	tu	7	3100	2977	E	2	II	0.15-0.40	1	0.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0374	511	1/4"	tu	7	3100	2977	E	3	II	0.40-0.65	7	2.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	511	1/4"	tu	7	3100	2977	E	3	II	0.40-0.65	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0374	550	surf	surf	gully east of site			surf		surf		1	12.2	4-5	lithic	tool	complete	biface, mid stage	quartz	white	grainy	biconvex x-section. 43.2mm long, 27.2mm wide, and 11.9mm thick. Ovate form
44FX0374	550	surf	surf	gully east of site			surf		surf		1	15.8	4-5	lithic	tool	complete	biface, mid stage	quartz	white	grainy	biconvex x-section. 45.5mm long, 27.9mm wide, and 16.5mm thick. Ovate form

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0374	550	surf	surf	gully east of site			surf		surf		1	6.2	3-4	lithic	tool	complete	ppk, Lamoka	quartz	white	grainy	biconvex x-section. Convexed asymmetrical blade margins. 36.7mm long, 20.4 wide, 10.1mm thick. Stem 11.5mm long, 18.2mm wide.
44FX0374	550	surf	surf	gully east of site			surf		surf		1	9	3-4	lithic	tool	partial	ppk, Small Savannah River	quartz	white	grainy	biconvex x-section. Convexed asymmetrical blade margins. Missing part of midsection to distal. 33mm long*, 24.2mm wide, 10.1mm thick. Stem 15.5mm long, 19.9mm wide.
44FX0377		1	1/4"	stp	1.43	525	550	A		I	0-.1	1	5.7	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	
44FX0377		2	1/4"	stp	1.44	500	500	E		II	0.4-1.(	1	5.4	3-4	lithic	debitage	secondary	flake, complete	quartz	white	
44FX0377		3	surf	surf	1.40+30ftNNW			surf		surf	0-0	2	9.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	
44FX0377		3	surf	surf	1.40+30ftNNW			surf		surf	0-0	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	
44FX0377		3	surf	surf	1.40+30ftNNW			surf		surf	0-0	1	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	
44FX0377		4	surf	surf		519	606	surf		surf	0-0	1	2.7	2-3	lithic	debitage	secondary	flake, complete	quartz	white	
44FX0377		5	1/4"	stp		525	575	A		I	0-0.5	1	2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	
44FX0377		5	1/4"	stp		525	575	A		I	0-0.5	1	2	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red	
44FX0377		5	1/4"	stp		525	575	A		I	0-0.5	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	
44FX0377		6	1/4"	stp		525	575	B		II	0.5-1.(	1	4.4	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	
44FX0377		6	1/4"	stp		525	575	B		II	0.5-1.(	1	22.2	>5	lithic	debitage	tertiary	flake, fragment	quartzite	gray	
44FX0377		7	1/4"	stp		500	600	A		I	0-.4	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray	
44FX0377		7	1/4"	stp		500	600	A		I	0-.4	1	1.5	2-3	lithic	debitage	tertiary	flake, complete	rhyolite	gray	
44FX0377		8	1/4"	stp		500	600	B		II	0.4-0.8	1	5.3	2-3	lithic	debitage	tertiary	flake, complete	quartzite	white	
44FX0379	267	1/4"	stp	North	1330	1230	A		I	0-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	268	1/4"	stp	North	1355	1230	E		II	0.7-1.5	1	7.7	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0379	269	1/4"	stp	North	1330	1205	A		I	0-0.4	2	6.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	269	1/4"	stp	North	1330	1205	A		I	0-0.4	2	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	269	1/4"	stp	North	1330	1205	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	269	1/4"	stp	North	1330	1205	A		I	0-0.4	1	1.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	269	1/4"	stp	North	1330	1205	A		I	0-0.4	1	5.1		lithic	debitage	secondary	shatter	quartz	gray	grainy	
44FX0379	270	1/4"	stp	North	1330	1205	E		II	0.4-0.8	1	2.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	270	1/4"	stp	North	1330	1205	E		II	0.4-0.8	3	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	271	1/4"	stp	North	1355	1205	E		II	0.2-0.9	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	271	1/4"	stp	North	1355	1205	E		II	0.2-0.9	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	272	1/4"	stp	North	1305	1180	A		I	0-0.4	1	0.9	1-2	lithic	tool	tertiary	graver	quartz	white	grainy	unifacial retouch along distal margin. Complete flake
44FX0379	272	1/4"	stp	North	1305	1180	A		I	0-0.4	2	0.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	272	1/4"	stp	North	1305	1180	A		I	0-0.4	3	4.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	272	1/4"	stp	North	1305	1180	A		I	0-0.4	1	0.7	2-3	lithic	debitage	primary	flake, fragment	quartz	white	grainy	
44FX0379	272	1/4"	stp	North	1305	1180	A		I	0-0.4	5	2.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	272	1/4"	stp	North	1305	1180	A		I	0-0.4	2	0.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	273	1/4"	stp	North	1330	1180	A		I	0-0.2	1	5.3	3-4	lithic	debitage	secondary	flake, fragment	quartzite	brownish gray		
44FX0379	273	1/4"	stp	North	1330	1180	A		I	0-0.2	1	1.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	273	1/4"	stp	North	1330	1180	A		I	0-0.2	8	4.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	273	1/4"	stp	North	1330	1180	A		I	0-0.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	274	1/4"	stp	North	1330	1180	E		II	0.2-0.5	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	274	1/4"	stp	North	1330	1180	E		II	0.2-0.5	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	275	1/4"	stp	North	1380	1180	A		I	0-0.4	1	7.1	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	reddish white		
44FX0379	276	1/4"	stp	North	1405	1180	surf		surf	0-0	1	9.1	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	276	1/4"	stp	North	1405	1180	surf		surf	0-0	1	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	277	1/4"	stp	North	1280	1155	A		I	0-0.3	3	3.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	277	1/4"	stp	North	1280	1155	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	278	1/4"	stp	North	1330	1155	A		I	0-0.2	1	2.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	278	1/4"	stp	North	1330	1155	A		I	0-0.2	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	278	1/4"	stp	North	1330	1155	A		I	0-0.2	4	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	279	1/4"	stp	North	1330	1155	E		II	0.2-0.5	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	279	1/4"	stp	North	1330	1155	E		II	0.2-0.5	2	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	279	1/4"	stp	North	1330	1155	E		II	0.2-0.5	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	280	1/4"	stp	North	1355	1155	A		I	0-0.3	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	281	1/4"	stp	North	1380	1155	E		II	0.3-0.6	1	3.6	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0379	281	1/4"	stp	North	1380	1155	E		II	0.3-0.6	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	dark gray	aphyric	
44FX0379	282	1/4"	stp	North	1305	1130	A		I	0-0.3	1	2.7	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	282	1/4"	stp	North	1305	1130	A		I	0-0.3	2	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	283	1/4"	stp	North	1305	1130	E		II	0.3-1.0	1	5.9	3-4	lithic	debitage	secondary	flake, complete	quartz	white	milky	
44FX0379	284	1/4"	stp	North	1330	1130	A		I	0-0.3	1	5.8	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	284	1/4"	stp	North	1330	1130	A		I	0-0.3	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	285	1/4"	stp	North	1330	1130	E		II	0.3-0.9	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	285	1/4"	stp	North	1330	1130	E		II	0.3-0.9	2	3.7		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	286	1/4"	stp	North	1380	1130	A		I	0-0.6	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	287	1/4"	stp	North	1380	1130	E		II	0.6-1.0	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	287	1/4"	stp	North	1380	1130	E		II	0.6-1.0	1	1.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	288	surf	surf	North	1280	1155	surf		surf	0-0	1	17.1	3-4	lithic	debitage	tertiary	core, exhausted	quartz	white	streaked/grainy	amorphous/multidirectional
44FX0379	288	surf	surf	North	1280	1155	surf		surf	0-0	1	5.0	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	288	surf	surf	North	1280	1155	surf		surf	0-0	3	5.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	289	1/4"	stp	North	1280	1105	E		II	0.3-0.8	2	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	289	1/4"	stp	North	1280	1105	E		II	0.3-0.8	1	11.6	3-4	lithic	debitage	tertiary	core, exhausted	quartz	white	streaked/grainy	amorphous/multidirectional
44FX0379	290	1/4"	stp	North	1305	1105	A		I	0-0.3	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	291	surf	surf	North	1330	1105	surf		surf	0-0	1	7.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	292	1/4"	stp	North	1355	1105	A		I	0-0.3	1	26.9	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	streaked/grainy	amorphous/multidirectional
44FX0379	292	1/4"	stp	North	1355	1105	A		I	0-0.3	1	1.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	292	1/4"	stp	North	1355	1105	A		I	0-0.3	3	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	293	surf	surf	North	1330	1105	surf		surf	0-0	3	2.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	293	surf	surf	North	1330	1105	surf		surf	0-0	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	294	1/4"	stp	North	1330	1105	E		II	0.3-0.8	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	294	1/4"	stp	North	1330	1105	E		II	0.3-0.8	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	294	1/4"	stp	North	1330	1105	E		II	0.3-0.8	1	2.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	294	1/4"	stp	North	1330	1105	E		II	0.3-0.8	12	7.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	294	1/4"	stp	North	1330	1105	E		II	0.3-0.8	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	294	1/4"	stp	North	1330	1105	E		II	0.3-0.8	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	294	1/4"	stp	North	1280	1155	E		II	0.3-0.8	1	2.1		lithic	debitage	tertiary	shatter	quartz	white	milky	
44FX0379	295	surf	surf	North	1380	1105	surf		surf	0-0	1	2.9	2-3	lithic	tool	fragment	biface, unid.	quartz	white	grainy	biconvex x-section. Possibly a ppk stem
44FX0379	296	1/4"	stp	North	1380	1105	A		I	0-0.3	1	2.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	296	1/4"	stp	North	1380	1105	A		I	0-0.3	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	297	1/4"	stp	North	1380	1105	E		II	0.3-0.8	1	3.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	297	1/4"	stp	North	1380	1105	E		II	0.3-0.8	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	298	1/4"	stp	North	1405	1105	A		I	0-0.3	1	6.5	2-3	lithic	tool	fragment	biface, unid.	quartz	white	grainy	biconvex x-section. Midsection?
44FX0379	299	1/4"	stp	North	1405	1105	E		II	0.3-0.9	1	3.3	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	reddish gray		
44FX0379	300	1/4"	stp	North	1280	1080	A		I	0-0.3	1	3.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	300	1/4"	stp	North	1280	1080	A		I	0-0.3	2	3.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	300	1/4"	stp	North	1280	1080	A		I	0-0.3	3	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	300	1/4"	stp	North	1280	1080	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	301	1/4"	stp	North	1280	1080	E		II	0.3-1.2	1	11.0	4-5	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Distal fragment?
44FX0379	301	1/4"	stp	North	1280	1080	E		II	0.3-1.2	1	4.6	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	301	1/4"	stp	North	1280	1080	E		II	0.3-1.2	5	2.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	301	1/4"	stp	North	1280	1080	E		II	0.3-1.2	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	301	1/4"	stp	North	1280	1080	E		II	0.3-1.2	1	53.7	>5	lithic	debitage	secondary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	302	1/4"	stp	North	1330	1080	A		I	0-0.3	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	302	1/4"	stp	North	1330	1080	A		I	0-0.3	5	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	303	1/4"	stp	North	1330	1080	E		II	0.3-1.3	3	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	303	1/4"	stp	North	1330	1080	E		II	0.3-1.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	304	1/4"	stp	North	1305	1080	A		I	0-0.2	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	304	1/4"	stp	North	1305	1080	A		I	0-0.2	1	4.0	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	304	1/4"	stp	North	1305	1080	A		I	0-0.2	3	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	304	1/4"	stp	North	1305	1080	A		I	0-0.2	1	1.2		lithic	FCR	fragment	fire cracked rock	quartz	red white		
44FX0379	305	1/4"	stp	North	1305	1080	E		II	0.2-0.8	1	5.7	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	305	1/4"	stp	North	1305	1080	E		II	0.2-0.8	1	2.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	305	1/4"	stp	North	1305	1080	E		II	0.2-0.8	1	1.1	2-3	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered light brown	aphyric	
44FX0379	305	1/4"	stp	North	1305	1080	E		II	0.2-0.8	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	305	1/4"	stp	North	1305	1080	E		II	0.2-0.8	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered light brown	aphyric	
44FX0379	306	1/4"	stp	North	1355	1080	A		I	0-0.3	2	2.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	306	1/4"	stp	North	1355	1080	A		I	0-0.3	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	306	1/4"	stp	North	1355	1080	A		I	0-0.3	1	5.3	4-5	lithic	tool	complete	ppk, Lamoka	quartz	white	grainy	biconvex x-section. Convexed symmetrical blade margins. 41.7mm long, 19mm wide, 6.9mm thick. Stem 12.3mm long, 13.3mm wide and 12.2mm wide neck
44FX0379	307	1/4"	stp	North	1355	1080	E		II	0.3-0.9	1	1.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	307	1/4"	stp	North	1355	1080	E		II	0.3-0.9	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	307	1/4"	stp	North	1355	1080	E		II	0.3-0.9	1	3.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	307	1/4"	stp	North	1355	1080	E		II	0.3-0.9	3	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	307	1/4"	stp	North	1355	1080	E		II	0.3-0.9	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	308	1/4"	stp	North	1380	1080	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	309	1/4"	stp	North	1405	1080	E		II	0.4-1.2	1	0.6	1-2	lithic	debitage	tertiary	flake, complete	quartzite	brownish gray		
44FX0379	309	1/4"	stp	North	1405	1080	E		II	0.4-1.2	1	3.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	309	1/4"	stp	North	1405	1080	E		II	0.4-1.2	4	3.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	309	1/4"	stp	North	1405	1080	E		II	0.4-1.2	2	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	309	1/4"	stp	North	1405	1080	E		II	0.4-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white		
44FX0379	310	1/4"	stp	North	1430	1080	E		II	0.4-1.2	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	aphyric	
44FX0379	310	1/4"	stp	North	1430	1080	E		II	0.4-1.2	1	13.2	4-5	lithic	debitage	secondary	flake, fragment	quartzite	gray		
44FX0379	311	1/4"	stp	North	1455	1080	A		I	0-0.5	1	43.8	>5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	311	1/4"	stp	North	1455	1080	A		I	0-0.5	1	7.0		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	312	1/4"	stp	North	1455	1080	E		II	0.5-1.1	1	12.0	4-5	lithic	debitage	secondary	flake, complete	quartzite	gray		
44FX0379	312	1/4"	stp	North	1455	1080	E		II	0.5-1.1	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0379	313	1/4"	stp	North	1305	1155	A		I	0-0.3	3	11.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	313	1/4"	stp	North	1305	1155	A		I	0-0.3	4	2.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	314	1/4"	stp	North	1255	1055	A		I	0-0.3	1	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	314	1/4"	stp	North	1255	1055	A		I	0-0.3	1	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	1	8.7	4-5	lithic	tool	fragment	biface, early stage	quartz	white	grainy	fragmentary
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	1	1.6	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	1	1.0	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	8	19.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	2	1.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	14	8.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	gray		

