APPENDIX C

PALEOETHNOBOTANICAL DATA FROM THE PUNCHEON RUN SITE

PALEOETHNOBOTANICAL DATA FROM THE PUNCHEON RUN SITE

By

Justine Woodard McKnight Consulting Ethnobotanist 708 Faircastle Avenue Severna Park, Maryland 21146

THE LOUIS BERGER GROUP, INC. 2300 N Street, NW Washington, D.C. 20037

Submitted To

U.S. DEPARTMENT OF TRANSPORTATION Federal Highway Administration

and

DELAWARE DEPARTMENT OF STATE Division of Historical and Cultural Affairs Bureau of Archaeology and Historic Preservation

Prepared For

DELAWARE DEPARTMENT OF TRANSPORTATION Division of Highways Location and Environmental Studies Office

♦

Eugene E. Abbott Director of Planning

2004

TABLE OF CONTENTS

	List of Figures List of Tables	C-ii C-ii
I.	INTRODUCTION	C-1
II.	RESEARCH METHODS	C-1
III.	RESULTS OF INVESTIGATIONS A. Floral Summary 1. Hand-Collected Samples 2. Flotation Samples B. Discussion of Archeobotanical Remains by Locus 1. Locus 1 2. Locus 2 3. Locus 3	C-3 C-3 C-3 C-4 C-8 C-8 C-12 C-12
IV.	DISCUSSION	C-16
V.	SUMMARY	C-18 C-20
	ATTACHMENT A: Macrofloral Inventory - Locus 1ATTACHMENT B: Macrofloral Inventory - Locus 2ATTACHMENT C: Macrofloral Inventory - Locus 3ATTACHMENT D: Macrofloral Inventory - Site Summary	C-24 C-35 C-36 C-75

LIST OF FIGURES

FIGUR	E	PAGE
C-1	Productivity of Puncheon Run Flotation Samples by Locus	C-9

LIST OF TABLES

TABLI	E	PAGE
C-1	Summary of Macrobotanical Samples Analyzed by Locus	C-2
C-2	Site-Wide Composition of Recovered Wood Charcoal	C-5
C-3	Status of Non-carbonized Seeds Recovered from Flotation Samples	C-7
C-4	Percentage Presence of Flotation-Recovered Macrofloral Remains by Locus	C-9
C-5	Comparison of Plant Food Remains from Woodland I and Woodland II Sites	C-19

I. INTRODUCTION

Analysis of plant macroremains from three distinct loci at the Puncheon Run Site (7K-C-51) was undertaken to aid in the exploration of key research issues identified for extended Phase II and Phase III investigations, which were conducted from 1997 through 1999. These focused on 1) establishing the archaeological integrity of the site, 2) defining characteristics of the Woodland I microband base camp property type, and 3) exploring long-standing subsistence questions surrounding Woodland I and Woodland II settlements in Delaware. In addition, archeobotanical data from the Puncheon Run Site contributes to the growing floral database for the Middle Atlantic region (Dent and Kauffman 1985; LeeDecker et al. 1998). This report encompasses all paleoethnobotanical research accomplished during Extended Phase II and Phase III data recovery efforts at the Puncheon Run Site.

Specifically, research regarding archeobotanical remains from the Puncheon Run Site was designed to determine the types of plants extant in the archaeological record and their composition, frequency, ubiquity, and association. Attempts were made to calculate the relative dietary contribution of comestible plant taxa encountered, and the composition of wood remains used both as fuel and building material was established and scrutinized. Plant macroremains recovered archaeologically were then cross-referenced with regional paleoenvironmental data and with Holocene landscape and vegetative resource availability extrapolated for the Puncheon Run project area (McKnight 2000). Recovered plant remains were also examined to lend insight into the integrity and function of cultural features encountered during excavation.

A comprehensive program of soil sampling and flotation processing was undertaken at the Puncheon Run Site. Macrobotanical samples from select contexts throughout Loci 1, 2, and 3 were systematically collected through routine soil sampling. Soil samples were collected from culture-bearing strata, cultural features, and noncultural sediments encountered during field excavation. Samples of a standard volume (averaging 2 liters) were retained in the field. Isolated concentrations of plant charcoal were also hand-collected and submitted for species identification.

A total of 134 soil samples totaling 265.5 liters were selected for flotation-processing and analysis, and seven hand-collected charcoal specimens were submitted for identification. Forty-four flotation samples totaling 87.5 liters and three hand-collected carbon samples were submitted from Locus 1. Four flotation samples measuring a total of 8 liters were analyzed from Locus 2. Seventy-eight samples from cultural contexts within Locus 3 totaled 154 liters. Four hand-collected carbon samples were submitted from Locus 3. In addition, eight samples totaling 16 liters from strata lacking cultural material within Locus 3 were also selected in order to provide a control. Table C-1 presents a summary of macrobotanical samples analyzed from the Puncheon Run Site, by locus.

II. RESEARCH METHODS

Soil samples from the Puncheon Run Site were individually processed using two different flotation devices. Processing of the Extended Phase II samples was accomplished using a modified SMAP (Shell Mound Archaeological Project)-type flotation system (Watson 1976) equipped with 0.30-millimeter fine fraction and 1.6-millimeter coarse fraction screens. This system facilitates the separation and recovery of organic remains from the soil matrix via agitation in water. Processing results in a heavy and a light fraction of material. Floated portions were air-dried. In order to establish the recovery rate of macrobotanical remains from the Puncheon Run Site using this particular flotation system, the standard "poppy seed test" (Wagner 1982) was applied. Measured lots of 50 poppy seeds (*Papaver somniferum*) were added to 10 of the 91 Extended Phase

Locus	Sampling Method	Ext. Phase II	Phase III	Total
Locus 1				
Feature	hand-collected		3	3
Feature	flotation	10	21	31
Nonfeature	flotation	13		13
Locus 2				
Feature	hand-collected			0
Feature	flotation	1		1
Nonfeature	flotation	3		3
Locus 3				
Feature	hand-collected		4	4
Feature	flotation	32	14	46
Nonfeature	flotation	24	8	32
Control Samples	flotation	8		8
TOTAL		91	50	141

 Table C-1: Summary of Macrobotanical Samples Analyzed by Locus

II flotation samples prior to processing. Recovery rates averaged 56 percent. No contamination was observed between samples and no damage to the poppy seeds was noted.

In an effort to achieve more effective capture of minute plant remains, a Flote-Tech flotation system equipped with 0.325-millimeter fine fraction and 1.0-millimeter coarse fraction screens was employed for the Phase III soil sample processing. The Flote-Tech system is a multi-modal flotation system which facilitates the separation and recovery of plant macroremains from the soil matrix via agitation in water. Processing resulted in two (light and heavy) fractions of material. Floted portions were air-dried. The poppy seed test was administered to 16 of the 50 Phase III soil samples prior to flotation processing. Recovery rates averaged 84 percent. Sample contamination was not observed, and no noticeable damage to the poppy seeds occurred.

Across the site, sample matrices were consistently composed of quartzitic gravel with coarse sand and heavy clays (more characteristic of the Locus 1 samples). The heavy flotation fractions contained limited ecofacts and geologic material. These included copious quartzitic gravel, small cobbles, and woody and herbaceous root fibers (of modern origin). No faunal remains were recovered from the analyzed samples, and minute cultural artifacts were limited to two potential quartz flakes retrieved from a single Locus 1 sample.

All archaeologically derived plant remains recovered through flotation were combined and passed through a 2-millimeter geological sieve, yielding fractions of two different sizes for analysis. Weights and sample