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	315	1/4"	stp	North	1255	1055	E		II	0.3-1.1	1	0.5		historic	glass	fragment	window glass		colorless	architecture	
44FX0379	316	1/4"	stp	North	1255	1055	E		III	1.1-1.5	3	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	316	1/4"	stp	North	1255	1055	E		III	1.1-1.5	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	7.4	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	3.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	3	1.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	1.7	3-4	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	aphyric	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	2.1	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	21	8.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	317	1/4"	stp	North	1280	1055	E		II	0.2-1.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	aphyric	
44FX0379	318	surf	surf	North	1305	1055	surf		surf	0-0	1	545.0	>5	lithic	unmodified	complete	cobble	quartzite	light brown		possible fire clouding on flat side
44FX0379	318	surf	surf	North	1305	1055	surf		surf	0-0	1	6.8	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	319	1/4"	stp	North	1305	1055	A		I	0-0.2	1	2.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	319	1/4"	stp	North	1305	1055	A		I	0-0.2	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	319	1/4"	stp	North	1305	1055	A		I	0-0.2	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	320	1/4"	stp	North	1305	1055	E		II	0.2-0.9	1	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartzite	gray		
44FX0379	320	1/4"	stp	North	1305	1055	E		II	0.2-0.9	1	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	321	1/4"	stp	North	1330	1030	A		I	0-0.4	2	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	321	1/4"	stp	North	1330	1030	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	322	1/4"	stp	North	1330	1030	E		II	0.4-1.1	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	323	1/4"	stp	North	1355	1055	A		I	0-0.2	1	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	324	1/4"	stp	North	1380	1055	A		I	0-0.3	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	324	1/4"	stp	North	1380	1055	A		I	0-0.3	3	2.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	325	1/4"	stp	North	1380	1055	E		II	0.3-0.7	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	325	1/4"	stp	North	1380	1055	E		II	0.3-0.7	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	326	surf	surf	North	1255	1030	surf		surf	0-0	1	11.3	4-5	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	326	surf	surf	North	1255	1030	surf		surf	0-0	1	6.5	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	327	1/4"	stp	North	1255	1030	A		I	0-0.4	1	0.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	327	1/4"	stp	North	1255	1030	A		I	0-0.4	4	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	328	1/4"	stp	North	1255	1030	E		II	0.4-1.0	2	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	328	1/4"	stp	North	1255	1030	E		II	0.4-1.0	2	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	329	1/4"	stp	North	1280	1030	A		I	0-0.3	1	1.9	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	329	1/4"	stp	North	1280	1030	A		I	0-0.3	7	3.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	329	1/4"	stp	North	1280	1030	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	330	1/4"	stp	North	1280	1030	E		II	0.3-1.2	2	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	330	1/4"	stp	North	1280	1030	E		II	0.3-1.2	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	330	1/4"	stp	North	1280	1030	E		II	0.3-1.2	7	2.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	330	1/4"	stp	North	1280	1030	E		II	0.3-1.2	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	aphyric	
44FX0379	331	1/4"	stp	North	1280	1030	E		III	1.2-1.7	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	1	8.4	4-5	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	1	3.8	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	1	2.9	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	2	1.0	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	1	10.7	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	2	16.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	1	5.0	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	17	38.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	32	15.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	2	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	332	surf	surf	North	1305	1030	surf		surf	0-0	3	6.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	333	1/4"	stp	North	1305	1030	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	333	1/4"	stp	North	1305	1030	A		I	0-0.3	2	1.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	334	1/4"	stp	North	1305	1030	E		II	0.3-0.9	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	335	1/4"	stp	North	1380	1030	E		II	0.2-0.4	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	336	1/4"	stp	North	1255	1005	E		II	0.5-1.3	2	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	1	9.8	3-4	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section, distal fragment
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	3	5.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	3	0.5	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	2	8.4	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	10	26.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	1	17.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	3	3.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	337	1/4"	stp	North	1305	1005	A		I	0-0.4	1	8.3		lithic	FCR	fragment	fire cracked rock	quartzite	red		
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	1	14.1	4-5	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	1	3.0	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	3	5.0	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	13	8.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	3	0.4	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	1	2.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	19	33.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	81	38.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	4	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	9	1.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	338	1/4"	stp	North	1305	1005	E		II	0.4-1.5	4	7.2		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0379	339	1/4"	stp	North	1330	1005	A		I	0-0.3	1	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	340	1/4"	stp	North	1230	980	E		II	0.5-1.3	1	1.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	340	1/4"	stp	North	1230	980	E		II	0.5-1.3	3	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	340	1/4"	stp	North	1230	980	E		II	0.5-1.3	1	2.9		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0379	341	1/4"	stp	North	1255	980	A		I	0-0.5	2	5.6	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	341	1/4"	stp	North	1255	980	A		I	0-0.5	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	342	1/4"	stp	North	1255	980	E		II	0.5-1.2	3	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	343	1/4"	stp	North	1280	980	E		II	0.2-1.1	1	3.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	streaked/grainy	
44FX0379	344	1/4"	stp	North	1305	980	E		II	0.4-1.0	1	1.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	344	1/4"	stp	North	1305	980	E		II	0.4-1.0	1	4.1	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	345	1/4"	stp	North	1355	980	E		II	0.4-1.2	1	1.9		lithic	debitage	secondary	shatter	quartz	white	streaked/grainy	
44FX0379	346	1/4"	stp	North	1455	980	E		II	0.2-1.6	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	347	1/4"	stp	North	1405	1005	E		II	0.3-1.0	1	3.1	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0379	348	1/4"	stp	North	1430	1005	E		II	0.3-1.5	1	3.6	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	349	1/4"	stp	North	1505	1005	E		II	0.4-1.4	1	0.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	350	1/4"	stp	North	1530	1005	E		II	0.4-1.4	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	351	surf	surf	North	1555	1005	surf		surf	0-0	1	21.6	4-5	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section, basal fragment.
44FX0379	352	1/4"	stp	North	1555	1005	E		II	0.2-1.3	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	353	1/4"	stp	North	1580	1005	E		II	0.2-1.1	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	354	1/4"	stp	North	1580	1030	E		II	0.2-1.0	1	9.8	4-5	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, distal fragment.
44FX0379	354	1/4"	stp	North	1580	1030	E		II	0.2-1.0	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	354	1/4"	stp	North	1580	1030	E		II	0.2-1.0	1	8.9	4-5	lithic	debitage	primary	flake, fragment	gneiss/schist	light brown		
44FX0379	355	1/4"	stp	North	1605	1030	E		II	0.3-1.3	1	2.7	2-3	lithic	debitage	tertiary	flake, complete	rhyolite	gray	plagioclase porphyritic	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	355	1/4"	stp	North	1605	1030	E		II	0.3-1.3	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	356	1/4"	stp	North	1655	1030	E		II	0.3-0.8	1	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	357	1/4"	stp	North	1455	1055	E		II	0.2-1.3	1	19.5	>5	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0379	357	1/4"	stp	North	1455	1055	E		II	0.2-1.3	1	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	357	1/4"	stp	North	1455	1055	E		II	0.2-1.3	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	357	1/4"	stp	North	1455	1055	E		II	0.2-1.3	1	0.7	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	milky/grainy	
44FX0379	358	1/4"	stp	North	1480	1055	A		I	0-0.3	5	3.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	359	1/4"	stp	North	1480	1055	E		II	0.3-1.0	6	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	359	1/4"	stp	North	1480	1055	E		II	0.3-1.0	2	2.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	360	surf	surf	North	1505	1055	surf		surf	0-0	1	1.0	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	360	surf	surf	North	1505	1055	surf		surf	0-0	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	361	1/4"	stp	North	1505	1055	E		II	0.2-0.8	1	0.6	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	362	surf	surf	North	1580	1055	surf		surf	0-0	1	9.9	4-5	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, distal, preform
44FX0379	362	surf	surf	North	1580	1055	surf		surf	0-0	1	5.3	3-4	lithic	tool	complete	ppk, Lamoka	quartz	white	grainy	biconvex x-section. Convexed symmetrical blade margins. 37.3mm long, 18.3mm wide, 8mm thick. Stem 11.7mm long, 13.4mm wide* and 13mm wide neck
44FX0379	363	1/4"	stp	North	1580	1055	E		II	0.3-1.1	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	364	1/4"	stp	North	1605	1055	A		I	0-0.2	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	365	1/4"	stp	North	1605	1055	E		II	0.2-1.0	2	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	365	1/4"	stp	North	1605	1055	E		II	0.2-1.0	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	366	1/4"	stp	North	1630	1055	A		I	0-0.2	1	3.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	367	1/4"	stp	North	1655	1055	A		I	0-0.2	1	2.1	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	368	surf	surf	North	1480	1180	surf		surf	0-0	1	3.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	368	surf	surf	North	1480	1180	surf		surf	0-0	1	3.1	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	368	surf	surf	North	1480	1180	surf		surf	0-0	2	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	368	surf	surf	North	1480	1180	surf		surf	0-0	7	4.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	368	surf	surf	North	1480	1180	surf		surf	0-0	4	0.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	368	surf	surf	North	1480	1180	surf		surf	0-0	1	9.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	369	1/4"	stp	North	1480	1080	E		II	0.3-0.9	1	3.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	369	1/4"	stp	North	1480	1080	E		II	0.3-0.9	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	369	1/4"	stp	North	1480	1080	E		II	0.3-0.9	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	370	1/4"	stp	North	1530	1080	E		II	0.3-1.0	1	23.0	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	370	1/4"	stp	North	1530	1080	E		II	0.3-1.0	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	371	surf	surf	North	1580	1080	surf		surf	0-0	1	6.0	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section, distal, preform
44FX0379	372	surf	surf	North	1605	1080	surf		surf	0-0	2	4.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	372	surf	surf	North	1605	1080	surf		surf	0-0	1	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	373	1/4"	stp	North	1630	1080	E		II	0.2-1.0	1	1.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	374	1/4"	stp	North	1455	1105	E		II	0.2-0.5	1	10.7	4-5	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	374	1/4"	stp	North	1455	1105	E		II	0.2-0.5	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	374	1/4"	stp	North	1455	1105	E		II	0.2-0.5	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	375	1/4"	stp	North	1480	1105	A		I	0-0.2	1	3.6	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	375	1/4"	stp	North	1480	1105	A		I	0-0.2	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	376	1/4"	stp	North	1530	1105	A		I	0-0.3	1	6.6	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	376	1/4"	stp	North	1530	1105	A		I	0-0.3	2	0.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	376	1/4"	stp	North	1530	1105	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	376	1/4"	stp	North	1530	1105	A		I	0-0.3	7	3.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	376	1/4"	stp	North	1530	1105	A		I	0-0.3	4	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	376	1/4"	stp	North	1530	1105	A		I	0-0.3	1	0.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	377	1/4"	stp	North	1530	1105	E		II	0.3-0.6	1	3.3	3-4	lithic	debitage	tertiary	flake, complete	rhyolite	gray	plagioclase porphyritic	
44FX0379	377	1/4"	stp	North	1530	1105	E		II	0.3-0.6	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	378	surf	surf	North	1555	1105	surf		surf	0-0	1	43.3	>5	lithic	tool	complete	biface, early stage	quartzite	white	grainy	coarse plano convex, 61.1mm long, 41mm wide, and 21.5mm thick.
44FX0379	378	surf	surf	North	1555	1105	surf		surf	0-0	2	3.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	378	surf	surf	North	1555	1105	surf		surf	0-0	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	379	1/4"	stp	North	1555	1105	E		II	0-0.6	1	1.2	1-2	lithic	tool	fragment	biface, late stage	quartz	white	grainy	fragmentary
44FX0379	379	1/4"	stp	North	1555	1105	E		II	0-0.6	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	379	1/4"	stp	North	1555	1105	E		II	0-0.6	1	3.8	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	379	1/4"	stp	North	1555	1105	E		II	0-0.6	4	7.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	379	1/4"	stp	North	1555	1105	E		II	0-0.6	2	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	379	1/4"	stp	North	1555	1105	E		II	0-0.6	8	4.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	380	1/4"	stp	North	1580	1105	A		I	0-0.3	1	0.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	380	1/4"	stp	North	1580	1105	A		I	0-0.3	1	4.0	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	380	1/4"	stp	North	1580	1105	A		I	0-0.3	3	5.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	380	1/4"	stp	North	1580	1105	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	380	1/4"	stp	North	1580	1105	A		I	0-0.3	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	380	1/4"	stp	North	1580	1105	A		I	0-0.3	1	1.5		lithic	debitage	tertiary	shatter	quartzite	light brown		
44FX0379	381	1/4"	stp	North	1580	1105	E		II	0.3-0.9	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	381	1/4"	stp	North	1580	1105	E		II	0.3-0.9	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	382	surf	surf	North	1580	1105	surf		surf	0-0	3	6.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	382	surf	surf	North	1580	1105	surf		surf	0-0	7	5.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	382	surf	surf	North	1580	1105	surf		surf	0-0	2	3.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	382	surf	surf	North	1580	1105	surf		surf	0-0	2	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	383	1/4"	stp	North	1630	1105	A		I	0-0.2	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	383	1/4"	stp	North	1630	1105	A		I	0-0.2	1	0.1	<1	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	384	1/4"	stp	North	1655	1105	E		II	0.2-0.9	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	385	1/4"	stp	North	1605	1130	A		I	0-0.3	5	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	386	1/4"	stp	North	1505	1130	E		II	0.2-0.6	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	386	1/4"	stp	North	1505	1130	E		II	0.2-0.6	1	5.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	386	1/4"	stp	North	1505	1130	E		II	0.2-0.6	5	7.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	386	1/4"	stp	North	1505	1130	E		II	0.2-0.6	17	9.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	386	1/4"	stp	North	1505	1130	E		II	0.2-0.6	4	0.6	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	387	1/4"	stp	North	1530	1130	A		I	0-0.3	1	4.4	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	387	1/4"	stp	North	1530	1130	A		I	0-0.3	2	2.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	387	1/4"	stp	North	1530	1130	A		I	0-0.3	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	387	1/4"	stp	North	1530	1130	A		I	0-0.3	3	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	388	1/4"	stp	North	1555	1130	A		I	0-0.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	389	1/4"	stp	North	1505	1105	A		I	0-0.3	2	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	389	1/4"	stp	North	1505	1105	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	389	1/4"	stp	North	1505	1105	A		I	0-0.3	1	25.0		lithic	FCR	fragment	fire cracked rock	quartzite	red		
44FX0379	390	1/4"	stp	North	1505	1105	E		II	0.3-0.7	3	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	391	1/4"	stp	North	1580	1180	A		I	0-0.4	1	1.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	392	surf	surf	North	1455	1155	surf		surf	0-0	1	12.0	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	392	surf	surf	North	1455	1155	surf		surf	0-0	1	3.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	392	surf	surf	North	1455	1155	surf		surf	0-0	3	1.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	392	surf	surf	North	1455	1155	surf		surf	0-0	1	3.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	393	1/4"	stp	North	1455	1155	E		II	0.4-1.0	1	12.9	4-5	lithic	debitage	tertiary	core, exhausted	quartzite	gray		amorphous/multidirectional
44FX0379	393	1/4"	stp	North	1455	1155	E		II	0.4-1.0	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	394	1/4"	stp	North	1480	1155	A		I	0-0.4	1	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	395	1/4"	stp	North	1480	1155	E		II	0.4-1.1	1	3.4	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	395	1/4"	stp	North	1480	1155	E		II	0.4-1.1	1	0.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	395	1/4"	stp	North	1480	1155	E		II	0.4-1.1	2	8.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	395	1/4"	stp	North	1480	1155	E		II	0.4-1.1	4	2.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	396	surf	surf	North	1480	1155	surf		surf	0-0	1	3.0	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	396	surf	surf	North	1480	1155	surf		surf	0-0	1	2.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	396	surf	surf	North	1480	1155	surf		surf	0-0	4	2.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	397	surf	surf	North	1505	1155	surf		surf	0-0	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	plagioclase porphyritic	
44FX0379	397	surf	surf	North	1505	1155	surf		surf	0-0	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	397	surf	surf	North	1505	1155	surf		surf	0-0	1	3.0	2-3	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	398	1/4"	stp	North	1580	1155	A		I	0-0.3	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	399	1/4"	stp	North	1555	1080	E		II	0.3-1.1	4	2.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	399	1/4"	stp	North	1555	1080	E		II	0.3-1.1	1	34.4	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	399	1/4"	stp	North	1555	1080	E		II	0.3-1.1	1	13.2		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0379	400	1/4"	stp	South	925	875	E		II	0.4-1.0	1	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	401	1/4"	stp	South	900	900	A		I	0-0.4	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	402	1/4"	stp	South	950	900	A		I	0-0.4	1	0.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	403	surf	surf	South	1000	900	surf		surf	0-0	1	5.6	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section. Mid to distal fragment
44FX0379	404	1/4"	stp	South	925	925	E		II	0.4-1.0	1	3.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	404	1/4"	stp	South	925	925	E		II	0.4-1.0	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	405	1/4"	stp	South	950	925	A		I	0-0.3	1	1.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	405	1/4"	stp	South	950	925	A		I	0-0.3	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	406	1/4"	stp	South	975	925	A		I	0-0.3	1	4.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	406	1/4"	stp	South	975	925	A		I	0-0.3	1	1.1	2-3	lithic	debitage	tertiary	flake, complete	quartzite	red		
44FX0379	406	1/4"	stp	South	975	925	A		I	0-0.3	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	407	surf	surf	South	900	950	surf		surf	0-0	1	11.6	3-4	lithic	tool	complete	biface, mid stage	quartz	white	grainy	ovate form, 34mm long, 29.8mm wide, and 13.5mm thick. Coarse asymmetrical
44FX0379	408	1/4"	stp	South	950	950	A		I	0-0.3	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	408	1/4"	stp	South	950	950	A		I	0-0.3	2	2.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	408	1/4"	stp	South	950	950	A		I	0-0.3	1	2.7		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	409	1/4"	stp	South	950	950	E		II	0.3-1.1	1	2.0	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	409	1/4"	stp	South	950	950	E		II	0.3-1.1	1	0.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	409	1/4"	stp	South	950	950	E		II	0.3-1.1	4	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	410	1/4"	stp	South	975	950	A		I	0-0.2	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartzite	yellowish brown		
44FX0379	410	1/4"	stp	South	975	950	A		I	0-0.2	1	3.8	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	410	1/4"	stp	South	975	950	A		I	0-0.2	2	2.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	410	1/4"	stp	South	975	950	A		I	0-0.2	9	3.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	410	1/4"	stp	South	975	950	A		I	0-0.2	1	0.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	411	1/4"	stp	South	975	950	E		II	0.2-0.8	1	3.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	411	1/4"	stp	South	975	950	E		II	0.2-0.8	2	2.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	412	surf	surf	South	975	950	surf		surf	0-0	1	12.7	3-4	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Basal fragment
44FX0379	412	surf	surf	South	975	950	surf		surf	0-0	1	4.0	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	412	surf	surf	South	975	950	surf		surf	0-0	1	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	412	surf	surf	South	975	950	surf		surf	0-0	2	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	412	surf	surf	South	975	950	surf		surf	0-0	1	1.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	413	surf	surf	South	1025	950	surf		surf	0-0	1	10.7	4-5	lithic	tool	partial	ppk, Small Savannah River	quartzite	red		biconvex x-section. straight symmetrical blade margins, missing distal. 44.1mm long*, 25.8mm wide, 8.5mm thick. Stem 16.2mm long, 17.9mm wide and 15.4mm wide neck. Lightly concaved stem.
44FX0379	414	1/4"	stp	South	850	1000	A		I	0-0.4	2	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	415	1/4"	stp	South	850	1000	E		II	0.4-1.4	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	415	1/4"	stp	South	850	1000	E		II	0.4-1.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	416	1/4"	stp	South	950	975	A		I	0-0.3	2	2.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	416	1/4"	stp	South	950	975	A		I	0-0.3	6	2.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	417	1/4"	stp	South	950	975	E		II	0.3-1.0	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	417	1/4"	stp	South	950	975	E		II	0.3-1.0	1	9.0		lithic	debitage	secondary	shatter	quartz	white	milky/grainy	
44FX0379	418	surf	surf	South	950	975	surf		surf	0-0	1	21.3	4-5	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Basal fragment
44FX0379	419	1/4"	stp	South	975	975	E		II	0.3-0.6	2	3.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	419	1/4"	stp	South	975	975	E		II	0.3-0.6	1	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray	grainy	
44FX0379	419	1/4"	stp	South	975	975	E		II	0.3-0.6	6	4.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	1	8.4	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	biconvex x-section. distal fragment
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	1	13.7	4-5	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Basal fragment
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	1	149.2	>5	lithic	unmodified	complete	cobble	quartzite	reddish brown		thermal spalling
44FX0379	420	1/4"	stp	South	1000	975	E		II	0.2-0.7	1	1.5		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0379	421	surf	surf	South	1000	975	surf		surf	0-0	1	4.9	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	421	surf	surf	South	1000	975	surf		surf	0-0	2	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	422	1/4"	stp	South	1025	975	B		III	0.7-1.1	1	1.3	1-2	lithic	debitage	secondary	flake, fragment	quartz	gray	grainy	
44FX0379	423	1/4"	stp	South	900	1000	A		I	0-0.5	1	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	424	1/4"	stp	South	925	1000	E		II	0.4-1.1	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	424	1/4"	stp	South	925	1000	E		II	0.4-1.1	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	425	1/4"	stp	South	950	1000	E		II	0.4-1.4	1	1.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	425	1/4"	stp	South	950	1000	E		II	0.4-1.4	2	3.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	425	1/4"	stp	South	950	1000	E		II	0.4-1.4	7	3.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	425	1/4"	stp	South	950	1000	E		II	0.4-1.4	5	0.6	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	426	1/4"	stp	South	975	1000	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	426	1/4"	stp	South	975	1000	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	426	1/4"	stp	South	975	1000	A		I	0-0.3	1	0.7	2-3	lithic	debitage	primary	flake, fragment	quartz	white	grainy	
44FX0379	426	1/4"	stp	South	975	1000	A		I	0-0.3	4	7.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	426	1/4"	stp	South	975	1000	A		I	0-0.3	9	4.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	426	1/4"	stp	South	975	1000	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	427	1/4"	stp	South	975	1000	E		II	0.3-0.9	1	0.6	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	427	1/4"	stp	South	975	1000	E		II	0.3-0.9	20	9.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	427	1/4"	stp	South	975	1000	E		II	0.3-0.9	2	3.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	427	1/4"	stp	South	975	1000	E		II	0.3-0.9	2	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	428	1/4"	stp	South	1000	1000	A		I	0-0.2	1	2.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	428	1/4"	stp	South	1000	1000	A		I	0-0.2	4	2.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	429	1/4"	stp	South	1000	1000	E		II	0.2-1.1	3	6.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	429	1/4"	stp	South	1000	1000	E		II	0.2-1.1	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	429	1/4"	stp	South	1000	1000	E		II	0.2-1.1	1	1.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	430	surf	surf	South	1000	1000	surf		surf	0-0	1	5.7	3-4	lithic	tool	complete	ppk, Lamoka	quartz	red white	grainy	biconvex x-section. straight symmetrical blade margins, missing distal. 37mm long*, 20.4mm wide, 8.8mm thick. Stem 13.6mm long, 16.9mm wide
44FX0379	430	surf	surf	South	1000	1000	surf		surf	0-0	1	2.8	3-4	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0379	430	surf	surf	South	1000	1000	surf		surf	0-0	1	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	430	surf	surf	South	1000	1000	surf		surf	0-0	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	431	1/4"	stp	South	1025	1000	A		I	0-0.3	1	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	431	1/4"	stp	South	1025	1000	A		I	0-0.3	1	13.4	4-5	lithic	tool	fragment	ppk, Small Savannah River	quartz	white	grainy	biconvex x-section. straight symmetrical blade margins, basal to mid section. 42.5mm long*, 29.6mm wide, 10.2mm thick. Stem 18.4mm long, 23.2mm wide
44FX0379	432	1/4"	stp	South	1025	1000	E		II	0.3-1.1	1	3.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	432	1/4"	stp	South	1025	1000	E		II	0.3-1.1	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	432	1/4"	stp	South	1025	1000	E		II	0.3-1.1	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	433	1/4"	stp	South	825	1025	A		I	0-0.4	1	5.2	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	433	1/4"	stp	South	825	1025	A		I	0-0.4	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	433	1/4"	stp	South	825	1025	A		I	0-0.4	4	2.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	433	1/4"	stp	South	825	1025	A		I	0-0.4	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	434	1/4"	stp	South	825	1025	E		II	0.4-0.6	1	1.0	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	434	1/4"	stp	South	825	1025	E		II	0.4-0.6	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	434	1/4"	stp	South	825	1025	E		II	0.4-0.6	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	435	1/4"	stp	South	850	1025	E		II	0.4-1.0	1	9.1	4-5	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	435	1/4"	stp	South	850	1025	E		II	0.4-1.0	2	3.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	435	1/4"	stp	South	850	1025	E		II	0.4-1.0	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	435	1/4"	stp	South	850	1025	E		II	0.4-1.0	7	3.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	435	1/4"	stp	South	850	1025	E		II	0.4-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	435	1/4"	stp	South	850	1025	E		II	0.4-1.0	1	5.0		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	436	1/4"	stp	South	875	1025	E		II	0.2-1.2	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	436	1/4"	stp	South	875	1025	E		II	0.2-1.2	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	436	1/4"	stp	South	875	1025	E		II	0.2-1.2	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	436	1/4"	stp	South	875	1025	E		II	0.2-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	437	1/4"	stp	South	950	1025	A		I	0-0.2	2	2.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	437	1/4"	stp	South	950	1025	A		I	0-0.2	3	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	437	1/4"	stp	South	950	1025	A		I	0-0.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	438	1/4"	stp	South	950	1025	E		II	0.2-0.8	1	2.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	438	1/4"	stp	South	950	1025	E		II	0.2-0.8	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	439	surf	surf	South	975	1025	surf		surf	0-0	2	1.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	439	surf	surf	South	975	1025	surf		surf	0-0	1	4.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	439	surf	surf	South	975	1025	surf		surf	0-0	3	11.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	439	surf	surf	South	975	1025	surf		surf	0-0	2	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	440	1/4"	stp	South	975	1025	E		II	0.2-0.6	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	440	1/4"	stp	South	975	1025	E		II	0.2-0.6	2	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	440	1/4"	stp	South	975	1025	E		II	0.2-0.6	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	441	surf	surf	South	1000	1025	surf		surf	0-0	1	9.4	4-5	lithic	tool	complete	ppk, Lamoka	quartz	white	grainy	biconvex x-section. straight symmetrical blade margins. 41.7mm long, 21.6mm wide, 12mm thick. Stem 13.4mm long, 12.2mm wide
44FX0379	441	surf	surf	South	1000	1025	surf		surf	0-0	1	7.6	3-4	lithic	tool	partial	biface, late stage	quartz	white	grainy	biconvex x-section. straight symmetrical blade margins, missing distal and basal portions. 37.7mm long*, 24.7mm wide, 8.7mm thick. Stem 14.4mm long*, 19mm wide. Flake morphology present
44FX0379	441	surf	surf	South	1000	1025	surf		surf	0-0	3	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	442	1/4"	stp	South	1000	1025	A		I	0-0.3	2	4.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	442	1/4"	stp	South	1000	1025	A		I	0-0.3	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	443	1/4"	stp	South	1025	1025	A		I	0-0.2	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	444	1/4"	stp	South	1025	1025	E		II	0.2-1.0	1	5.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	444	1/4"	stp	South	1025	1025	E		II	0.2-1.0	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	445	1/4"	stp	South	825	1050	A		I	0-0.4	4	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	445	1/4"	stp	South	825	1050	A		I	0-0.4	3	0.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	445	1/4"	stp	South	825	1050	A		I	0-0.4	2	1.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	446	1/4"	stp	South	825	1050	E		II	0.4-1.0	2	1.0	1-2	lithic	debitage	tertiary	flake, complete	rhyolite	gray	plagioclase porphyritic	
44FX0379	446	1/4"	stp	South	825	1050	E		II	0.4-1.0	1	0.6	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	446	1/4"	stp	South	825	1050	E		II	0.4-1.0	1	2.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	446	1/4"	stp	South	825	1050	E		II	0.4-1.0	6	3.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	447	surf	surf	South	825	1050	surf		surf	0-0	1	3.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	448	1/4"	stp	South	850	1050	A		I	0-0.4	1	2.8	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	448	1/4"	stp	South	850	1050	A		I	0-0.4	1	8.5	3-4	lithic	tool	fragment	biface, unid.	quartz	white	grainy	unid. margin, biconvex x-section
44FX0379	449	1/4"	stp	South	850	1050	E		II	0.4-1.0	1	6.3	3-4	lithic	tool	fragment	biface, unid.	quartz	white	streaked/grainy	unid. margin, biconvex x-section
44FX0379	449	1/4"	stp	South	850	1050	E		II	0.4-1.0	1	0.9		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	450	1/4"	stp	South	875	1050	A		I	0-0.3	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	450	1/4"	stp	South	875	1050	A		I	0-0.3	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	451	1/4"	stp	South	900	1050	A		I	0-0.4	1	3.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	451	1/4"	stp	South	900	1050	A		I	0-0.4	2	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	452	1/4"	stp	South	925	1050	A		I	0-0.4	1	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	452	1/4"	stp	South	925	1050	A		I	0-0.4	5	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	452	1/4"	stp	South	925	1050	A		I	0-0.4	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	453	surf	surf	South	925	1050	surf		surf	0-0	1	11.7	4-5	lithic	tool	fragment	biface, unid.	quartz	white	streaked/grainy	unid. margin, biconvex x-section
44FX0379	454	1/4"	stp	South	950	1050	A		I	0-0.2	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	455	1/4"	stp	South	950	1050	E		II	0.2-0.8	1	4.4	3-4	lithic	tool	complete	ppk, Clagett	rhyolite	weathered grayish light brown	aphyric	biconvex x-section. convex symmetrical blade margins, missing tip. 36.1mm long*, 19.1mm wide, 6.2mm thick. Stem 13.7mm long, 18.7mm wide and 13.9mm neck. Lightly convexed. Eroded
44FX0379	456	1/4"	stp	South	975	1050	A		I	0-0.2	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	white	grainy	
44FX0379	457	1/4"	stp	South	975	1050	E		II	0.2-0.6	4	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	458	1/4"	stp	South	1000	1050	A		I	0-0.4	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	459	1/4"	stp	South	1000	1050	E		II	0.4-1.1	1	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	459	1/4"	stp	South	1000	1050	E		II	0.4-1.1	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	460	1/4"	stp	South	1025	1050	A		I	0-0.2	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartzite	yellowish brown		
44FX0379	460	1/4"	stp	South	1025	1050	A		I	0-0.2	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	460	1/4"	stp	South	1025	1050	A		I	0-0.2	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	460	1/4"	stp	South	1025	1050	A		I	0-0.2	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	460	1/4"	stp	South	1025	1050	A		I	0-0.2	2	0.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	461	1/4"	stp	South	1025	1050	E		II	0.2-0.8	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	461	1/4"	stp	South	1025	1050	E		II	0.2-0.8	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	461	1/4"	stp	South	1025	1050	E		II	0.2-0.8	2	2.3		lithic	debitage	tertiary	shatter	quartz	gray	grainy	
44FX0379	462	1/4"	stp	South	825	1075	A		I	0-0.3	2	5.5	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0379	462	1/4"	stp	South	825	1075	A		I	0-0.3	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0379	462	1/4"	stp	South	825	1075	A		I	0-0.3	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	463	surf	surf	South	825	1075	surf		surf	0-0	1	15.5	3-4	lithic	tool	partial	biface, mid stage	quartz	white	grainy	biconvex x-section, coarse
44FX0379	463	surf	surf	South	825	1075	surf		surf	0-0	1	3.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	463	surf	surf	South	825	1075	surf		surf	0-0	3	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	464	1/4"	stp	South	825	1075	E		II	0.3-1.1	1	7.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	464	1/4"	stp	South	825	1075	E		II	0.3-1.1	3	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	465	1/4"	stp	South	850	1075	A		I	0-1.0	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	465	1/4"	stp	South	850	1075	A		I	0-1.0	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	465	1/4"	stp	South	850	1075	A		I	0-1.0	3	7.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	466	surf	surf	South	850	1075	surf		surf	0-0	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	light gray		
44FX0379	467	1/4"	stp	South	875	1075	E		II	0.3-0.9	1	2.8	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	467	1/4"	stp	South	875	1075	E		II	0.3-0.9	1	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0379	467	1/4"	stp	South	875	1075	E		II	0.3-0.9	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	468	1/4"	stp	South	900	1075	A		I	0-0.6	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	469	1/4"	stp	South	925	1075	A		I	0-0.4	2	11.2	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	469	1/4"	stp	South	925	1075	A		I	0-0.4	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	469	1/4"	stp	South	925	1075	A		I	0-0.4	2	3.7		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0379	469	1/4"	stp	South	925	1075	A		I	0-0.4	1	2.2		lithic	debitage	secondary	shatter	quartz	white	streaked/grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	470	1/4"	stp	South	975	1075	A		I	0-0.4	4	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	471	1/4"	stp	South	825	1100	A		I	0-0.3	1	1.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	472	surf	surf	South	825	1100	surf		surf	0-0	1	7.8		lithic	debitage	secondary	shatter	quartz	white	streaked/grainy	
44FX0379	473	1/4"	stp	South	875	1100	A		I	0-0.2	1	2.5	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0379	473	1/4"	stp	South	875	1100	A		I	0-0.2	1	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	474	1/4"	stp	South	950	110	A		I	0-0.5	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	475	1/4"	stp	South	1025	1100	E		II	0.2-1.2	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	476	1/4"	stp	South	850	1125	A		I	0-0.3	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	477	1/4"	stp	South	850	1125	E		II	0.3-1.0	1	4.0	3-4	lithic	debitage	tertiary	flake, complete	rhyolite	gray	plagioclase porphyritic	
44FX0379	477	1/4"	stp	South	850	1125	E		II	0.3-1.0	2	1.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	477	1/4"	stp	South	850	1125	E		II	0.3-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	477	1/4"	stp	South	850	1125	E		II	0.3-1.0	1	4.0	3-4	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered gray	aphyric	
44FX0379	477	1/4"	stp	South	850	1125	E		II	0.3-1.0	1	1.3	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	477	1/4"	stp	South	850	1125	E		II	0.3-1.0	1	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	478	1/4"	stp	South	850	1125	E		II	1.0	1	2.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	479	1/4"	stp	South	1025	1125	E		II	0.2-0.8	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	479	1/4"	stp	South	1025	1125	E		II	0.2-0.8	1	5.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	480	1/4"	stp	South	850	1150	E		II	0.4-1.4	1	0.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	481	1/4"	stp	South	925	1150	E		II	0.4-0.8	1	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	481	1/4"	stp	South	925	1150	E		II	0.4-0.8	1	2.0		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	482	1/4"	stp	South	1025	1150	E		II	0.2-0.8	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	rhyolite	gray	aphyric	
44FX0379	483	1/4"	stp	South	925	975	E		II	0.3-1.0	4	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	484	surf	surf	South	996	854	surf		surf	0-0	1	4.2	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	likely fractured in preform stage. Fractured longitudinally from stem to mid section.
44FX0379	485	1/4"	stp	South	1000	875	A		I	0-0.4	1	20.5		lithic	FCR	fragment	fire cracked rock	quartzite	red		
44FX0379	486	surf	surf	South	1100	1075	surf		surf	0-0	2	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	487	1/4"	stp	South	1050	1050	E		II	0.3-0.8	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	488	1/4"	stp	South	1075	1100	A		I	0-0.4	1	1.2	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	488	1/4"	stp	South	1075	1100	A		I	0-0.4	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	489	surf	surf	South	1075	1100	surf		surf	0-0	1	4.7	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	489	surf	surf	South	1075	1100	surf		surf	0-0	1	3.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	490	1/4"	stp	South	1100	1100	A		I	0-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	rhyolite	weathered gray	aphyric	
44FX0379	490	1/4"	stp	South	1100	1100	A		I	0-0.4	6	2.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	490	1/4"	stp	South	1100	1100	A		I	0-0.4	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	chert	light gray	opaque	
44FX0379	490	1/4"	stp	South	1100	1100	A		I	0-0.4	1	92.4	>5	lithic	unmodified	complete	cobble	quartzite	light brown		
44FX0379	491	1/4"	stp	South	1100	1100	E		II	0.4-1.1	1	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartzite	reddish brown		
44FX0379	491	1/4"	stp	South	1100	1100	E		II	0.4-1.1	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	491	1/4"	stp	South	1100	1100	E		II	0.4-1.1	1	2.2	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	491	1/4"	stp	South	1100	1100	E		II	0.4-1.1	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered gray	aphyric	
44FX0379	491	1/4"	stp	South	1100	1100	E		II	0.4-1.1	5	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	red, white	grainy	
44FX0379	491	1/4"	stp	South	1100	1100	E		II	0.4-1.1	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	492	surf	surf	South	1100	1100	surf		surf	0-0	1	13.8	4-5	lithic	tool	fragment	ppk, Susquehanna Broadspear	quartzite	gray		unid. corner notched. Likely Kirk. 35.6mm wide and 10mm thick
44FX0379	492	surf	surf	South	1100	1100	surf		surf	0-0	3	6.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	492	surf	surf	South	1100	1100	surf		surf	0-0	1	2.2	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	milky/grainy	
44FX0379	492	surf	surf	South	1100	1100	surf		surf	0-0	9	6.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	493	surf	surf	South	1050	1125	surf		surf	0-0	1	8.6	4-5	lithic	tool	fragment	biface, late stage	quartz	white	grainy	distal fragment, biconvex x-section
44FX0379	493	surf	surf	South	1050	1125	surf		surf	0-0	1	20.4	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	494	1/4"	stp	South	1075	1125	E		II	0.5-1.1	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	494	1/4"	stp	South	1075	1125	E		II	0.5-1.1	3	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	494	1/4"	stp	South	1075	1125	E		II	0.5-1.1	2	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	495	1/4"	stp	South	1100	1125	E		II	0.2-0.8	2	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	495	1/4"	stp	South	1100	1125	E		II	0.2-0.8	1	0.7		lithic	debitage	secondary	shatter	quartz	gray	grainy	
44FX0379	496	surf	surf	South	1100	1125	surf		surf	0-0	1	4.0	3-4	lithic	tool	tertiary	graver	quartz	white	grainy	
44FX0379	496	surf	surf	South	1100	1125	surf		surf	0-0	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	497	1/4"	stp	South	1125	1125	A		I	0-0.4	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered gray	aphyric	
44FX0379	497	1/4"	stp	South	1125	1125	A		I	0-0.4	5	2.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	497	1/4"	stp	South	1125	1125	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	1	11.1	4-5	lithic	tool	fragment	biface, late stage	quartz	white	grainy	distal fragment, biconvex x-section
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	1	6.5	3-4	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	1	2.7	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	streaked/grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	2	3.7	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	2	1.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	1	12.9	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	3	7.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	11	7.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	1	25.4	4-5	lithic	debitage	secondary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0379	498	surf	surf	South	1125	1125	surf		surf	0-0	1	1.9		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	499	surf	surf	South	1100	1150	surf		surf	0-0	1	2.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	500	1/4"	stp	South	1075	1150	A		I	0-0.4	1	1.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	501	1/4"	stp	South	1075	1150	E		II	0.4-0.8	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	501	1/4"	stp	South	1075	1150	E		II	0.4-0.8	3	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	502	1/4"	stp	South	1125	1175	E		II	0.4-0.9	1	11.5		lithic	debitage	secondary	shatter	quartz	white	milky/grainy	
44FX0379	551	surf	surf	South	900	900	surf		surf	0-0	1	23.5	4-5	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	distal fragment, biconvex x-section
44FX0379	562	1/4"	tu	18	1280	1081	A	1	I	0-0.2	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	562	1/4"	tu	18	1280	1081	A	1	I	0-0.2	1	4.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0379	562	1/4"	tu	18	1280	1081	A	1	I	0-0.2	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	562	1/4"	tu	18	1280	1081	A	1	I	0-0.2	6	2.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	562	1/4"	tu	18	1280	1081	A	1	I	0-0.2	1	3.5	2-3	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	5.4	3-4	lithic	tool	fragment	biface, unid.	quartz	white	grainy	unid. margin, biconvex x-section
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	13.4	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	3.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	14	3.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	0.4	1-2	lithic	debitage	primary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	563	1/4"	tu	18	1280	1081	E	2	II	0.2-4.5	1	0.4		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0379	564	1/4"	tu	18	1280	1081	B	4	III	0.7-1.0	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	564	1/4"	tu	18	1280	1081	B	4	III	0.7-1.0	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	564	1/4"	tu	18	1280	1081	B	4	III	0.7-1.0	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	5.8	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	2.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	2	5.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	streaked/grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	6	2.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	2	12.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	0.3	1-2	lithic	debitage	secondary	flake, fragment	quartzite	yellowish brown		
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	reddish brown		
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered gray	aphyric	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	25	51.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	116	59.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	0.6	1-2	lithic	debitage	primary	flake, fragment	quartz	red white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	16	2.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	1.0		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	6.7	3-4	lithic	tool	fragment	biface, early stage	quartz	white	grainy	distal fragment, biconvex x-section
44FX0379	565	1/4"	tu	17	1252	1056	A	1	I	0-0.25	1	1.9	2-3	lithic	tool	fragment	biface, late stage	quartz	white	grainy	possible lanceolate form, mat just be stem.
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	4	4.6	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	1	0.4	1-2	lithic	debitage	secondary	flake, complete	quartzite	yellowish brown		
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	2	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	14	31.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	30	19.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	15	1.8	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	566	1/4"	tu	17	1252	1056	E	2	II	0.25-0.5	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	567	1/4"	tu	17	1252	1056	E	3	II	0.5-0.75	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	567	1/4"	tu	17	1252	1056	E	3	II	0.5-0.75	2	2.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	567	1/4"	tu	17	1252	1056	E	3	II	0.5-0.75	7	4.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	567	1/4"	tu	17	1252	1056	E	3	II	0.5-0.75	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered gray	aphyric	
44FX0379	567	1/4"	tu	17	1252	1056	E	3	II	0.5-0.75	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	567	1/4"	tu	17	1252	1056	E	3	II	0.5-0.75	2	2.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	568	1/4"	tu	17	1252	1056	E	4	II	0.75-1.0	1	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	568	1/4"	tu	17	1252	1056	E	4	II	0.75-1.0	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0379	568	1/4"	tu	17	1252	1056	E	4	II	0.75-1.0	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	568	1/4"	tu	17	1252	1056	E	4	II	0.75-1.0	3	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	1	4.6	3-4	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch and wear to distal margin.
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	1	1.6	2-3	lithic	debitage	primary	flake, fragment	chert	dark gray	opaque	
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	10	3.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	2	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	569	1/4"	tu	16	1306	1002	A	1	I	0-0.15	1	1.7		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	0.8	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	2	16.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	13	28.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	24	14.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	5	0.8	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	4.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	11.4	4-5	lithic	tool	tertiary	utilized flake, complete	quartz	white	grainy	wear/polishing to margins
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	7.4	4-5	lithic	tool	complete	ppk, Lamoka	quartzite	yellowish brown		biconvex x-section. convex asymmetrical blade margins, heavily resharpened on lateral side. 43.5mm long, 19.6mm wide, 10.2mm thick. Stem 14.8mm long and 17mm wide. Lightly convexed.
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	6.0	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	unid. margin, biconvex x-section
44FX0379	570	1/4"	tu	16	1306	1002	E	2	II	0.15-0.4	1	4.1	2-3	lithic	tool	fragment	biface, late stage	quartz	white	grainy	possible lanceolate form, mat just be stem.
44FX0379	571	1/4"	tu	16	1306	1002	E	3	II	0.4-0.65	1	4.2	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	571	1/4"	tu	16	1306	1002	E	3	II	0.4-0.65	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	571	1/4"	tu	16	1306	1002	E	3	II	0.4-0.65	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	571	1/4"	tu	16	1306	1002	E	3	II	0.4-0.65	3	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	571	1/4"	tu	16	1306	1002	E	3	II	0.4-0.65	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	571	1/4"	tu	16	1306	1002	E	3	II	0.4-0.65	1	0.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartzite	gray		

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	1	6.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	4	6.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	1	1.3	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	11	5.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	572	1/4"	tu	19	976	998	A	1	I	0-0.10	3	0.4	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	30.8	4-5	lithic	tool	complete	biface, early stage	quartz	white	grainy	biconvex x-section
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	3	4.7	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	4	2.0	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	3.1	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	7.0	3-4	lithic	debitage	secondary	flake, fragment	quartzite	red		
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	2.9	2-3	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered gray	aphyric	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	9	24.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	1.0	1-2	lithic	debitage	secondary	flake, fragment	quartzite	yellowish brown		
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	gray	plagioclase porphyritic	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	51	22.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	17	2.7	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	573	1/4"	tu	19	976	998	E	2	II	0.1-0.35	1	0.7		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	574	1/4"	tu	19	976	998	E	3	II	0.35-0.60	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	574	1/4"	tu	19	976	998	E	3	II	0.35-0.60	6	2.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	574	1/4"	tu	19	976	998	E	3	II	0.35-0.60	1	0.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	1	2.5	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	2	1.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	2	9.0	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	15	5.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	575	1/4"	tu	21	971	949	A	1	I	0-0.2	5	0.6	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	576	1/4"	tu	21	971	949	E	2	II	0.2-0.45	1	0.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	576	1/4"	tu	21	971	949	E	2	II	0.2-0.45	4	7.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	576	1/4"	tu	21	971	949	E	2	II	0.2-0.45	8	4.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	576	1/4"	tu	21	971	949	E	2	II	0.2-0.45	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0379	576	1/4"	tu	21	971	949	E	2	II	0.2-0.45	1	1.9		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	577	1/4"	tu	21	971	949	E	3	II	0.45-0.7	1	1.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	577	1/4"	tu	21	971	949	E	3	II	0.45-0.7	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0379	577	1/4"	tu	21	971	949	E	3	II	0.45-0.7	5	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	577	1/4"	tu	21	971	949	E	3	II	0.45-0.7	5	0.9	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	577	1/4"	tu	21	971	949	E	3	II	0.45-0.7	1	1.6	1-2	lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0379	578	1/4"	tu	20	1022	1000	A	1	I	0-0.1	3	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	579	1/4"	tu	20	1022	1000	E	2	II	0.1-0.35	1	2.1	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0379	579	1/4"	tu	20	1022	1000	E	2	II	0.1-0.35	2	2.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	579	1/4"	tu	20	1022	1000	E	2	II	0.1-0.35	2	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	579	1/4"	tu	20	1022	1000	E	2	II	0.1-0.35	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	580	1/4"	tu	20	1022	1000	E	4	II	0.6-0.8	1	3.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0379	581	1/4"	tu	23	1306	1005	A	1	I	0-0.2	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	1	26.9	4-5	lithic	tool	partial	biface, early stage	quartz	white	grainy	biconvex x-section, coarse
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	1	5.1	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	2	6.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	5	2.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	2	1.7	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0379	582	1/4"	tu	23	1306	1005	E	2	II	0.2-0.45	2	30.3		lithic	FCR	fragment	fire cracked rock	quartzite	red, yellowish brown		
44FX0381	138	1/4"	stp		2975	3050	A		I	0-0.8	3	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	127	1/4"	stp		3000	2975	A		I	0-0.4	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	red white		
44FX0381	127	1/4"	stp		3000	2975	A		I	0-0.4	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	smooth	
44FX0381	128	1/4"	stp		3000	2975	B		II	0.4-1.2	1	2.6	2-3	lithic	tool	fragment	biface, late stage	quartz	white	smooth	biconvex x-section, ovate basal fragment. 20.4mm wide by 8.1mm thick.
44FX0381	141	1/4"	stp		3000	3050	E		II	0.4-1.0	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	141	1/4"	stp		3000	3075	A		I	0-0.25	2	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	141	1/4"	stp		3000	3075	A		I	0-0.25	1	0.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	156	surf	surf	3m N	3000	3075	surf		surf	0-0	1	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	145	1/4"	stp		3025	2950	A		I	0-0.6	1	3.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	157	1/4"	stp		3025	3075	A		I	0-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	152	1/4"	stp		3025	3100	A		I	0-0.6	1	4.7	4-5	lithic	tool	complete	biface, drill	argillite	pale green		worn/eroded. 46.8mm long*, 22.7mm wide base 6.6mm thick. Missing distal portion
44FX0381	153	1/4"	stp		3025	3100	B		II	0.6-1.3	1	5.5		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	153	1/4"	stp		3025	3100	B		II	0.6-1.3	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	515	1/4"	tu	5	3027	3100	A	1	I	0-0.25	3	4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	515	1/4"	tu	5	3027	3100	A	1	I	0-0.25	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	515	1/4"	tu	5	3027	3100	A	1	I	0-0.25	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0381	516	1/4"	tu	5	3027	3100	E	2	II	0.25-0.5	1	14.7	4-5	lithic	debitage	tertiary	bipolar flake, fragment	quartzite	yellowish brown		
44FX0381	516	1/4"	tu	5	3027	3100	E	2	II	0.25-0.5	1	14.6	4-5	lithic	debitage	tertiary	bipolar flake, fragment	quartzite	gray		
44FX0381	516	1/4"	tu	5	3027	3100	E	2	II	0.25-0.5	3	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	516	1/4"	tu	5	3027	3100	E	2	II	0.25-0.5	1	2.8		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0381	517	1/4"	tu	5	3027	3100	E	3	II	0.5-0.75	4	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	517	1/4"	tu	5	3027	3100	E	3	II	0.5-0.75	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	517	1/4"	tu	5	3027	3100	E	3	II	0.5-0.75	1	5.3	3-4	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0381	517	1/4"	tu	5	3027	3100	E	3	II	0.5-0.75	1	2.7	3-4	lithic	tool	complete	ppk, Madison	quartz	white	grainy	biconvex x-section. symmetrical straight blade margins. 28.6mm long, 20 wide, 5.3mm thick.
44FX0381	518	1/4"	tu	5	3027	3100	E	4	II	0.75-1.0	3	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	518	1/4"	tu	5	3027	3100	E	4	II	0.75-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	519	1/4"	tu	5	3027	3100	E	5	II	1.0-1.25	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	161	1/4"	stp		3050	2900	E		II	0.4-1.1	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	161	1/4"	stp		3050	2900	E		II	0.4-1.1	1	25		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0381	136	1/4"	stp		3050	3025	A		I	0-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	142	1/4"	stp		3050	3075	A		I	0-0.25	1	14.8	4-5	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0381	154	1/4"	stp		3050	3100	A		I	0-0.6	1	2.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	164	1/4"	stp		3075	2850	A		I	0-0.4	1	3.3	2-3	lithic	tool	tertiary	retouched flake, complete	quartz	white	grainy	unifacial retouch to single lateral distal margin
44FX0381	164	1/4"	stp		3075	2850	A		I	0-0.4	1	1.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	162	1/4"	stp		3075	2900	A		I	0-0.3	1	3.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	158	surf	surf	3m W	3075	2925	surf		surf	0-0	1	53.1		lithic	debitage	secondary	shatter	quartz	white	red white	
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	1	3.3	3-4	lithic	tool	partial	ppk, Madison	quartz	red white	grainy	biconvex x-section. Symmetrical straight blade margins. 26.5mm long*, 20mm wide, 6.3mm thick. Missing distal.
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	1	43.8	>5	lithic	tool	complete	biface, early stage	quartz	red white	grainy	66mm long, 31.6mm wide, and 20.9mm thick
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	1	39.9	>5	lithic	debitage	tertiary	flake, fragment	quartz	red white	grainy	
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	1	1.6	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	streaked	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	1	2.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	2	2.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	2	118.2		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0381	159	1/4"	stp		3075	2925	A		I	0-0.4	10	32.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	160	1/4"	stp		3075	2925	B		II	0.4-0.9	3	12.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	129	1/4"	stp		3075	2975	A		I	0-0.5	1	4.2	2-3	lithic	tool	fragment	biface, late stage	quartz	gray	grainy	biconvex x-section, ovate basal fragment. 20.1mm wide by 8.2mm thick.
44FX0381	129	1/4"	stp		3075	2975	A		I	0-0.5	1	30.3	>5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0381	130	1/4"	stp		3075	2975	E		II	0.5-0.9	1	2.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	137	1/4"	stp		3075	3025	A		I	0-0.4	1	10.7	3-4	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section.
44FX0381	137	1/4"	stp		3075	3025	A		I	0-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish		
44FX0381	137	1/4"	stp		3075	3025	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0381	139	1/4"	stp		3075	3050	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0381	139	1/4"	stp		3075	3050	A		I	0-0.4	1	11.1	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	139	1/4"	stp		3075	3050	A		I	0-0.4	1	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	140	1/4"	stp		3075	3050	B		II	0.4-1.2	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	150	1/4"	stp		3075	3125	B		II	0.5-1.5	1	25.3	4-5	lithic	tool	fragment	biface, early stage	quartz	white	grainy	coarse and irregular
44FX0381	150	1/4"	stp		3075	3125	B		II	0.5-1.5	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	149	1/4"	stp		3075	3150	E		II	0.4-1.2	1	7.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	149	1/4"	stp		3075	3150	E		II	0.4-1.2	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	149	1/4"	stp		3075	3150	E		II	0.4-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	512	1/4"	tu	4	3076	2922	A	1	I	0-0.25	1	11.5	4-5	lithic	debitage	primary	flake, fragment	quartzite	brownish gray		
44FX0381	512	1/4"	tu	4	3076	2922	A	1	I	0-0.25	1	6.1	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	512	1/4"	tu	4	3076	2922	A	1	I	0-0.25	1	4.9	3-4	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0381	512	1/4"	tu	4	3076	2922	A	1	I	0-0.25	1	7.1	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	512	1/4"	tu	4	3076	2922	A	1	I	0-0.25	3	10.6	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red brownish gray		
44FX0381	512	1/4"	tu	4	3076	2922	A	1	I	0-0.25	21	35.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	513	1/4"	tu	4	3076	2922	E	2	II	0.25-0.5	1	8	4-5	lithic	debitage	primary	flake, fragment	quartzite	brownish gray		
44FX0381	513	1/4"	tu	4	3076	2922	E	2	II	0.25-0.5	3	7.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	513	1/4"	tu	4	3076	2922	E	2	II	0.25-0.5	7	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	513	1/4"	tu	4	3076	2922	E	2	II	0.25-0.5	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0381	513	1/4"	tu	4	3076	2922	E	2	II	0.25-0.5	23	97.2		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0381	514	1/4"	tu	4	3076	2922	E	3	II	0.5-0.75	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	514	1/4"	tu	4	3076	2922	E	3	II	0.5-0.75	1	5.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	163	1/4"	stp		3100	2875	A		I	0-0.4	1	3.2	2-3	lithic	debitage	tertiary	flake, complete	quartzite	yellowish brown		
44FX0381	132	1/4"	stp		3100	3025	A		I	0-0.4	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	132	1/4"	stp		3100	3025	A		I	0-0.4	1	9.1		lithic	debitage	secondary	shatter	quartz	gray white	grainy	
44FX0381	155	1/4"	stp		3100	3100	A		I	0-0.4	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	131	surf	surf	12ft NW	3125	2975	surf		surf	0-0	1	9.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	151	1/4"	stp		3125	3125	A		I	0-0.5	1	11.1		lithic	debitage	primary	shatter	quartz	white	grainy	
44FX0381	135	1/4"	stp		3150	2950	A		I	0-0.3	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	143	surf	surf		3150	2950	surf		surf	0-0	1	5.2	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0381	583	surf	surf		3175	2950	surf		surf	0-0	1	1.9	2-3	lithic	tool	complete	ppk, Madison	quartz	white	grainy	biconvex x-section. symmetrical straight serrated blade margins. 23.2mm long, 19 wide*, 5.2mm thick.
44FX0381	9	surf	surf	1.7			surf		surf	0-0	1	361.5	>5	lithic	tool	complete	hammerstone	quartzite	brownish gray		light pecking, with fire clouding
44FX0381	9	surf	surf	1.7			surf		surf	0-0	1	327.6	>5	lithic	tool	fragment	groundstone	quartzite	brownish gray		extra smoothing to dorsal and ventral planes. Fire clouding
44FX0389	31	1/4"	stp	3.3			A		I	0-0.06	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	31	1/4"	stp	3.3			A		I	0-0.06	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	31	1/4"	stp	3.3			A		I	0-0.06	1	6.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	32	1/4"	stp	4.3			A		I	0-0.06	1	1.8		historic	ceramic	body	whiteware, undecorated	tableware, unid.		kitchen	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	32	1/4"	stp	4.3			A		I	0-0.06	1	3.1	2-3	lithic	debitage	tertiary	flake, complete	quartzite	brownish gray		
44FX0389	32	1/4"	stp	4.3			A		I	0-0.06	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	32	1/4"	stp	4.3			A		I	0-0.06	1	20.5	>5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	37	1/4"	stp	6.3			A		I	0-0.4	1	6.9	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	40	1/4"	stp	11.5			Fill		III	0.7-1.0	1	13.4	4-5	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0389	41	1/4"	stp	11.7			A		I	0-0.3	1	0.9	1-2	lithic	debitage	secondary	flake, fragment	quartzite	gray		
44FX0389	42	1/4"	stp	11.8			A		I	0-0.5	1	10.7	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	43	1/4"	stp	11.8			B		II	0.5-0.8	1	3.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	44	1/4"	stp		5000	4975	A		I	0-0.3	1	1.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	45	surf	surf		5400	4850	surf		surf	0-0	1	14.4	4-5	lithic	tool	fragment	biface, mid stage	quartz	white	grainy	biconvex x-section. Mid section only
44FX0389	45	surf	surf		5400	4850	surf		surf	0-0	1	1.4	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	45	surf	surf		5400	4850	surf		surf	0-0	1	0.9	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	45	surf	surf		5400	4850	surf		surf	0-0	1	3.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	45	surf	surf		5400	4850	surf		surf	0-0	8	6.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	45	surf	surf		5400	4850	surf		surf	0-0	3	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	46	1/4"	stp		5400	4850	A		I	0-0.4	2	3.4	2-3	lithic	debitage	tertiary	bipolar flake, fragment	quartz	white	grainy	
44FX0389	46	1/4"	stp		5400	4850	A		I	0-0.4	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	46	1/4"	stp		5400	4850	A		I	0-0.4	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	46	1/4"	stp		5400	4850	A		I	0-0.4	1	2.1	2-3	lithic	tool	tertiary	utilized flake	quartz	white	grainy	steep unifacial retouch along single margin. Wear present
44FX0389	47	1/4"	stp		5400	4850	E		II	0.4-0.9	1	1.0	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	47	1/4"	stp		5400	4850	E		II	0.4-0.9	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	48	1/4"	stp		5250	4850	A		I	0-1.6	1	1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	49	1/4"	stp		5375	4850	E		II	0.4-1.6	2	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	50	1/4"	stp		5325	4825	A2		II	0.2-0.4	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	51	1/4"	stp		5350	4825	E		II	0.4-0.8	1	9.3	4-5	lithic	debitage	tertiary	bipolar flake, fragment	quartzite	gray		
44FX0389	52	surf	surf	~2m W	5425	4825	surf		surf	0-0	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	52	surf	surf	~2m W	5425	4825	surf		surf	0-0	2	4.3		lithic	debitage	tertiary	shatter	quartz	gray white	grainy	
44FX0389	53	1/4"	stp		5425	4825	A		I	0.3-1.6	1	5.8	3-4	lithic	tool	fragment	bifacial scraper, type II	quartz	white	grainy	asymmetrical, single margin.
44FX0389	54	surf	surf		5450	4825	surf		surf	0-0	1	2	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red white		
44FX0389	54	surf	surf		5450	4825	surf		surf	0-0	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	54	surf	surf		5450	4825	surf		surf	0-0	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	55	1/4"	stp		5450	4825	B		II	0.9-1.6	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	56	surf	surf		5525	4825	surf		surf	0-0	1	2.1	2-3	lithic	debitage	tertiary	bipolar flake, fragment	quartz	white	grainy	
44FX0389	56	surf	surf		5525	4825	surf		surf	0-0	1	4.4	2-3	lithic	debitage	secondary	core, fragment	quartz	gray	streaked	
44FX0389	56	surf	surf		5525	4825	surf		surf	0-0	1	5.6	2-3	lithic	debitage	secondary	core, fragment	quartz	white	grainy	
44FX0389	56	surf	surf		5525	4825	surf		surf	0-0	1	3.4	2-3	lithic	tool	fragment	ppk, Clagett	quartz	white	grainy	Biconvex x-section. Base: 9.5mm long, 18.7mm wide, 15.2mm neck.
44FX0389	57	1/4"	stp		5200	4800	A		I	0-0.3	1	31.2	4-5	lithic	debitage	secondary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0389	58	1/4"	stp		5200	4800	A2		III	0.5-0.8	1	5.7	3-4	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX0389	59	1/4"	stp		5225	4800	E		II	0.5-1.5	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray red		
44FX0389	60	surf	surf	S of	5325	4800	surf		surf	0-0	1	16.7	>5	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0389	60	surf	surf	S of	5325	4800	surf		surf	0-0	1	3.9	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	60	surf	surf	S of	5325	4800	surf		surf	0-0	1	3		lithic	debitage	tertiary	shatter	quartzite	red white		
44FX0389	61	surf	surf		5325	4800	surf		surf	0-0	1	13.5	>5	lithic	tool	partial	ppk, Small Savannah River	quartz	white	grainy	biconvex x-section. Missing distal portion. Convexed symmetrical blade margins. 49mm long*, 26.8 wide, 10.1mm thick. Stem 14mm long, 18mm wide. Slightly concaved base.
44FX0389	62	1/4"	stp		5325	4800	E		II	0.5-0.9	1	3.1	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0389	62	1/4"	stp		5325	4800	E		II	0.5-0.9	1	1.9		lithic	debitage	tertiary	shatter	quartz	red white	milky	
44FX0389	63	1/4"	stp		5350	4800	A		I	0-0.4	1	3.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	64	surf	surf	~1m E	5375	4800	surf		surf	0-0	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	65	1/4"	stp		5375	4800	E		II	0.6-1.6	1	4.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	66	1/4"	stp		5400	4800	A		I	0-0.3	2	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	67	surf	surf	within 3	5425	4800	surf		surf	0-0	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	67	surf	surf	within 3	5425	4800	surf		surf	0-0	1	5.4	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	67	surf	surf	within 3	5425	4800	surf		surf	0-0	1	3.9	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	67	surf	surf	within 3	5425	4800	surf		surf	0-0	8	14.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	67	surf	surf	within 3	5425	4800	surf		surf	0-0	7	3.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	67	surf	surf	within 3	5425	4800	surf		surf	0-0	2	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	67	surf	surf	3m W	5425	4800	surf		surf	0-0	1	7.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	68	1/4"	stp		5425	4800	A		I	0-0.5	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	68	1/4"	stp		5425	4800	A		I	0-0.5	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	68	1/4"	stp		5425	4800	A		I	0-0.5	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	69	1/4"	stp		5425	4800	E		II	0.5-0.9	1	2.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	70	surf	surf	~3m W	5450	4800	surf		surf	0-0	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	70	surf	surf	~3m N	5450	4800	surf		surf	0-0	2	5.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	70	surf	surf	~3m N	5450	4800	surf		surf	0-0	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	70	surf	surf	~3m W	5450	4800	surf		surf	0-0	1	6.5	3-4	lithic	tool	tertiary	graver	quartz	white	grainy	reworked proximal/distal end
44FX0389	71	1/4"	stp		5450	4800	A		I	0-0.3	4	3.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	72	surf	surf		5475	4800	surf		surf	0-0	1	2.8	2-3	lithic	debitage	secondary	flake, fragment	quartz	gray white	grainy	
44FX0389	72	surf	surf		5475	4800	surf		surf	0-0	1	1.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	72	surf	surf		5475	4800	surf		surf	0-0	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	72	surf	surf		5475	4800	surf		surf	0-0	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	73	surf	surf		5200	4775	surf		surf	0-0	1	10.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	74	1/4"	stp		5225	4775	A2		II	0.2-0.5	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	dark gray	aphyric	
44FX0389	75	1/4"	stp		5250	4775	A		I	0-0.5	1	6.4	4-5	lithic	debitage	tertiary	flake, complete	quartzite	reddish brown		
44FX0389	75	1/4"	stp		5250	4775	A		I	0-0.5	1	2.3	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish white		
44FX0389	76	1/4"	stp		5275	4775	E		II	0.4-1.5	2	3.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	76	1/4"	stp		5275	4775	E		II	0.4-1.5	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	17.5	3-4	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multidirectional
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	40.7	>5	lithic	debitage	tertiary	core, fragment	quartz	white	grainy	amorphous/multidirectional
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	1.6	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	15.4	>5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	3.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	3.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	5	1.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	77	surf	surf		5325	4775	surf		surf	0-0	1	2.3	2-3	lithic	debitage	secondary	flake, fragment	quartzite	brown white		
44FX0389	78	1/4"	stp		5325	4775	A		I	0-0.9	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	78	1/4"	stp		5325	4775	A		I	0-0.9	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	brown white		
44FX0389	78	1/4"	stp		5325	4775	A		I	0-0.9	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	78	1/4"	stp		5325	4775	A		I	0-0.9	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	78	1/4"	stp		5325	4775	A		I	0-0.9	1	9.1		lithic	debitage	secondary	shatter	quartz	white	milky	
44FX0389	79	1/4"	stp		5350	4775	A		I	0-0.3	1	8.8	3-4	lithic	tool	fragment	ppk, Small Savannah River	quartz	white	streaked	biconvex x-section. Missing distal and most of mid section. Convexed symmetrical blade margins. 25.5 wide, 25.5mm thick. Stem 12.5mm long, 19.1mm wide.
44FX0389	80	1/4"	stp		5400	4775	A		I	0-0.4	1	2.6	2-3	lithic	tool	complete	ppk, Calvert	quartz	white	grainy	biconvex x-section. Convex asymmetrical blade margins. 25.6mm long, 16.4mm wide, 6.1mm thick. Stem 10.6mm long, 14.4mm wide, and 12.6mm neck.
44FX0389	81	1/4"	stp		5425	4775	A		I	0-0.2	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	81	1/4"	stp		5425	4775	A		I	0-0.2	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	82	1/4"	stp		5425	4775	E		IV	0.7-0.9	1	9.4	4-5	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0389	82	1/4"	stp		5425	4775	E		IV	0.7-0.9	3	1.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	83	surf	surf	17ft W	5425	4775	surf		surf	0-0	1	17.5	4-5	lithic	tool	fragment	biface, late stage	quartzite	gray red		biconvex midsection.
44FX0389	83	surf	surf	17ft W	5425	4775	surf		surf	0-0	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	85	surf	surf	5.5ft NN	5475	4775	surf		surf	0-0	1	0.3	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	85	surf	surf	5.5ft NN	5475	4775	surf		surf	0-0	1	4.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	smooth	
44FX0389	85	surf	surf	5.5ft NN	5475	4775	surf		surf	0-0	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	85	surf	surf	5.5ft NN	5475	4775	surf		surf	0-0	4	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	85	surf	surf		5475	4775	surf		surf	0-0	1	2.1	2-3	lithic	tool	tertiary	graver	quartz	white	grainy	reworked lateral corner
44FX0389	85	surf	surf	5.5ft NN	5475	4775	surf		surf	0-0	1	0.8	2-3	lithic	tool	complete	ppk, Madison	quartz	yellowish white	grainy	biconvex x-section. Convex symmetrical blade margins. 18.8mm long, 15.6mm wide, 3.3mm thick.
44FX0389	85	surf	surf	5.5ft NN	5475	4775	surf		surf	0-0	1	5		lithic	debitage	secondary	shatter	quartz	gray white	grainy	
44FX0389	86	1/4"	stp		5375	4750	A		I	0-0.9	1	1.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	86	1/4"	stp		5375	4750	A		I	0-0.9	1	2		lithic	debitage	tertiary	shatter	quartz	white	milky	
44FX0389	87	1/4"	stp		5400	4750	A		I	0-0.6	1	3.6	3-4	lithic	tool	fragment	biface, late stage	quartz	white	streaked/grainy	biconvex x-section. Prob PPK stem 12.3mm long, 22mm wide, and 20.2mm neck.
44FX0389	87	1/4"	stp		5400	4750	A		I	0-0.6	1	11.5		lithic	debitage	secondary	shatter	quartz	gray white	grainy	
44FX0389	88	1/4"	stp		5400	4750	A2		III	0.8-1.4	1	15.7	4-5	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	88	1/4"	stp		5400	4750	A2		III	0.8-1.4	1	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	88	1/4"	stp		5400	4750	A2		III	0.8-1.4	5	3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	88	1/4"	stp		5400	4750	A2		III	0.8-1.4	5	0.6	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	88	1/4"	stp		5400	4750	A2		III	0.8-1.4	2	0.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	89	1/4"	stp		5400	4750	E		IV	1.4-1.7	1	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	89	1/4"	stp		5400	4750	E		IV	1.4-1.7	1	8.1	3-4	lithic	tool	primary	scraper, unid.	quartzite	gray		coarse unifacial, fragmentary
44FX0389	90	1/4"	stp		5425	4750	A		I	0-0.5	1	152.2	>5	lithic	tool	secondary	biface, chopper	quartzite	brown white		rudimentary, halved. 86mm long, 60.8mm wide, and 30.6mm thick
44FX0389	91	1/4"	stp		5425	4750	E		II	0.5-0.7	1	5.6	2-3	lithic	tool	fragment	ppk, Small Savannah River	quartz	white	streaked/grainy	biconvex x-section. Missing distal and most of mid section. 24.6 wide, 10.5mm thick. Stem 13.3mm long, 18.6-14.2mm wide.
44FX0389	92	1/4"	stp		5350	4725	A		I	0-0.2	1	6.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	92	1/4"	stp		5350	4725	A		I	0-0.2	1	4.9	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	92	1/4"	stp		5350	4725	A		I	0-0.2	2	1.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	92	1/4"	stp		5350	4725	A		I	0-0.2	2	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	93	1/4"	stp		5350	4725	A2		II	0.2-0.4	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	94	surf	surf	1m E	5375	4725	surf		surf	0-0	1	11.7	4-5	lithic	tool	fragment	biface, mid stage	quartz	red white	milky	preform
44FX0389	95	1/4"	stp		5375	4725	A		I	0-0.6	2	9.2		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0389	96	1/4"	stp		5350	4700	A		I	0-0.7	1	2.1	2-3	lithic	tool	fragment	biface, unid.	quartz	white	grainy	distal fragment
44FX0389	96	1/4"	stp		5350	4700	A		I	0-0.7	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	96	1/4"	stp		5350	4700	A		I	0-0.7	1	2.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	96	1/4"	stp		5350	4700	A		I	0-0.7	8	6.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	96	1/4"	stp		5350	4700	A		I	0-0.7	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	96	1/4"	stp		5350	4700	A		I	0-0.7	3	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	97	surf	surf	~20ft SE	5375	4700	surf		surf	0-0	1	20.1	>5	lithic	debitage	tertiary	flake, complete	quartzite	brownish gray		
44FX0389	98	1/4"	stp		5050	4775	E		II	0.6-1.1	1	2.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	99	1/4"	stp		5075	4775	A		I	0-0.7	1	4.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	red white	grainy	
44FX0389	99	1/4"	stp		5075	4775	A		I	0-0.7	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	100	1/4"	stp		5075	4775	E		II	0.7-1.6	1	1.3	1-2	lithic	tool	fragment	biface, unid.	quartz	white	grainy	fragmentary
44FX0389	100	1/4"	stp		5075	4775	E		II	0.7-1.6	1	0.1	1-2	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	101	1/4"	stp		5100	4775	A2		II	0.4-0.7	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	102	1/4"	stp		5100	4775	B		III	0.7-0.9	1	0.4	1-2	lithic	debitage	tertiary	flake, complete	rhyolite	weathered greenish gray	aphyric	
44FX0389	103	1/4"	stp		5150	4775	E		II	0.4-1.0	1	2.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	red white	grainy	
44FX0389	104	1/4"	stp		5200	4775	A		I	0-0.8	3	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	104	1/4"	stp		5200	4775	A		I	0-0.8	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0389	104	1/4"	stp		5200	4775	A		I	0-0.8	1	63.1		lithic	debitage	secondary	shatter	quartz	white	grainy	pos. core fragment
44FX0389	105	1/4"	stp		5200	4775	A2		II	0.8-1.3	3	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray yellowish brown		
44FX0389	105	1/4"	stp		5200	4775	A2		II	0.8-1.3	6	2.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	105	1/4"	stp		5200	4775	A2		II	0.8-1.3	4	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	106	1/4"	stp		5300	4775	A		I	0-0.3	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	107	1/4"	stp		5300	4775	A2		II	0.3-0.6	1	6.7		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0389	108	1/4"	stp		5300	4750	A		I	0-0.6	1	3.8	3-4	lithic	debitage	tertiary	flake, complete	quartzite	red brownish gray		
44FX0389	108	1/4"	stp		5300	4750	A		I	0-0.6	1	0.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	109	1/4"	stp		5150	4725	E		II	0.4-1.4	1	1.1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	110	1/4"	stp		5175	4725	A		I	0-0.6	2	6.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	110	1/4"	stp		5175	4725	A		I	0-0.6	1	1.7		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	111	1/4"	stp		5175	4725	E		II	0.6-1.5	1	1.2		historic	ceramic	rim	whiteware, undecorated	tableware, hollowware		kitchen	
44FX0389	112	1/4"	stp		5275	4725	A		I	0-1.2	1	3	3-4	lithic	debitage	secondary	flake, complete	quartzite	red		
44FX0389	112	1/4"	stp		5275	4725	A		I	0-1.2	1	4.1	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	112	1/4"	stp		5275	4725	A		I	0-1.2	2	4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	112	1/4"	stp		5275	4725	A		I	0-1.2	3	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	113	1/4"	stp		5275	4725	E		II	1.2-1.8	1	1.0	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0389	113	1/4"	stp		5275	4725	E		II	1.2-1.8	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	114	1/4"	stp		5300	4725	A		I	0-0.75	1	7.9	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	115	surf	surf		5325	4725	surf		surf	0-0	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	115	surf	surf		5325	4725	surf		surf	0-0	1	2.7		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0389	116	1/4"	stp		5325	4725	A		I	0-0.75	1	5.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	116	1/4"	stp		5325	4725	A		I	0-0.75	1	3.5	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	116	1/4"	stp		5325	4725	A		I	0-0.75	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	116	1/4"	stp		5325	4725	A		I	0-0.75	1	2.3		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX0389	117	surf	surf	~2m E	5300	4700	surf		surf	0-0	1	967.5	>5	lithic	tool	complete	hammerstone	quartzite	brownish gray		moderate amounts of pecking to ventral side. Likely used as an anvil.
44FX0389	118	1/4"	stp		5200	4700	A2		III	0.9-1.3	1	3.2	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0389	119	1/4"	stp		5200	4700	E		IV	1.3-1.7	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	yellowish brown		
44FX0389	120	1/4"	stp		5325	4675	A		I	0-0.4	1	4	2-3	lithic	debitage	secondary	flake, fragment	quartzite	red gray		
44FX0389	121	1/4"	stp		5200	4650	A		I	0-1.1	1	1	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	122	1/4"	stp		5325	4625	E		II	0.3-1.1	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	123	surf	surf	3m E	5450	4850	surf		surf	0-0	1	14.7	4-5	lithic	tool	partial	biface, late stage	quartz	white	streaked/grainy	biconvex x-section. Missing distal and most of mid section. Convexed asymmetrical blade margins. 26.5 wide, 11.6mm thick. Stem 20.4mm long, 19.6mm wide. (likely resharpened and repurposed)
44FX0389	123	surf	surf	3m E	5450	4850	surf		surf	0-0	1	301.4	>5	lithic	tool	complete	hammerstone	quartzite	brown		moderate amounts of pecking.
44FX0389	124	surf	surf	3m NW	5525	4850	surf		surf	0-0	1	5	3-4	lithic	tool	complete	ppk, Lamoka	quartz	white	grainy	biconvex x-section. Convexed asymmetrical blade margins. 37.5mm long, 19.8mm wide, 8.6mm thick. Stem 16.1mm long, 17.1-11.7mm wide.
44FX0389	125	surf	surf		5425	4875	surf		surf	0-0	2	4.2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	125	surf	surf		5425	4875	surf		surf	0-0	1	1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	126	surf	surf	1m E	5325	4900	surf		surf	0-0	1	18		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	133	1/4"	stp		5300	4875	A		I	0-0.4	1	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	134	1/4"	stp		5400	4875	A		I	0-0.6	2	2.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	146	1/4"	stp		5350	4750	E		II	0.2-0.6	2	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	147	1/4"	stp		5375	4825	A		I	0-0.5	1	5.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	147	1/4"	stp		5375	4825	A		I	0-0.5	2	1.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	148	1/4"	stp		5175	4775	A		I	0-0.4	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	503	surf	surf		5310	4780	surf		surf	0-0	1	134.6		historic	glass	rim	container, canning jar	zinc	Ball Blue	kitchen	machine made standard mouth canning jar. Zinc lid
44FX0389	503	surf	surf		5310	4780	surf		surf	0-0	2	18.5		historic	glass	fragment	container, canning jar lid liner		opaque white		
44FX0389	504	surf	surf		5325	4775	surf		surf	0-0	1	5.3	4-5	lithic	tool	complete	ppk, Poplar Island	rhyolite	gray	plagioclase porpl	biconvex x-section. straight symmetrical blade margins.49.1mm long, 15.8 wide, 9.1mm thick
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	1	6.2	3-4	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	1	0.1	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	1	2	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	11	3.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	2	1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	505	1/4"	tu	1	5346	4700	A	1	I	0-0.25	1	4.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	1	8.4	4-5	lithic	tool	complete	biface, late stage	quartz	white	streaked/grainy	very fine edge work, shallow notch on one side of stem, pos used as knife but distal point is very pronounced, biconvex x-section. Convexed asymmetrical blade margins. 42.4mm long, 21.8mm wide, 9.4mm thick. Stem 15.8mm long, 20.6mm wide and 19.5mm neck. Concaved base.
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	4	2.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	1	11.3	4-5	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	2	9.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	1	4.3	2-3	lithic	debitage	primary	flake, fragment	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	9	19.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	18	5.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	30	13.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	3	0.3	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	506	1/4"	tu	1	5346	4700	E	2	II	0.25-0.5	1	12.3	>5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	507	1/4"	tu	1	5346	4700	E	3	II	0.5-0.55	2	3.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	507	1/4"	tu	1	5346	4700	E	3	II	0.5-0.55	1	1.0	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	507	1/4"	tu	1	5346	4700	E	3	II	0.5-0.55	8	3.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	507	1/4"	tu	1	5346	4700	E	3	II	0.5-0.55	1	8.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	508	1/4"	tu	1	5346	4700	B	4	III	0.55-0.75	9	5.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	508	1/4"	tu	1	5346	4700	B	4	III	0.55-0.75	1	8.5	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	508	1/4"	tu	1	5346	4700	B	4	III	0.55-0.75	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	508	1/4"	tu	1	5346	4700	B	4	III	0.55-0.75	1	0.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	1	1.8		lithic	FCR	fragment	fire cracked rock	quartz	red white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	2	3.2	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	2	0.8	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	3	5.4	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	19	6.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	5	0.7	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	520	1/4"	tu	2	5397	4846	A	1	I	0-0.25	1	4.3	2-3	lithic	tool	tertiary	thumbnail scraper	quartz	white	grainy	steep unifacial retouch along distal margin
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	4	2.2	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	2	0.2	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	4	6.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	35	12.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	2	2.1	1-2	lithic	debitage	secondary	flake, fragment	quartzite	white		
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	13	1.6	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	521	1/4"	tu	2	5397	4846	E	2	II	0.25-0.5	5	8.8		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	1	3.5	3-4	lithic	tool	fragment	biface, late stage	quartz	white	grainy	distal fragment, partly plano convex
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	3	6.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	17	6.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	2	2.6		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	522	1/4"	tu	2	5397	4846	E	3	II	0.5-0.6	1	1.0		lithic	debitage	tertiary	shatter	quartz	white	smooth	
44FX0389	539	1/4"	tu	3	5400	4747	A	1	I	0-0.15	2	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	540	1/4"	tu	3	5400	4747	Fill	2	II	0.15-0.4	1	19.1	>5	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	540	1/4"	tu	3	5400	4747	Fill	2	II	0.15-0.4	1	0.9	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX0389	540	1/4"	tu	3	5400	4747	Fill	2	II	0.15-0.4	2	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	540	1/4"	tu	3	5400	4747	Fill	2	II	0.15-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	541	1/4"	tu	3	5400	4747	Fill	3	II	0.4-0.65	1	1.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	541	1/4"	tu	3	5400	4747	Fill	3	II	0.4-0.65	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	542	1/4"	tu	3	5400	4747	Fill	4	II	0.65-0.90	1	5.2	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	542	1/4"	tu	3	5400	4747	Fill	4	II	0.65-0.90	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX0389	542	1/4"	tu	3	5400	4747	Fill	4	II	0.65-0.90	4	2.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	542	1/4"	tu	3	5400	4747	Fill	4	II	0.65-0.90	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	543	1/4"	tu	3	5400	4747	Fill	5	II	0.90-1.0	2	4.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	543	1/4"	tu	3	5400	4747	Fill	5	II	0.90-1.0	1	1.5	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX0389	543	1/4"	tu	3	5400	4747	Fill	5	II	0.90-1.0	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	543	1/4"	tu	3	5400	4747	Fill	5	II	0.90-1.0	4	1.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	1	22.1	>5	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	1	4.6	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	11	21.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	39	19.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	9	1.2	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	1	8.6		lithic	debitage	secondary	shatter	quartz	white	milky	
44FX0389	544	1/4"	tu	3	5400	4747	A2	6	III	1.0-1.17	1	2.7		lithic	debitage	primary	shatter	quartz	white	grainy	
44FX0389	545	1/4"	tu	3	5400	4747	A2	7	III	1.25-1.63	1	11.6	4-5	lithic	debitage	secondary	flake, fragment	quartz	grayish white	grainy	
44FX0389	545	1/4"	tu	3	5400	4747	A2	7	III	1.25-1.63	1	4.4	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	545	1/4"	tu	3	5400	4747	A2	7	III	1.25-1.63	4	4.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	545	1/4"	tu	3	5400	4747	A2	7	III	1.25-1.63	10	5.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	545	1/4"	tu	3	5400	4747	A2	7	III	1.25-1.63	5	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	545	1/4"	tu	3	5400	4747	A2	7	III	1.25-1.63	1	8.2		lithic	debitage	tertiary	shatter	quartz	white	milky	
44FX0389	546	1/4"	tu	3	5400	4747	B	8	IV	1.17-1.42	1	8.5	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	546	1/4"	tu	3	5400	4747	B	8	IV	1.17-1.42	1	3	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX0389	546	1/4"	tu	3	5400	4747	B	8	IV	1.17-1.42	4	12	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	546	1/4"	tu	3	5400	4747	B	8	IV	1.17-1.42	12	7.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	546	1/4"	tu	3	5400	4747	B	8	IV	1.17-1.42	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	546	1/4"	tu	3	5400	4747	B	8	IV	1.17-1.42	1	0.2	1-2	lithic	debitage	secondary	flake, fragment	quartz	red white	grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	1	2.7	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	2	3.3	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	8	7.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	4	3.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	6	0.5	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	1	3.3	3-4	lithic	tool	complete	ppk, Madison	quartz	white	streaked/grainy	slightly plano convex x-section. Missing distal portion. Convexed symmetrical blade margins. 30.6mm long*, 18mm wide, 5.6mm thick. Straight base.
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	2	7.6		lithic	debitage	tertiary	shatter	quartz	white	streaked/grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	1	1.6		lithic	debitage	tertiary	shatter	quartz	white	milky/grainy	
44FX0389	547	1/4"	tu	15	5345	4722	A	1	I	0-0.25	1	1.6		lithic	debitage	primary	shatter	quartzite	gray		
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	1	6.3	3-4	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	2	5.8	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	2	1.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	16	5.7	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	1	0.8	1-2	lithic	debitage	primary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	5	0.7	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked/grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	1	3.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX0389	548	1/4"	tu	15	5345	4722	E	2	II	0.25-0.5	2	5.1		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX3160	533	1/4"	tu	6	515	475	A	7	III	1.8-2.05	1	0.8		lithic	debitage	secondary	shatter	quartz	white	grainy	
44FX3900	10	1/4"	stp	2.8	500	450	E		II	0.5-0.9	1	1.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	11	1/4"	stp	3.5	450	550	E		II	0.4-1.0	1	5.3	3-4	lithic	debitage	secondary	flake, fragment	quartzite	gray red		
44FX3900	11	1/4"	stp	3.5	450	550	E		II	0.4-1.0	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	11	1/4"	stp	3.5	450	550	E		II	0.4-1.0	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX3900	12	1/4"	stp	3.7	450	450	A		I	0-0.4	2	4.6	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	12	1/4"	stp	3.7	450	450	A		I	0-0.4	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	12	1/4"	stp	3.7	450	450	A		I	0-0.4	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	13	1/4"	stp	3.7	450	450	E		II	0.4-1.2	1	1.9	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX3900	13	1/4"	stp	3.7	450	450	E		II	0.4-1.2	2	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	13	1/4"	stp	3.7	450	450	E		II	0.4-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	13	1/4"	stp	3.7	450	450	E		II	0.4-1.2	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX3900	13	1/4"	stp	3.7	450	450	E		II	0.4-1.2	1	3.1	2-3	lithic	tool	fragment	biface, unid.	quartz	white	grainy	distal fragment, biconvex x-section
44FX3900	14	1/4"	stp		475	450	A		I	0-.05	1	0.8	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX3900	15	1/4"	stp		475	450	B		II	0.5-1.1	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	17	1/4"	stp		460	400	B		II	0.6-0.8	1	14.3	3-4	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multi directional
44FX3900	17	1/4"	stp		460	400	B		II	0.6-0.8	1	1.9	1-2	lithic	debitage	tertiary	flake, complete	greywacke/argil	gray		
44FX3900	17	1/4"	stp		460	400	B		II	0.6-0.8	1	3.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	18	1/4"	stp		460	575	A		I	0-0.4	1	3.3	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	reddish gray		
44FX3900	18	1/4"	stp		460	575	A		I	0-0.4	1	13.4	4-5	lithic	tool	fragment	biface, unid.	quartz	white	grainy	proximal, biconvex x-section, coarse
44FX3900	19	1/4"	stp		475	575	A		I	0-0.3	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX3900	19	1/4"	stp		475	575	A		I	0-0.3	1	1.9	2-3	lithic	tool	complete	ppk, Calvert	quartz	white	grainy	biconvex x-section. Straight asymmetrical blade margins. 22.4mm long, 14.7 wide, 5.8mm thick. Stem 7.8mm long, 13.1mm wide, and 12.4mm neck.
44FX3900	20	1/4"	stp		475	575	B		II	0.3-0.7	1	4.2	2-3	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multi directional
44FX3900	20	1/4"	stp		475	575	B		II	0.3-0.7	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	red white	streaked	
44FX3900	20	1/4"	stp		475	575	B		II	0.3-0.7	1	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	21	surf	general				surf		surf		1	25.6	4-5	lithic	debitage	secondary	core, exhausted	quartz	white	grainy	amorphous/multi directional
44FX3900	21	surf	general				surf		surf		1	4.9	3-4	lithic	debitage	secondary	flake, complete	quartz	white	grainy	
44FX3900	21	surf	general				surf		surf		1	5.6	3-4	lithic	debitage	secondary	flake, fragment	quartz	white	grainy	
44FX3900	22	1/4"	stp		475	460	A		I	0-0.25	1	18.7	4-5	lithic	debitage	tertiary	core, exhausted	quartz	white	grainy	amorphous/multi directional
44FX3900	23	1/4"	stp		465	525	A		I	0-0.2	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	jasper	reddish brown	opaque	
44FX3900	23	1/4"	stp		465	525	A		I	0-0.2	1	1.7	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/Level	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
44FX3900	23	1/4"	stp		465	525	A		I	0-0.2	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	23	1/4"	stp		465	525	A		I	0-0.2	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	brown		
44FX3900	23	1/4"	stp		465	525	A		I	0-0.2	2	0.1	<1	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX3900	24	1/4"	stp		465	525	B		II	0.2-0.9	1	1.0	1-2	lithic	debitage	tertiary	flake, complete	jasper	reddish brown	opaque	
44FX3900	24	1/4"	stp		465	525	B		II	0.2-0.9	1	0.7	1-2	lithic	debitage	tertiary	flake, complete	quartzite	reddish gray		
44FX3900	24	1/4"	stp		465	525	B		II	0.2-0.9	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	24	1/4"	stp		465	525	B		II	0.2-0.9	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	streaked	
44FX3900	24	1/4"	stp		465	525	B		II	0.2-0.9	1	0.8	1-2	lithic	tool	fragment	biface, unid.	quartz	white	grainy	proximal fragment, biconvex x-section
44FX3900	25	1/4"	stp		490	450	B		II	0.3-0.7	1	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	26	1/4"	stp		450	475	E		II	0.3-1.1	1	1.1	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	27	1/4"	stp		475	475	A		I	0-1.5	2	1.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	27	1/4"	stp		475	475	A		I	0-1.5	1	5.0	2-3	lithic	debitage	primary	flake, fragment	quartz	white	milky	
44FX3900	28	1/4"	stp		475	400	A		I	0-0.03	1	0.3	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	29	1/4"	stp		450	525	E		II	0.4-1.0	1	0.1	<1	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX3900	29	1/4"	stp		450	525	E		II	0.4-1.0	1	11.2	>5	lithic	tool	partial	ppk, Small Savannah River	quartzite	red		biconvex x-section. Missing mid section. Straight symmetrical blade margins. ~62mm long*, 24.6 wide, 8.8mm thick. Stem 15.5mm long, 18.8-13.5mm wide. Concaved base.
44FX3900	29	1/4"	stp		450	525	E		II	0.4-1.0	1	2.6	2-3	lithic	tool	tertiary	retouched flake	quartz	white	grainy	retouched distal margin, complete flake
44FX3900	552	1/4"	tu	12	480	575	A	1	I	0-0.18	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	553	1/4"	tu	12	480	575	E	2	II	0.18-0.43	1	0.2	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	553	1/4"	tu	12	480	575	E	2	II	0.18-0.43	1	0.6	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	gray		
44FX3900	553	1/4"	tu	12	480	575	E	2	II	0.18-0.43	2	3.4		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX3900	553	1/4"	tu	12	480	575	E	2	II	0.18-0.43	1	1.2		lithic	FCR	fragment	fire cracked rock	quartzite	red		
44FX3900	554	1/4"	tu	12	480	575	E	3	II	0.43-0.68	1	1.3	2-3	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX3900	554	1/4"	tu	12	480	575	E	3	II	0.43-0.68	1	0.7	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	brownish gray		
44FX3900	554	1/4"	tu	12	480	575	E	3	II	0.43-0.68	2	1.4	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	554	1/4"	tu	12	480	575	E	3	II	0.43-0.68	1	1.9		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX3900	554	1/4"	tu	12	480	575	E	3	II	0.43-0.68	1	0.3	1-2	lithic	tool	fragment	biface, unid.	rhyolite	gray	aphyric	biconvex x-section. Distal fragment
44FX3900	555	1/4"	tu	13	450	450	A		I	0-0.25	1	7.5	3-4	lithic	debitage	secondary	flake, fragment	quartz	red white	milky/grainy	
44FX3900	556	1/4"	tu	13	450	450	B		II	0.25-0.5	1	4.0	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	556	1/4"	tu	13	450	450	B		II	0.25-0.5	1	4.0		lithic	debitage	secondary	shatter	quartz	white	milky/grainy	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	2.0	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	streaked	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	2.3	2-3	lithic	debitage	tertiary	flake, complete	quartz	white	grainy	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	0.5	1-2	lithic	debitage	tertiary	flake, complete	rhyolite	gray	aphyric	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	3	10.0	2-3	lithic	debitage	tertiary	flake, fragment	quartz	white	milky/grainy	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	1.5	2-3	lithic	debitage	secondary	flake, fragment	quartz	white	milky/grainy	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	0.4	1-2	lithic	debitage	tertiary	flake, fragment	quartzite	red		
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	11	5.5	1-2	lithic	debitage	tertiary	flake, fragment	quartz	white	grainy	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	1.3		lithic	debitage	tertiary	shatter	quartz	white	milky	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	3.3		lithic	debitage	tertiary	shatter	quartz	white	grainy	
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	6.7	3-4	lithic	tool	fragment	biface, unid.	quartzite	red		biconvex x-section. Basal fragment
44FX3900	557	1/4"	tu	14	475	528	E	2	II	0.2-0.45	1	2.1	2-3	lithic	tool	complete	ppk, Calvert	quartz	white	grainy	biconvex x-section. Straight asymmetrical blade margins. 22.3mm long, 16wide, 6.9mm thick. Stem 7.3mm long, 9.8mm wide. Concaved base.
FS-2	16	1/4"	stp	3.30					I	0-.06	1	0.1	1-2	lithic	debitage	tertiary	flake, fragment	rhyolite	weathered greenish gray	aphyric	

Site	Bag	Method	STP/ TU	Coord	North	East	Fea/ Hor	Zone/L evel	Strat	Depth (ftbs)	Qty	Wt (g)	Size	Group	Class	Cortex/ Portion	Artifact Type	Material /Ware	Color/ Temper	EST/Hist Group	Comments
FS-3	30	1/4"	stp	2.6					I	0-0.4	1	14.7	4-5	lithic	tool	partial	ppk, Small Savannah River	quartzite	yellowish brown		biconvex x-section. Missing distal and mid sections. Straight symmetrical blade margins. 42.9mm long*, 27.9 wide, 11.9mm thick. Stem 18.1mm long, 20.9-15.8mm wide. Concaved base.

APPENDIX 2

UPDATED SITE FORMS

Snapshot

Date Generated: December 30, 2019

Site Name: West Run Site 1
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Artifact scatter
Other DHR ID: No Data
Temporary Designation: No Data

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 240
Aspect: Facing North
Drainage: Potomac
Slope: 0 - 2
Acreage: 4.910
Landform: Ridge
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Indeterminate
Site Type: Artifact scatter
Cultural Affiliation: Native American
DHR Time Period: Pre-Contact
Start Year: -15000
End Year: 1606
Comments: May 1981
October 2017 - Non-diagnostic lithic artifacts recovered during subsurface testing. Blocky cores and debitage suggest tool production.

October 2017

July/August 2019--Phase II investigation recovered two cores, 15 flake fragments, and one piece of shatter.

Bibliographic Information

Bibliography:

Archeological Overview, Assessment, Identification, and Evaluation Study of the George Washington Memorial Parkway, Northern Section, Virginia and Washington, D.C. Year Three Summary (Louis Berger)

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: TRC Environmental Corporation

Investigator: Heather Millis

Survey Date: 8/10/2019

Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within the GWMP

Threats to Resource: Erosion, Transportation Expansion

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

19 additional nondiagnostic lithic artifacts were found during the 2019 investigation

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation

Permanent Curation Repository: NPS Museum Resource Center in Landover

Field Notes: Yes

Field Notes Repository: NPS Museum Resource Center in Landover

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR

DHR Library Reference Number: No Data

Significance Statement: The site may have some importance at the local (park) level because it is one of a cluster of sites that seems to indicate this area was used primarily as a tool production center, rather than for resource acquisition (quarrying) or hunting. It is unlikely to be eligible for listing as a site in the NRHP.

2019: project investigations were not sufficient to evaluate the NRHP eligibility of the site as a whole, but the portion within the project area appears to contain low density deposits of nondiagnostic material and no further investigation was recommended for this project.

Surveyor's Eligibility Recommendations: No Data

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I

Project Staff/Notes:

Phase I and II survey and evaluation

Project Review File Number: No Data
Sponsoring Organization: No Data
Organization/Company: The Louis Berger Group
Investigator: Tiffany Raszick
Survey Date: 10/9/2017
Survey Description:

Phase I survey of previously unsurveyed locations, Phase II testing at previously recorded sites.

Current Land Use	Date of Use	Comments
Park	1/1/2018 12:00:00 AM	Part of the GWMP parkland but not easily accessible by the public.

Threats to Resource: None Known
Site Conditions: Subsurface Integrity, Unknown Portion of Site Destroyed
Survey Strategies: Subsurface Testing
Specimens Collected: Yes
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

10 quartz debitage (including blocky chunks, 1 flake, and 1 core) and 1 quartzite flake. There was no cortex on any of the artifacts.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: Louis Berger
Permanent Curation Repository: NPS
Field Notes: No
Field Notes Repository: No Data
Photographic Media: Digital
Survey Reports: Yes
Survey Report Information:

Archeological Overview, Assessment, Inventory and Assessment Study, George Washington Memorial Parkway
[Years 1-3; Year 3 forthcoming]

Survey Report Repository: Louis Berger US and NPS-NCR
DHR Library Reference Number: No Data
Significance Statement: The site may have some importance at the local (park) level because it is one of a cluster of sites that seems to indicate this area was used primarily as a tool production center, rather than for resource acquisition (quarrying) or hunting. It is unlikely to be eligible for listing as a site in the NRHP.
Surveyor's Eligibility Recommendations: Recommended Not Eligible
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

Fairfax County Archaeological Survey

Project Review File Number: 21-2#16
Sponsoring Organization: No Data
Organization/Company: Unknown (DSS)
Investigator: Johnson, Mike
Survey Date: 5/4/1981
Survey Description:

The leaf cover made observation difficult, but thru shovel test and examining exposed ground around trees and blow-outs a light scatter of quartz and quartzite debitage was observed along the ridge top shown on the attached map. Artifacts observed included two quartz flakes (FLQU), three pieces of quartz debris (DEQU), and two quartzite flakes (FLQZ). Considering the amount of exposed ground and number of test pits site concentrations (if any) should be localized.

Current Land Use	Date of Use	Comments
Forest	*No Data*	*No Data*

Threats to Resource: No Data
Site Conditions: Site Condition Unknown

Survey Strategies:	Subsurface Testing
Specimens Collected:	No
Specimens Observed, Not Collected:	No
Artifacts Summary and Diagnostics:	
No Data	
Summary of Specimens Observed, Not Collected:	
See survey description	
Current Curation Repository:	No Data
Permanent Curation Repository:	No Data
Field Notes:	No
Field Notes Repository:	No Data
Photographic Media:	No Data
Survey Reports:	No Data
Survey Report Information:	
No Data	
Survey Report Repository:	No Data
DHR Library Reference Number:	No Data
Significance Statement:	No Data
Surveyor's Eligibility Recommendations:	No Data
Surveyor's NR Criteria Recommendations, :	No Data
Surveyor's NR Criteria Considerations:	No Data

Snapshot

Date Generated: December 30, 2019

Site Name: West Run Site 2
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Artifact scatter, Lithic workshop
Other DHR ID: No Data
Temporary Designation: No Data

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 185
Aspect: Facing North
Drainage: Potomac
Slope: 0 - 2
Acreage: 1.200
Landform: Ridge
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Indeterminate
Site Type: Artifact scatter
Cultural Affiliation: Native American
DHR Time Period: Early Woodland, Late Archaic Period, Pre-Contact
Start Year: -15000
End Year: 1606
Comments: May 1981
October 2017 - subsurface testing resulted in the recovery of over 350 lithic artifacts, but no diagnostics. The assemblage suggested tool production, rather than extraction or maintenance (for hunting) was taking place here.

October 2017

July/August 2019 Phase II investigation recovered 2,191 artifacts, including six unclassified eroded sand tempered sherds, two unclassified eroded shell tempered sherds, one Lamoka PPK, one Savannah River PPK, four Small Savannah River PPKs, one Rossville PPK, nine early stage bifaces, 10 mid-stage bifaces, 11 late stage bifaces, one unclassified biface fragment, 10 cores, four scrapers, two utilized flakes, eight retouched flakes, a nutting stone, 2,105 pieces of debitage, and 16 fire cracked rocks

Component 2

Category: Industry/Processing/Extraction
Site Type: Lithic workshop
Cultural Affiliation: Native American
DHR Time Period: Early Woodland, Late Archaic Period, Late Woodland
Start Year: No Data
End Year: No Data
Comments: No Data

Bibliographic Information

Bibliography:

Archeological Overview, Assessment, Identification, and Evaluation Study of the George Washington Memorial Parkway, Northern Section, Virginia and Washington, D.C. Year Three Summary (Louis Berger)

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: TRC Environmental Corporation

Investigator: Heather Millis

Survey Date: 8/10/2019

Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Transportation Expansion

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

2019: 2,184 lithic and six ceramic artifacts, including FCR, a nutting stone, one Lamoka, one Savannah River, four Small Savannah River, one Calvert, and one Rossville PPKs, early, mid, and late stage bifaces, scrapers, informal flake tools, and eight unclassified sherds representing two different wares.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation

Permanent Curation Repository: NPS Museum Resource Center in Landover

Field Notes: Yes

Field Notes Repository: NPS Museum Resource Center in Landover

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR

DHR Library Reference Number: No Data

Significance Statement: The site may have some importance at the local (park) level because it is one of a cluster of sites that seems to indicate this area was used primarily as a tool production center, rather than for resource acquisition (quarrying) or hunting. It is unlikely to be eligible for listing as a site in the NRHP.

2019:Phase II investigations indicate that site 44FX0374 can provide important information concerning local or regional prehistoric period occupations and the site is recommended individually eligible for the NRHP under Criterion D. The site is also recommended as a contributing resource to the proposed Dead Run Ridges Archaeological District.

Surveyor's Eligibility Recommendations: Recommended Eligible

Surveyor's NR Criteria Recommendations, : D

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I

Project Staff/Notes:

Phase I and II survey and evaluation

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: The Louis Berger Group

Investigator: Tiffany Raszick

Survey Date: 10/9/2017

Survey Description:

Phase I survey of previously unsurveyed locations, Phase II testing at previously recorded sites.

Current Land Use	Date of Use	Comments
Park	1/1/2018 12:00:00 AM	Part of the GWMP parkland but not easily accessible by the public.

Threats to Resource: None Known

Site Conditions: Subsurface Integrity, Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

Over 375 pieces of quartz flakes, debitage, cores, and biface reduction, and blocky quartz fragments. Only 4 of the pieces have some cortex suggesting this was not a quarrying/resource acquisition site.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: Louis Berger

Permanent Curation Repository: NPS

Field Notes: No

Field Notes Repository: No Data

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Archeological Overview, Assessment, Inventory and Assessment Study, George Washington Memorial Parkway
[Years 1-3; Year 3 forthcoming]

Survey Report Repository: Louis Berger US and NPS-NCR

DHR Library Reference Number: No Data

Significance Statement: The site may have some importance at the local (park) level because it is one of a cluster of sites that seems to indicate this area was used primarily as a tool production center, rather than for resource acquisition (quarrying) or hunting. It is unlikely to be eligible for listing as a site in the NRHP.

Surveyor's Eligibility Recommendations: Recommended Not Eligible

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

Fairfax County Archaeological Survey. Antiquities Permit #80-VA-189

Project Review File Number: 21-2#17

Sponsoring Organization: No Data

Organization/Company: Unknown (DSS)

Investigator: Johnson, Mike

Survey Date: 5/6/1981

Survey Description:

Two quartz cores, 3 pieces of quartz debris, and 23 quartz flakes were observed in limited shovel testing and around the bases of trees.

Current Land Use	Date of Use	Comments
Forest	*No Data*	*No Data*

Threats to Resource: No Data

Site Conditions: Site Condition Unknown

Survey Strategies:	Subsurface Testing
Specimens Collected:	No
Specimens Observed, Not Collected:	No
Artifacts Summary and Diagnostics:	
No Data	
Summary of Specimens Observed, Not Collected:	
See survey description	
Current Curation Repository:	No Data
Permanent Curation Repository:	No Data
Field Notes:	No
Field Notes Repository:	No Data
Photographic Media:	No Data
Survey Reports:	No Data
Survey Report Information:	
No Data	
Survey Report Repository:	No Data
DHR Library Reference Number:	No Data
Significance Statement:	No Data
Surveyor's Eligibility Recommendations:	No Data
Surveyor's NR Criteria Recommendations, :	No Data
Surveyor's NR Criteria Considerations:	No Data

Snapshot

Date Generated: December 30, 2019

Site Name: No Data
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Quarry
Other DHR ID: No Data
Temporary Designation: No Data

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 230
Aspect: No Data
Drainage: Potomac
Slope: 10 - 15
Acreage: 4.260
Landform: Other, Ridge
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Industry/Processing/Extraction
Site Type: Quarry
Cultural Affiliation: Native American
DHR Time Period: Pre-Contact
Start Year: -15000
End Year: 1606
Comments: possible quarry and special purpose

April 1981

July/August 2019--Phase I survey along southern portion recovered 10 flakes.

Bibliographic Information

Bibliography:

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data
Sponsoring Organization: No Data
Organization/Company: TRC Environmental Corporation
Investigator: Heather Millis
Survey Date: 8/10/2019
Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Transportation Expansion
Site Conditions: Unknown Portion of Site Destroyed
Survey Strategies: Subsurface Testing
Specimens Collected: Yes
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

a total of 10 unmodified lithic flakes were found during limited survey along the southern portion of the site in 2019

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation
Permanent Curation Repository: NPS Museum Resource Center in Landover
Field Notes: Yes
Field Notes Repository: NPS Museum Resource Center in Landover
Photographic Media: Digital
Survey Reports: Yes
Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR
DHR Library Reference Number: No Data
Significance Statement: The 2019 survey only investigated a small portion of the site, and while no substantial deposits were encountered in this area and no further investigation is recommended for the project, the eligibility of the site as a whole cannot be evaluated based on this investigation.
Surveyor's Eligibility Recommendations: No Data
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

No Data

Project Review File Number: 21-2#11
Sponsoring Organization: No Data
Organization/Company: Unknown (DSS)

Investigator: Fairfax Co. Arch.-Mike Johnson

Survey Date: 4/6/1981

Survey Description:

The site is located [redacted] (see map[VDHR]). Some of the site appears to be on the upper parts of the slopes also. It generally has a [redacted] exposure. A large quartz outcrop of mixed quality material is on the [redacted] end of the site. [redacted] Exposed ground and numerous test pits were examined (see map). The results indicated a very large site with possibly discrete activity areas. As one can see from the map some pits produced a large amount of artifacts while others produced few if any.

Threats to Resource: No Data

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: No

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

No Data

Summary of Specimens Observed, Not Collected:

Observed artifacts included tools, flakes, and other debris.

Current Curation Repository: No Data

Permanent Curation Repository: No Data

Field Notes: No

Field Notes Repository: No Data

Photographic Media: No Data

Survey Reports: No Data

Survey Report Information:

No Data

Survey Report Repository: No Data

DHR Library Reference Number: No Data

Significance Statement: No Data

Surveyor's Eligibility Recommendations: No Data

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Snapshot

Date Generated: December 30, 2019

Site Name: Parkview Hills site
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Lithic procurement site, Lithic workshop
Other DHR ID: No Data
Temporary Designation: No Data

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 260
Aspect: No Data
Drainage: Potomac
Slope: No Data
Acreage: 5.480
Landform: Other, Ridge
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Industry/Processing/Extraction
Site Type: Lithic procurement site
Cultural Affiliation: Native American
DHR Time Period: Late Archaic Period, Pre-Contact
Start Year: -15000
End Year: 1606
Comments: April 1981

July/August 2019--Phase II investigation recovered 1,825 artifacts, including one Clagett PPK, five Lamoka PPKs, one Susquehanna Broadspear PPK, two Small Savannah River PPKs, five early stage bifaces, 10 mid-stage bifaces, 12 late stage bifaces, six unclassified biface fragments, 12 cores, one graver, one utilized flake, one retouched flake, 1,762 pieces of debitage, three unmodified cobbles, and six fire cracked rocks

Component 2

Category: Industry/Processing/Extraction
Site Type: Lithic workshop
Cultural Affiliation: Native American
DHR Time Period: Early Woodland, Late Archaic Period
Start Year: No Data
End Year: No Data
Comments: No Data

Bibliographic Information

Bibliography:

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed

Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: TRC Environmental Corporation

Investigator: Heather Millis

Survey Date: 8/10/2019

Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Erosion, Transportation Expansion

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

The 2019 Phase II investigation recovered one historic and 1,829 prehistoric lithic artifacts, including Clagett, Lamoka, Small Savannah River, and Susquehanna Broadspear PPKs, gravers, staged bifaces, expedient tools, cores, and fire cracked rocks.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation

Permanent Curation Repository: NPS Museum Resource Center in Landover

Field Notes: Yes

Field Notes Repository: NPS Museum Resource Center in Landover

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR

DHR Library Reference Number: No Data

Significance Statement: Phase II investigations indicate that site 44FX0379 can provide important information concerning local or regional prehistoric period occupations and the site is recommended as individually eligible for the NRHP under Criterion D. The site is also considered a contributing resource to the proposed Dead Run Ridges Archaeological District.

Surveyor's Eligibility Recommendations: Recommended Eligible

Surveyor's NR Criteria Recommendations, : D

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

Fairfax Co. Archeological Preliminary Site Report 21-2#13
National Park Service Antiquities Permit #80-VA-189

Project Review File Number: No Data

Sponsoring Organization: No Data
Organization/Company: County of Fairfax
Investigator: Mike Johnson
Survey Date: 4/20/1981
Survey Description:

1981: The site covers a large area including [redacted]. The unusual part about the site is that it is so large and intense, yet with no on site water source.

Condition of site: Generally forested but a large portion appears to have been destroyed by the George Washington Memorial Parkway and possibly also by the Parkview Hills development [redacted].

Current Land Use	Date of Use	Comments
Forest	*No Data*	Site is generally forested but a large portion appears to have been destroyed by the George Washington Memorial Parkway and possibly also by the Parkview Hills development [redacted].

Threats to Resource: Development, Transportation Expansion
Site Conditions: Unknown Portion of Site Destroyed
Survey Strategies: Observation
Specimens Collected: No
Specimens Observed, Not Collected: Yes
Artifacts Summary and Diagnostics:

No Data

Summary of Specimens Observed, Not Collected:

1981: Artifacts were observed in blow outs, around the bases of trees, and in selected shovel test pits. These include one quartz biface which could be a projectile point (BIPTOU), one other quartz bi face (BIQU), 110 quartz flakes (FLQU), four pieces of quartz debris (DE0U), gne quartz core (COQU), 6 quartzite flakes (FLOZ), and one meta rhyolite flake (FLRH).

Current Curation Repository: No Data
Permanent Curation Repository: No Data
Field Notes: No
Field Notes Repository: No Data
Photographic Media: No Data
Survey Reports: No
Survey Report Information:

No Data

Survey Report Repository: No Data
DHR Library Reference Number: No Data
Significance Statement: No Data
Surveyor's Eligibility Recommendations: No Data
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Snapshot

Date Generated: December 30, 2019

Site Name: West Run Site 3
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Artifact scatter
Other DHR ID: No Data
Temporary Designation: No Data

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 240
Aspect: Facing North
Drainage: Potomac
Slope: 0 - 2
Acreage: 1.610
Landform: Ridge
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Indeterminate
Site Type: Artifact scatter
Cultural Affiliation: Native American
DHR Time Period: Late Woodland, Pre-Contact
Start Year: -15000
End Year: 1606
Comments: April 1981
October 2017 - Non-diagnostic quartz and quartzite flakes found in shovel tests dug on the ridge top.

October 2017

July/August 2019--Phase II recovered three Madison PPKs, two early stage bifaces, one mid-stage biface, two late stage bifaces, one drill, two cores, one retouched flake, 149 pieces of debitage, one hammerstone, and one unidentified possible groundstone artifact.

Bibliographic Information

Bibliography:

Archeological Overview, Assessment, Identification, and Evaluation Study of the George Washington Memorial Parkway, Northern Section, Virginia and Washington, D.C. Year Three Summary (Louis Berger)

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: TRC Environmental Corporation

Investigator: Heather Millis

Survey Date: 8/10/2019

Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Erosion, Transportation Expansion

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

The II assemblage consists of 163 lithic artifacts, including three Madison PPKs, a drill, five bifaces, one retouched flake, two cores, 149 pieces of debitage, one hammerstone, and one possible groundstone tool.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation

Permanent Curation Repository: NPS Museum Resource Center in Landover

Field Notes: Yes

Field Notes Repository: NPS Museum Resource Center in Landover

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR

DHR Library Reference Number: No Data

Significance Statement: The site may have some importance at the local (park) level because it is one of a cluster of sites that seems to indicate this area was used primarily as a tool production center, rather than for resource acquisition (quarrying) or hunting. It is unlikely to be eligible for listing as a site in the NRHP.

2019: There is no indication of vertical sorting of material by time period, and most artifacts were found off the crest of the ridge, which is consistent with artifact displacement from erosion. There are no apparent substantial concentrations of artifacts and no evidence of cultural features. Based on the Phase II investigations, the site is recommended not eligible for the NRHP as an individual resource, but it is within the proposed Dead Run Ridges Archaeological District.

Surveyor's Eligibility Recommendations: Recommended Not Eligible

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I

Project Staff/Notes:

Phase I and II survey and evaluation

Project Review File Number: No Data
Sponsoring Organization: No Data
Organization/Company: The Louis Berger Group
Investigator: Tiffany Raszick
Survey Date: 10/9/2017
Survey Description:

Phase I survey of previously unsurveyed locations, Phase II testing at previously recorded sites.

Current Land Use	Date of Use	Comments
Park	1/1/2018 12:00:00 AM	Part of the GWMP parkland but not easily accessible by the public.

Threats to Resource: None Known
Site Conditions: Subsurface Integrity, Surface Features
Survey Strategies: Subsurface Testing
Specimens Collected: Yes
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

Small number of quartz and quartzite debitage and flakes were collected form three shovel tests dug [redacted].

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: Louis Berger
Permanent Curation Repository: NPS
Field Notes: No
Field Notes Repository: No Data
Photographic Media: Digital
Survey Reports: Yes
Survey Report Information:

Archeological Overview, Assessment, Inventory and Assessment Study, George Washington Memorial Parkway
[Years 1-3; Year 3 forthcoming]

Survey Report Repository: Louis Berger US and NPS-NCR
DHR Library Reference Number: No Data
Significance Statement: The site may have some importance at the local (park) level because it is one of a cluster of sites that seems to indicate this area was used primarily as a tool production center, rather than for resource acquisition (quarrying) or hunting. It is unlikely to be eligible for listing as a site in the NRHP.
Surveyor's Eligibility Recommendations: Recommended Not Eligible
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

Fairfax Co. Archeology Site Report 21-2#15
National Park Service Antiquities Permit #80-VA-189
Parcel 21-2((1))6C

Project Review File Number: No Data
Sponsoring Organization: No Data
Organization/Company: County of Fairfax
Investigator: Mike Johnson
Survey Date: 4/30/1981
Survey Description:

1981: Prehistoric site - probably post ca 3,000 B.P. Function and importance not determined.

The site is [redacted] (see map [VDHR]).

Artifacts observed included three possible pieces of quartz debris and one quartz flake. One notched quartz point was recovered (see drawing).

Current Land Use	Date of Use	Comments
Forest	*No Data*	Hardwood forest

Threats to Resource: No Data

Site Conditions: Site Condition Unknown

Survey Strategies: Surface Testing

Specimens Collected: No

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

One notched quartz point was recovered. (see drawing [VDHR])

Summary of Specimens Observed, Not Collected:

Artifacts observed included three possible pieces of quartz debris and one quartz flake.

Current Curation Repository: No Data

Permanent Curation Repository: No Data

Field Notes: No

Field Notes Repository: No Data

Photographic Media: No Data

Survey Reports: No

Survey Report Information:

No Data

Survey Report Repository: No Data

DHR Library Reference Number: No Data

Significance Statement: No Data

Surveyor's Eligibility Recommendations: No Data

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Snapshot

Date Generated: December 30, 2019

Site Name: No Data
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Lithic procurement site
Other DHR ID: No Data
Temporary Designation: No Data

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 220
Aspect: No Data
Drainage: Potomac
Slope: 10 - 15
Acreage: 2.730
Landform: Other, Ridge
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Industry/Processing/Extraction
Site Type: Lithic procurement site
Cultural Affiliation: Native American
DHR Time Period: Early Woodland, Late Archaic Period, Late Woodland, Pre-Contact
Start Year: -15000
End Year: 1606
Comments: May 1981

July/August 2019--Phase II investigation recovered 691 artifacts, including one Poplar Island PPK, one Lamoka PPK, three Small Savannah River PPKs, one Clagett PPK, one Calvert PPK, two Madison PPKs, two mid-stage bifaces, five late stage bifaces, two unclassified biface fragments, three scrapers, two gravers, one chopper, six cores, one utilized flake, 656 pieces of debitage, two hammerstones, and one fire cracked rock.

Bibliographic Information

Bibliography:

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data
Sponsoring Organization: No Data
Organization/Company: TRC Environmental Corporation
Investigator: Heather Millis
Survey Date: 8/10/2019
Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Erosion, Transportation Expansion
Site Conditions: Unknown Portion of Site Destroyed
Survey Strategies: Subsurface Testing
Specimens Collected: Yes
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

Phase II investigation recovered 694 lithic artifacts, including Calvert, Poplar Island, Clagett, Lamoka, Small Savannah River, and Madison PPKs, a graver, a chopper, scrapers, hammerstones, staged bifaces, cores, and a fire cracked rock.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation
Permanent Curation Repository: NPS Museum Resource Center in Landover
Field Notes: Yes
Field Notes Repository: NPS Museum Resource Center in Landover
Photographic Media: Digital
Survey Reports: Yes
Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR
DHR Library Reference Number: No Data
Significance Statement: The site is generally characterized by a low density of cultural deposits; there is no evidence of cultural features; there is no vertical or horizontal differentiation between components; and artifacts resulting from different component occupations are mixed in the bioturbated E horizon. Moreover, much of the site has been impacted by the construction of unimproved roads during the middle 20th century. Based on the Phase II results, site 44FX0389 is recommended not eligible for the NRHP.
Surveyor's Eligibility Recommendations: Recommended Not Eligible
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

No Data

Project Review File Number: 21-2#19

Sponsoring Organization: No Data
Organization/Company: Unknown (DSS)
Investigator: Fairfax Co. Arch.-Mike Johnson
Survey Date: 5/6/1981
Survey Description:

Site is [redacted] It has a [redacted] Artifacts were observed [redacted] and in small test pits.

Current Land Use	Date of Use	Comments
Forest	*No Data*	*No Data*

Threats to Resource: No Data
Site Conditions: Site Condition Unknown
Survey Strategies: Subsurface Testing
Specimens Collected: No
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

No Data

Summary of Specimens Observed, Not Collected:

Artifacts observed included 10 quartz flakes, 2 pieces of quartz debris, and 1 quartz biface

Current Curation Repository: No Data
Permanent Curation Repository: No Data
Field Notes: No
Field Notes Repository: No Data
Photographic Media: No Data
Survey Reports: No Data
Survey Report Information:

No Data

Survey Report Repository: No Data
DHR Library Reference Number: No Data
Significance Statement: No Data
Surveyor's Eligibility Recommendations: No Data
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Snapshot

Date Generated: December 30, 2019

Site Name: No Data
Site Classification: Terrestrial, open air
Year(s): 15000 B.C.E - 1606 C.E
Site Type(s): Artifact scatter
Other DHR ID: No Data
Temporary Designation: GWMP1-1

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Coastal Plain
Elevation: 230
Aspect: Facing North
Drainage: Potomac/Shenandoah River
Slope: 0 - 2
Acreage: 0.030
Landform: Other
Ownership Status: Federal Govt
Government Entity Name: U.S. National Park Service

Site Components

Component 1

Category: Indeterminate
Site Type: Artifact scatter
Cultural Affiliation: Native American
DHR Time Period: Pre-Contact
Start Year: -15000
End Year: 1606
Comments: January 2005

July/August 2019--only one flake was found during Phase II investigation, site is potentially redeposited/slopewash.

Bibliographic Information

Bibliography:

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: TRC Environmental Corporation

Investigator: Heather Millis

Survey Date: 8/10/2019

Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Erosion, Transportation Expansion

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

one flake was recovered during Phase II investigations

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation

Permanent Curation Repository: NPS Museum Resource Center in Landover

Field Notes: Yes

Field Notes Repository: NPS Museum Resource Center in Landover

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR

DHR Library Reference Number: No Data

Significance Statement: Overall, the site has produced a small number of nondiagnostic lithic artifacts and given the setting, it is not clear if the prehistoric artifacts found on the site are attributable to any direct activity that occurred at this location in the prehistoric past or if these artifacts are in this area as a result of redeposition through slope wash or through activities associated with road construction. Based on the Phase II results, site 44FX3160 is recommended not eligible for the NRHP.

Surveyor's Eligibility Recommendations: Recommended Not Eligible

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I/Reconnaissance

Project Staff/Notes:

Phase I Survey conducted for the NPS under ARPA Permit # #05-GWMP-008

Project Review File Number: No Data

Sponsoring Organization: No Data
Organization/Company: Unknown (DSS)
Investigator: EAC/A
Survey Date: 1/1/2005
Survey Description:

2005: Phase I excavations of single transect, 25' and 50' intervals

Current Land Use	Date of Use	Comments
Park	1/1/2005 12:00:00 AM	Within the George Washington Memorial Parkway Greenway

Threats to Resource: No Data
Site Conditions: Surface Deposits Present And With Subsurface Integrity
Survey Strategies: Subsurface Testing
Specimens Collected: Yes
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

quartz and quartzite flakes

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: NPS Museum Resource Center (MRCE) Landover, MD
Permanent Curation Repository: No Data
Field Notes: Yes
Field Notes Repository: NPS Museum Resource Center (MRCE) Landover, MD
Photographic Media: No Data
Survey Reports: Yes
Survey Report Information:

2005 Dongarra and Harris
Phase I Archeological Survey of the Proposed Mount Vernon Trail Extension, George Washington Memorial Parkway, Fairfax County Line to I-495 Interchange, Fairfax County, Virginia

Under ARPA Permit #05-GWMP-008

Prepared for:
United States Department of the Interior National Park Service Denver Service Center

Survey Report Repository: NPS, VDHR
DHR Library Reference Number: No Data
Significance Statement: No Data
Surveyor's Eligibility Recommendations: No Data
Surveyor's NR Criteria Recommendations, : No Data
Surveyor's NR Criteria Considerations: No Data

Snapshot

Date Generated: December 30, 2019

Site Name: No Data
Site Classification: Terrestrial, open air
Year(s): No Data
Site Type(s): Artifact scatter
Other DHR ID: No Data
Temporary Designation: FS-1

Site Evaluation Status

Not Evaluated

Locational Information

USGS Quad: [redacted]
County/Independent City: Fairfax (County)
Physiographic Province: Piedmont
Elevation: 250
Aspect: Facing North
Drainage: Potomac
Slope: 6 - 10
Acreage: 0.320
Landform: Terrace
Ownership Status: Federal Govt
Government Entity Name: National Park Service

Site Components

Component 1

Category: Indeterminate
Site Type: Artifact scatter
Cultural Affiliation: Native American
DHR Time Period: Early Woodland, Late Archaic Period
Start Year: No Data
End Year: No Data
Comments: Diagnostic artifacts include one Calvert ppk and one Small Savannah River ppk
---
July 2019

August 2019--total Phase I and II assemblage consists of 89 artifacts, including two Calvert PPKs, a Small Savannah River PPK, five unclassified biface fragments, four cores, one retouched flake, 75 pieces of debitage, and one fire cracked rock.

Bibliographic Information

Bibliography:

TRC 2019: Millis, Heather, and Bruce Idol, 2019, Phase I Archaeological Survey, Intensive Phase I Archaeological Survey of Site 44fx0373, and Phase II Archaeological Evaluation of Sites 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, And 44FX3900 within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project (Virginia Department of Transportation) and the I-495/I-270 Managed Lanes Study (Maryland Department of Transportation), Fairfax County, Virginia

Informant Data:

No Data

CRM Events

Event Type: Survey:Phase II

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data

Organization/Company: TRC Environmental Corporation

Investigator: Heather Millis

Survey Date: 8/10/2019

Survey Description:

Phase II investigation involved the excavation of shovel tests at 25 foot intervals and 3x3 ft test units.

Current Land Use	Date of Use	Comments
Park	8/9/2019 12:00:00 AM	within GWMP

Threats to Resource: Transportation Expansion

Site Conditions: Unknown Portion of Site Destroyed

Survey Strategies: Subsurface Testing

Specimens Collected: Yes

Specimens Observed, Not Collected: No

Artifacts Summary and Diagnostics:

The combined Phase I and II assemblage from 44FX3900 consists of 89 artifacts, including two Calvert PPKs, a Small Savannah River PPK (in two pieces), five unclassified biface fragments, four cores, one retouched flake, 75 pieces of debitage, and one FCR.

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Environmental Corporation

Permanent Curation Repository: NPS Museum Resource Center in Landover

Field Notes: Yes

Field Notes Repository: NPS Museum Resource Center in Landover

Photographic Media: Digital

Survey Reports: Yes

Survey Report Information:

Heather Millis and Bruce Idol, 2019
PHASE I ARCHAEOLOGICAL SURVEY, INTENSIVE PHASE I ARCHAEOLOGICAL SURVEY OF 44FX0373, AND PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 44FX0374, 44FX0379, 44FX0381, 44FX0389, 44FX3160, AND 44FX3900 WITHIN THE GEORGE WASHINGTON MEMORIAL PARKWAY FOR THE I-495 NORTHERN EXTENSION STUDY (NEXT) PROJECT (VIRGINIA DEPARTMENT OF TRANSPORTATION) AND THE I-495/I-270 MANAGED LANES STUDY (MARYLAND DEPARTMENT OF TRANSPORTATION), FAIRFAX COUNTY, VIRGINIA

Survey Report Repository: DHR

DHR Library Reference Number: No Data

Significance Statement: Based on the Phase I and II results, site 44FX3900 represents a low-density prehistoric site characteristic of many in Piedmont settings, with no evidence of substantial artifact concentrations, cultural features, or any other intact aspects of site structure. Site 44FX3900 is unlikely to provide any important information concerning local or regional prehistoric occupations and is recommended not eligible for the NRHP.

Surveyor's Eligibility Recommendations: Recommended Not Eligible

Surveyor's NR Criteria Recommendations, : No Data

Surveyor's NR Criteria Considerations: No Data

Event Type: Survey:Phase I

Project Staff/Notes:

No Data

Project Review File Number: No Data

Sponsoring Organization: No Data
Organization/Company: TRC Environmental Corporation
Investigator: Heather Millis
Survey Date: 7/12/2019
Survey Description:

Shovel tests measuring 1.5 ft in diameter were excavated at 25 to 50 foot intervals across the site.

Current Land Use	Date of Use	Comments
Forest	7/12/2019 12:00:00 AM	Site is [redacted] of the George Washington Memorial Parkway and [redacted] of a housing development.

Threats to Resource: Transportation Expansion
Site Conditions: Site Condition Unknown
Survey Strategies: Subsurface Testing
Specimens Collected: Yes
Specimens Observed, Not Collected: No
Artifacts Summary and Diagnostics:

one quartz Early Woodland period Calvert PPK, two pieces of a quartzite Late Archaic period Small Savannah River PPK, four quartz cores, three quartz bifaces, one quartz retouched flake, and 41 flakes (1 argillite, 2 jasper, 4 quartzite, and 34 quartz)

Summary of Specimens Observed, Not Collected:

No Data

Current Curation Repository: TRC Chapel Hill office
Permanent Curation Repository: NPS Museum Resource Center in Landover
Field Notes: Yes
Field Notes Repository: NPS Museum Resource Center in Landover
Photographic Media: Digital
Survey Reports: Yes
Survey Report Information:

Bruce Idol and Heather Millis, 2019, Archaeological Phase I Survey and Phase II Evaluation of Six Sites within the George Washington Memorial Parkway for the I-495 Northern Extension Study (NEXT) Project and the I-495/I-270 Managed Lanes Study, Fairfax County, Virginia

Survey Report Repository: DHR
DHR Library Reference Number: No Data
Significance Statement: Given the moderate artifact density, recovery of cores, tools, and temporally diagnostic PPKs, and the presence of cultural material in the E horizon, this site has the potential to provide substantive data relevant to regional research issues and is recommended potentially eligible for the NRHP. Phase II archaeological evaluation will be conducted as part of this project.
Surveyor's Eligibility Recommendations: Recommended Potentially Eligible
Surveyor's NR Criteria Recommendations, : D
Surveyor's NR Criteria Considerations: No Data

APPENDIX 3

ARPA PERMIT

United States Department of the Interior

NATIONAL PARK SERVICE
National Capital Region
1100 Ohio Drive, S.W.
Washington, D.C. 20242

IN REPLY REFER TO:

1.A.2 (NCR-RESS)

July 2, 2019

Heather Millis
TRC Environmental Corporation
50101 Governor's Drive, Suite 250
Chapel Hill, North Carolina 27517

Dear Ms. Millis:

Enclosed is an Archeological Resources Protection Act (ARPA) to conduct Phase I survey and Phase II excavations on eight archeological sites within the George Washington Memorial parkway. Your permit number for this project is 19-GWMP-5 and is effective from July 8, 2019 to December 31, 2019.

The person in direct charge of the field work should have a copy of the permit with them at all times and should be prepared to produce the permit if requested by National Park Service personnel. Please note and comply with all stipulations attached to the permit. Failure to comply with any of the stipulations will result in the revocation of your permit.

Upon review and approval of the final report documenting any archeological discoveries, please complete a report documentation form (see item 15.t. under standard permit conditions for the on-line address) and transmit it with 12 copies of the final report to Dr. Joshua M. Torres, Regional Archeologist, 1100 Ohio Drive, Washington, D.C. 20242.

You may contact Dr. Torres at joshua_torres@nps.gov or (202) 619-7273, if you have any questions concerning your permit.

Sincerely,

Lisa A Mendelson-Ielmini

Lisa A. Mendelson-Ielmini
Acting Regional Director

Enclosure

Please use this number
when referring to this permit

19-GWMP-05

No.:_____

DI Form 1991 (Rev Jan 2008)
for use with DI Form 1926
OMB No. 1024-0037
Exp. Date (6/30/2014)

United States Department of the Interior

PERMIT FOR ARCHEOLOGICAL INVESTIGATIONS

To conduct archeological work on Department of the Interior lands and Indian lands under the authority of:

- ☐ The Archaeological Resources Protection Act of 1979 (16 U.S.C. 470aa-mm) and its regulations (43 CFR 7).
- ☐ The Antiquities Act of 1906 (P.L. 59-209; 34 Stat. 225, 16 U.S.C. 431-433) and its regulations (43 CFR 3).
- ☐ Supplemental regulations (25 CFR 262) pertaining to Indian lands.
- ☐ Bureau-specific statutory and/or regulatory authority: _____

_____

1. Permit issued to TRC Environmental Corporation	2. Under application dated 5/1/2019
3. Address 50101 Governor's Drive, Suite 250, Chapel Hill, NC, 27517	4. Telephone number(s) 919-475-5507 (cell); 919-530-8446 x223
	5. E-mail address(es) HMillis@trcsolutions.com

6. Name of Permit Administrator Heather Millis Telephone number(s): 919-530-8446 x223 Email address(es): HMillis@trcsolutions.com	7. Name of Principal Investigator(s) Heather Millis Telephone number(s): 919-530-8446 x223 Email address(es): HMillis@trcsolutions.com
8. Name of Field Director(s) authorized to carry out field projects Bruce Idol	Telephone number(s): 919-414-3428 (cell) Email address(es): bIdol@trcsolutions.com

9. Activity authorized: Access GWMP park property to conduct Phase I Survey and Phase II excavations. Anticipated artifact collection and transport of materials off-site for analysis, processing, and curation preparation.

10. On lands described as follows: Archeological sites 44FX322, 44FX326, 44FX373, 44FX374, 44FX377, 44FX379, 44FX389, and 44FX3160

11. During the duration of the project From July 8, 2019 To December 31, 2019

12. Name and address of the curatorial facility in which collections, records, data, photographs, and other documents resulting from work under this permit shall be deposited for permanent preservation on behalf of the United States Government.

National Park Service, Museum Resource Center, 3300 Hubbard Road, Landover, MD20785

13. Permittee is required to observe the listed standard permit conditions and the special permit conditions attached to this permit.

14. Signature and title of approving official Lisa A Mendelson-Jelmini (A) Regional Dir	15. Date 7/3/19

15. Standard Permit Conditions

a. This permit is subject to all applicable provisions of 43 CFR Part 3, 43 CFR 7, and 25 CFR 262, and applicable departmental and bureau policies and procedures, which are made a part hereof.

b. The permittee and this permit are subject to all other Federal, State, and local laws and regulations applicable to the public lands and resources.

c. This permit shall not be exclusive in character, and shall not affect the ability of the land managing bureau to use, lease or permit the use of lands subject to this permit for any purpose.

d. This permit may not be assigned.

e. This permit may be suspended or terminated for breach of any condition or for management purposes at the discretion of the approving official, upon written notice.

f. This permit is issued for the term specified in 11 above.

g. Permits issued for a duration of more than one year must be reviewed annually by the agency official and the permittee.

h. The permittee shall obtain all other required permit(s) to conduct the specified project.

i. Archeological project design, literature review, development of the regional historic context framework, site evaluation, and recommendations for subsequent investigations must be developed with direct involvement of an archeologist who meets the Secretary of the Interior's Standards for Archeology and Historic Preservation; fieldwork must be generally overseen by an individual who meets the Secretary of the Interior's Standards for Archeology and Historic Preservation.

j. Permittee shall immediately request that the approving official (14. above) make a modification to accommodate any change in an essential condition of the permit, including individuals named and the nature, location, purpose, and time of authorized work, and shall without delay notify the approving official of any other changes affecting the permit or regarding information submitted as part of the application for the permit. Failure to do so may result in permit suspension or revocation.

k. Permittee may request permit extension, in writing, at any time prior to expiration of the term of the permit, specifying a limited, definite amount of time required to complete permitted work.

l. Any correspondence about this permit or work conducted under its authority must cite the permit number. Any publication of results of work conducted under the authority of this permit must cite the approving bureau and the permit number.

m. Permittee shall submit a copy of any published journal article and any published or unpublished report, paper, and manuscript resulting from the permitted work (apart from those required in items q. and s., below), to the approving official and the appropriate official of the approved curatorial facility (item 12 above).

n. Prior to beginning any fieldwork under the authority of this permit, the permittee, following the affected bureau's policies and procedures, shall contact the field office manager responsible for administering the lands involved to obtain further instructions.

o. Permittee may request a review, in writing to the official concerned, of any disputed decision regarding inclusion of specific terms and conditions or the modification, suspension, or revocation of this permit, setting out reasons for believing that the decision should be reconsidered.

p. Permittee shall not be released from requirements of this permit until all outstanding obligations have been satisfied, whether or not the term of the permit has expired. Permittee may be subject to civil penalties for violation of any term or condition of this permit.

15. Standard Permit Conditions (continued)

q. Permittee shall submit a preliminary report to the approving official within a timeframe established by the approving official, which shall be no later than 6 weeks after the completion of any episode of fieldwork, setting out what was done, how it was done, by whom, specifically where, and with what results, including maps, GPS data, an approved site form for each newly recorded archeological site, and the permittee's professional recommendations, as results require. If other than 6 weeks, the timeframe shall be specified in Special Permit Condition p. Depending on the scope, duration, and nature of the work, the approving official may require progress reports, during or after the fieldwork period or both, and as specified in Special Permit Condition r.

r. Permittee shall submit a clean, edited draft final report to the agency official for review to insure conformance with standards, guidelines, regulations, and all stipulations of the permit. The schedule for submitting the draft shall be determined by the agency official.

s. Permittee shall submit a final report to the approving official not later than 180 days after completion of fieldwork. Where a fieldwork episode involved only minor work and/or minor findings, a final report may be submitted in place of the preliminary report. If the size or nature of fieldwork merits, the approving official may authorize a longer timeframe for the submission of the final report as specified in Special Permit Condition q.

t. Two copies of the final report, a completed NTIS Report Documentation Page (SF-298), available at http://www.ntis.gov/pdf/rdpform.pdf, and a completed NADB-Reports Citation Form, available at http://www.cr.nps.gov/aad/tools/nadbform_update.doc, will be submitted to the office issuing the permit.

u. The permittee agrees to keep the specific location of sensitive resources confidential. Sensitive resources include threatened species, endangered species, and rare species, archeological sites, caves, fossil sites, minerals, commercially valuable resources, and sacred ceremonial sites.

v. Permittee shall deposit all artifacts, samples and collections, as applicable, and original or clear copies of all records, data, photographs, and other documents, resulting from work conducted under this permit, with the curatorial facility named in item 12, above, not later than 90 days after the date the final report is submitted to the approving official. Not later than 180 days after the final report is submitted, permittee shall provide the approving official with a catalog and evaluation of all materials deposited with the curatorial facility, including the facility's accession and/or catalog numbers.

w. Permittee shall provide the approving official with a confirmation that museum collections described in v. above were deposited with the approved curatorial facility, signed by an authorized curatorial facility official, stating the date materials were deposited, and the type, number and condition of the collected museum objects deposited at the facility.

x. Permittee shall not publish, without the approving official's prior permission, any locational or other identifying archeological site information that could compromise the Government's protection and management of archeological sites.

y. For excavations, permittee shall consult the OSHA excavation standards which are contained in 29 CFR §1926.650, §1926.651 and §1926.652. For questions regarding these standards contact the local area OSHA office, OSHA at 1-800-321-OSHA, or the OSHA website at http://www.osha.gov.

z. Special permit conditions attached to this permit are made a part hereof.

16. Special Permit Conditions

☐ a. Permittee shall allow the approving official and bureau field officials, or their representatives, full access to the work area specified in this permit at any time the permittee is in the field, for purposes of examining the work area and any recovered materials and related records.

☐ b. Permittee shall cease work upon discovering any human remains and shall immediately notify the approving official or bureau field official. Work in the vicinity of the discovery may not resume until the authorized official has given permission.

☐ c. Permittee shall backfill all subsurface test exposures and excavation units as soon as possible after recording the results, and shall restore them as closely as reasonable to the original contour.

☐ d. Permittee shall not use mechanized equipment in designated, proposed, or potential wilderness areas unless authorized by the agency official or a designee in additional specific conditions associated with this permit.

☐ e. Permittee shall take precautions to protect livestock, wildlife, the public, or other users of the public lands from accidental injury in any excavation unit.

☐ f. Permittee shall not conduct any flint knapping or lithic replication experiments at any archeological site, aboriginal quarry source, or non-site location that might be mistaken for an archeological site as a result of such experiments.

☐ g. Permittee shall perform the fieldwork authorized in this permit in a way that does not impede or interfere with other legitimate uses of the public lands, except when the authorized officer specifically provides otherwise.

☐ h. Permittee shall restrict vehicular activity to existing roads and trails unless the authorized officer provides otherwise.

☐ i. Permittee shall keep disturbance to the minimum area consistent with the nature and purpose of the fieldwork.

☐ j. Permittee shall not cut or otherwise damage living trees unless the authorized officer gives permission.

☐ k. Permittee shall take precautions at all times to prevent wildfire. Permittee shall be held responsible for suppression costs for any fires on public lands caused by the permittee's negligence. Permittee may not burn debris without the authorized officer's specific permission.

☐ l. Permittee shall conduct all operations in such a manner as to prevent or minimize scarring and erosion of the land, pollution of the water resources, and damage to the watershed.

☐ m. Permittee shall not disturb resource management facilities within the permit area, such as fences, reservoirs, and other improvements, without the authorized officer's approval. Where disturbance is necessary, permittee shall return the facility to its prior condition, as determined by the authorized officer.

☐ n. Permittee shall remove temporary stakes and/or flagging, which the permittee has installed, upon completion of fieldwork.

☐ o. Permittee shall clean all camp and work areas before leaving the permit area. Permittee shall take precautions to prevent littering or pollution on public lands, waterways, and adjoining properties. Refuse shall be carried out and deposited in approved disposal areas.

☐ p. Permittee shall submit the preliminary report within _____ days/weeks of completion of any episode of fieldwork..

☐ q. Permittee shall submit the final report within _____ days/weeks/months after completion of fieldwork..

☐ r. Permittee shall submit progress reports every _____ months over the duration of the project.

☐ s. Additional special permit conditions are attached.

19-GWMP-05

Permit No. _____

DI Form 1991 (Rev Jan 2008) Page ___

Special Permit Conditions Continuation Sheet

See attached park specific permit stipulations from Superintendent Cuvelier, June 14, 2019

By signing below, I, the Principal Investigator, acknowledge that I have read and understand the Permit for Archeological Investigations and agree to its terms and conditions as evidenced by my signature below and initiation of work or other activities under the authority of this permit.

Signature and title:	Date:
Heather Miller, Principal Investigator	7/8/19

Paperwork Reduction Act and Estimated Burden Statement: This information is being collected pursuant to 16 U.S.C. 470cc and 470mm, to provide the necessary facts to enable the Federal land manager (1) to evaluate the applicant's professional qualifications and organizational capability to conduct the proposed archeological work; (2) to determine whether the proposed work would be in the public interest; (3) to verify the adequacy of arrangements for permanent curatorial preservation, as United States property, of specimens and records resulting from the proposed work; (4) to ensure that the proposed activities would not be inconsistent with any management plan applicable to the public lands involved; (5) to provide the necessary information needed to complete the Secretary's Report to Congress on Federal Archeology Programs; and (6) to allow the National Park Service to evaluate Federal archeological protection programs and assess compliance with the Archaeological Resources Protection Act of 1979 (16 U.S.C. 470). Submission of the information is required before the applicant may enjoy the benefit of using publicly owned archeological resources. To conduct such activities without a permit is punishable by felony-level criminal penalties, civil penalties, and forfeiture of property. A federal agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average three hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Departmental Consulting Archeologist; NPS; 1849 C Street, NW (2275); Washington, DC 20240-0001.

ARPA Permit - Special Stipulations (cont.)
National Park Service, National Capital Region

1. All archeological remains recovered during the course of the archeological investigations done under the terms of this permit shall be processed and cataloged in accordance with the revised National Park Service (NPS) Museum Handbook on Accessioning and Cataloging Museum Objects. All artifacts will be cataloged using the Interior Collection Management System (ICMS). Copies of the ICMS worksheets and appropriate software will be provided by Ms. Marian Creveling, the Archeological Laboratory Director of the Regional Archeology Program (RAP) or her designee [(301) 832-3966]. Furthermore, diagnostic archeological remains will be properly conserved and all artifacts placed in archivally stable containers (interlocking seal-and-closure polyethylene bags, and acid-free boxes).

2. All artifacts and original **copies** of field notes, data recording forms, maps, drawings, photographs, slides, and any other form of documentation resulting from the archeological investigations done under the terms of this permit are the property of the NPS, National Capital Region (NCR).

3. All archeological work will be coordinated through Mr. Matthew Virta, Cultural Resources Manager for the George Washington Memorial Parkway (GWMP, 703-289-2535), or, in his absence, Mr. David Gadsby, Acting Chief of Resource Management, GWMP, (703-289-2512).

4. The areas of archeological monitoring and/or units selected for archeological survey/excavation (transects, squares, etc.) will be mapped and redefinable in nature so that subsequent workers can accurately determine the areas that were monitored, surveyed, and/or excavated.

5. At least 3 days prior to beginning the fieldwork and three days prior to ending it, please notify Mr. Virta, at (703)-289-2535 or Mr. Gadsby at (703) 289-2512.

6. Should any human remains be encountered, excavations will stop and the Park Superintendent, the Park Cultural Resource Manager, and the Regional Archeologist will be notified immediately. The Park Superintendent, in consultation with the Park Cultural Resource Manager and Marian Creveling, Acting Regional Archeologist, NCR (301-832-3966), shall determine the appropriate course of action, following the Department of the Interior's guidelines on human remains.

7. Permittee must include two completed copies of the NTIS form with the final report (available on-line at http://www.ntis.gov/pdf/rdpform.pdf).

8. Prior to submitting any site forms to the SHPO, draft copies of the completed Archeological Sites Management Information System (ASMIS) forms (obtain from NPS archeologist Ms. Karen Orrence at karen_orrence@nps.gov_or 301-832-3969) and Virginia State (VA) archeological site survey forms for all sites located on NPS lands, including the update of any ASMIS or VA site forms, shall be sent to Ms. Orrence for review and approval. Only after she has reviewed and approved the forms, will copies of the VA site forms be sent to the SHPO for site numbers or to update existing site forms. One set of final ASMIS and MD site forms (electronic and hardcopy) will be sent to Ms. Orrence with the transmittal of the approved, final report. The reporting of

archeological sites will be coordinated with Ms. Orrence prior to contacting the SHPO.

9. All work and excavations will be limited to the areas specified in the ARPA permit application.

10. All excavations will be open for only the minimum required time. Thereafter, as soon as possible they will be backfilled, compacted, and stabilized to prevent erosion.

11. Collecting or removal of all other resources including vegetation, wildlife, and water is not authorized. Soil samples can be collected from excavation profiles if they are needed for analysis.

12. All waste, litter, and debris will be removed from the worksite daily so that the park and work area are maintained in a clean and presentable condition at all times.

13. All work will be performed in a safe and responsible manner to avoid hazards, accidents, and deaths to workers, government employees, and park visitors. Reasonable safety measures will be taken where risks or potential hazards are evident.

14. The permittee will be responsible for locating all utility lines in advance of work and to insure that no damage occurs to them.

15. If unsafe conditions or unexpected damages to park resources are evident, the NPS reserves the right to halt all project work until appropriate corrective measures can be taken.

16. When excavating STPs, if fill continues below a depth of 3 feet, a soil auger will be used to test for preserved ground surfaces/archeological resources under the fill. It is also possible that deeper testing maybe required, in which case Mr.Virta of the GWMP will be consulted regarding the appropriate field methodology to be employed.

17. The NPS is neither responsible nor liable for the security to equipment owned and operated by TRC Environmental Corporation. Any incident involving theft or damage to property owned and/or operated by TRC Environmental Corporation should be reported immediately to the United States Park Police Communications/Dispatch at (202) 610-7500.

18. A copy of this permit will be available on-site when the work is being performed. The work leader will carry a copy of the permit and personal identification at all times during the field activities. These items will be shown to U.S. Park Police and other NPS officials upon request. All instructions of NPS officials representing the Park Superintendent will be obeyed.

Millis, Heather

Subject: FW: [EXTERNAL] RE: ARPA Permit 19-GWMP-05--DIGITAL CORRESPONDENCE--NO HARD COPY WILL FOLLOW

From: Torres, Joshua <joshua_torres@nps.gov>
Sent: Monday, July 8, 2019 9:38 AM
To: Millis, Heather <HMillis@trccompanies.com>
Cc: David Gadsby <david_gadsby@nps.gov>; Virta, Matthew <matthew_virta@nps.gov>; Steve Archer <SArcher@mdot.maryland.gov>; Richard Ervin <RErvin@mdot.maryland.gov>; Bradley Krueger <bradley_krueger@nps.gov>
Subject: Re: [EXTERNAL] RE: ARPA Permit 19-GWMP-05--DIGITAL CORRESPONDENCE--NO HARD COPY WILL FOLLOW

Hi Heather,

Your request to substitute Tracy Millis for Bruce Idol is approved. Per my previous email, in the future, these changes will need to be formal amendment requests to the ARPA permit particularly if the substitution is permanent/long term. Another way to alleviate this would be to add two or three field directors so you have staff options. Print this email and have Tracy keep it with the permit in the event that someone from the park asks for him to show the permit. Please contact if you need any additional assistance.

In terms of scheduling fieldwork, you will have to coordinate with the park. Unfortunately, I believe Matt V. and David Gadsby are on leave at the moment. I recommend contacting bradley_krueger@nps.gov to see if he can put you in touch with someone.

Please keep me posted on the project schedule and if there are any interesting findings, I may like to come and do a field visit.

Thanks for your patience with this process. Sincerely, Josh

Joshua M. Torres, Ph.D.
Supervisor of History and Culture Programs
Regional Archeologist

National Park Service
National Capital Region
1100 Ohio Drive, SW
Washington DC 20242

Office: 202-619-7273
Cell: 202-713-7091

https://www.nps.gov/orgs/1027/archeology.htm

On Mon, Jul 8, 2019 at 9:12 AM Millis, Heather <HMillis@trccompanies.com> wrote:

> Thank you very much Josh!

The signed page 6 is attached.

As you know our crew planned to be in the field this week working on additional survey on the C&O Canal Park. Given the need to complete survey ASAP within the areas in GWMP of interest to VDOT, we would like to redirect the crew there as soon as we can—under condition 5, we need to provide 3 days notice before beginning fieldwork. Can you please tell me the first day we would be able to begin fieldwork in GWMP?

Also, we respectfully request the substitution of Tracy Millis for Bruce Idol as Field Director for this week only. Tracy's resume is attached.

Thank you,

Heather Millis
Office Practice Leader

TRC

50101 Governors Drive, Suite 250, Chapel Hill, NC 27517
T 919.530.8446, ext 223 | **F** 919.530.8525 | **C** 919.475.5507
LinkedIn | Twitter | Blog | TRCcompanies.com

Please note that our domain name and email addresses have changed

From: Torres, Joshua <joshua_torres@nps.gov>
Sent: Monday, July 8, 2019 8:44 AM
To: Millis, Heather <HMillis@trccompanies.com>
Cc: David Gadsby <david_gadsby@nps.gov>; Virta, Matthew <matthew_virta@nps.gov>; Steve Archer <SArcher@mdot.maryland.gov>; Richard Ervin <RErvin@mdot.maryland.gov>
Subject: ARPA Permit 19-GWMP-05--DIGITAL CORRESPONDENCE--NO HARD COPY WILL FOLLOW

Ms. Millis,

Good morning. Please find attached the ARPA permit for Phase I and II archeological work related to the MDOT Managed Lane Study. Your reference number is 19-GWMP-05. Please sign page 6 of the permit, indicating you understand and agree to follow the park stipulations of the permit. Once signed, please scan and send me that page. Once the permit is signed by the permittee, you may begin fieldwork.

Please coordinate your actions associated with this permit with David Gadsby and Matt Virta of George Washington Memorial Parkway. Let me know if I can be of further assistance. Thanks for your patience.

Sincerely,
Josh Torres

Joshua M. Torres, Ph.D.
Supervisor of History and Culture Programs
Regional Archeologist

National Park Service
National Capital Region
1100 Ohio Drive, SW
Washington DC 20242

Office: 202-619-7273
Cell: 202-713-7091

https://www.nps.gov/orgs/1027/archeology.htm

APPENDIX 4

RESUMES FOR KEY PERSONNEL

BRUCE S. IDOL

EDUCATION

M.A., Anthropology, Wake Forest University, 1997
B.A., Anthropology, University of North Carolina at Greensboro, 1992
B.A., English Literature, Appalachian State University, 1990

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Register of Professional Archaeologists, 2001–2019

AREAS OF EXPERTISE

Mr. Idol has project management and technical experience in the following general areas:

- Archaeological project planning and implementation
- Archaeological survey, testing and data recovery excavations
- Prehistoric ceramic analysis
- Archaeological report preparation

REPRESENTATIVE EXPERIENCE

Mr. Idol has 23 years of experience conducting and reporting archaeological surveys, site evaluations, and data recovery excavations. Mr. Idol's experience includes extensive service to public and private-sector clients including the National Park Service (NPS), U.S. Army Construction and Engineering Research Laboratories (CERL), the U.S. Army Corps of Engineers (COE), U.S.D.A. Forest Service (NFS), the North Carolina DOT, and the Federal Highway Administration Eastern Federal Lands Highway Division (FHWA EFLHD). He currently serves as a Senior Archaeologist in the Chapel Hill Office with responsibilities including fieldwork direction, artifact analysis, and reporting.

Data Recovery Excavations at 31JK615– Jackson County, NC (Field Director: 2019 – present)
Mr. Idol is presently serving as Field Director for data recovery excavations at a prehistoric through Historic Cherokee archaeological site.

Maryland DOT SHA, Survey and Site Evaluations within the George Washington Memorial Parkway for the I-495/I-270 Managed Lanes Study– Fairfax County, VA (Field Director: 2019)
Mr. Idol served as Field Director for an intensive survey and testing of multiple sites within the George Washington Memorial Parkway.

Data Recovery Excavations at 31JK569 and 31JK570– Jackson County, NC (Field Director: 2019)
Mr. Idol served as Field Director for data recovery excavations at two prehistoric through Historic Cherokee archaeological sites.

North Carolina DOT, Data Recovery Excavations at 31GH635– Graham County, NC (Field Director: 2017 – present)
Mr. Idol is presently serving as Field Director for data recovery excavations at a prehistoric through Historic Cherokee archaeological site.

North Carolina DOT, Data Recovery Excavations at 31JK164 and 31JK487 – Jackson County, NC (Field Director: 2017)
Mr. Idol served as Field Director for data recovery excavations at two prehistoric through Historic Cherokee archaeological sites.

North Carolina DOT, Testing at 31MA685 and Data Recovery Excavations at 31MA684 and 31MA774 – Macon County, NC (Field Director: 2014 – 2016)
Mr. Idol served as Field Director for testing and data recovery excavations at three prehistoric through Historic Cherokee archaeological sites.

FHWA EFLHD, Data Recovery Excavations at 31JK443 and 31JK553 – Jackson County, NC (Field Director: 2012)
Mr. Idol served as Field Director for data recovery excavations at two prehistoric through Historic Cherokee archaeological sites.

U.S. Army Corps of Engineers, Roanoke River Flood Reduction Project – Roanoke, VA (Field Director: 2001 – 2008)
Mr. Idol served as Field Director for data recovery excavations at five large prehistoric sites: 44RN2, 44RN72, 44RN219, 44RN221, and 44RN356, as well as testing excavations at 44RN2, 44RN72, 44RN221, and at the Blue Ridge Industrial Park. In this position, he oversaw all stages of fieldwork, analysis, and report preparation, and worked closely with City of Roanoke engineers and COE personnel.

North Carolina DOT, Data Recovery Excavations at 31AX37 – Alexander County, NC (Field Director: 2007 – 2009)
Mr. Idol served as Field Director for site data recovery excavations at 31AX37, and oversaw all stages of fieldwork, analysis, and report preparation.

National Forests in North Carolina, Archaeological Investigations at Bearpen Branch (31TV845), – Transylvania County, NC (Field Director: 2005 – 2006)
Mr. Idol served as Field Director for archaeological investigations at the Bearpen Branch site and authored the report for compliance.

Arcadis/FHWA/National Park Service, Foothills Parkway Section 8B Archaeological Survey – Sevier and Cocke counties, TN (Field Director: 2007)
Mr. Idol directed the archaeological survey of the proposed Foothills Parkway Section 8B corridor.

EDUCATION

M.A., Anthropology, State University of New York at Albany, 1994
B.A., History, University of Maryland, 1986

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Register of Professional Archaeologists, 2001

AREAS OF EXPERTISE

Heather Millis has management and technical experience in the following areas:

- Archival Research/Land Use Studies
- Archaeological Survey, National Register Evaluation, and Data Recovery
- Cemetery Delineation

REPRESENTATIVE EXPERIENCE

Ms. Millis is the Office Practice Leader in TRC's Chapel Hill, North Carolina office and has extensive experience in all types of cultural resource investigations. She has over 25 years of professional experience serving as Principal Investigator, Field Director, or Historian on hundreds of projects across the eastern United States. As Office Manager she is responsible for all aspects of project development and management, including proposal and research design development, project planning, implementation, and management, field and laboratory research, report preparation, and coordination with clients and agencies. Ms. Millis also serves as a QA/QC reviewer, copyeditor, and technical writer for TRC's Chapel Hill office. Following is a list of representative projects:

First Solar Development LLC – Dinwiddie County, VA (Project Manager/Principal Investigator): January 2019–present
Ms. Millis serves as Principal Investigator and Project Manager for survey of areas totaling over 1,600 acres for a proposed solar farm. Her responsibilities include coordinating with the clients and SHPO staff, supervising the fieldwork, lab processing, and data analysis, and authoring the deliverables.

Invenergy – King William County, VA (Project Manager/Principal Investigator): October 2018–present
Ms. Millis serves as Principal Investigator and Project Manager for survey of areas totaling over 1,300 acres for a proposed solar farm. Her responsibilities include coordinating with the clients and SHPO staff, supervising the fieldwork, lab processing, and data analysis, and co-authoring the deliverables.

First Solar Development LLC – Sussex County, VA (Project Manager/Principal Investigator): October 2018–present
Ms. Millis serves as Principal Investigator and Project Manager for survey of areas totaling over 1,200 acres for a proposed solar farm. Her responsibilities include coordinating with the clients and SHPO staff, supervising the fieldwork, lab processing, and data analysis, and authoring the deliverables.

Golder Associates – Amelia County, VA (Project Manager/Principal Investigator): October 2018–January 2019
Ms. Millis serves as Principal Investigator and Project Manager for a historic architectural effects evaluation and a cemetery delineation for proposed expansion of a landfill facility. Her responsibilities include coordinating with the clients and SHPO staff, supervising the fieldwork, and authoring the deliverables.

Cypress Creek Renewables LLC – Orange County, VA (Project Manager/Principal Investigator): April 2018–March 2019
Ms. Millis serves as Principal Investigator and Project Manager for survey of areas totaling 686 acres within the NRHP eligible Mine Run Battlefield Historic District for a proposed solar farm. Her responsibilities include coordinating with the clients and SHPO staff, supervising the fieldwork, lab processing, and data analysis, and authoring the deliverables.

Southeastern Archaeological Services and USACE Wilmington District – Various Counties, NC and VA (Project Manager/Principal Investigator): October 2016–September 2018
Ms. Millis serves as Principal Investigator and Project Manager for survey of 14 wildlife management areas totaling 1,566 acres within the Kerr Lake Reservoir. Her responsibilities include coordinating with the clients and SHPO staff, supervising the fieldwork, lab processing, data analysis, and report writing, and co-authoring the deliverables.

Rover Pipeline LLC – Multiple Counties, OH, PA, and WV (Principal Investigator): September 2014–present
Ms. Millis serves as Principal Investigator for a cultural resources survey for the Rover Pipeline project, consisting of about 500 linear miles of corridor, ancillary facility locations, and access roads across parts of Ohio, Pennsylvania, and West Virginia. Her responsibilities include interfacing with the client, SHPOs, FERC, TRC staff, and the subconsultants, supervising the fieldwork, lab processing and analysis, and report writing tasks, and authoring portions of the technical reports and resource reports for FERC filings.

Maryland Department of Transportation, State Highway Administration – MD (Contract Liaison/Project Manager/Principal Investigator): 1997–present
Ms. Millis serves as Project Manager and Principal Investigator for TRC's cultural resources contract with the Maryland State Highway Administration. She has managed over 70 work orders assigned to TRC by the SHA for transportation projects in Maryland under multiple consecutive contracts. As the contract liaison she is responsible for developing proposals, work plans, and budgets for each task order, submitting invoices, and interfacing with the SHA staff and subconsultants. As Principal Investigator for task orders involving archaeological investigation, she is also responsible for directing fieldwork, supervising laboratory work, performing analysis, authoring technical reports, and interfacing with the SHA, SHPO, and landowners. This work has involved all phases of archaeological research, including survey, testing, and data recovery investigations of historic and prehistoric sites from western Maryland to the eastern shore and in rural and developed settings.

U.S. Army Corps of Engineers, Wilmington District – VA (Principal Investigator): 2005
Ms. Millis directed the NRHP evaluation of the historic period South Boston Power Plant and Water Intake Facility on the Dan River in Virginia. She supervised the fieldwork, supervised and performed the laboratory analysis and background research, and is the senior author of the compliance report.

U.S. Army Corps of Engineers, Baltimore District – Arlington National Cemetery, VA (Field Director): 1997–1998
Ms. Millis directed a multidisciplinary cultural resources study of a 24-acre tract adjacent to Arlington House, the Robert E. Lee Memorial in Arlington County. Research involved survey and site assessment investigations of archaeological resources on the property, as well as an assessment of the cultural landscape, viewshed, and forestry issues associated with Arlington House. Ms. Millis was the senior author of the report on the findings.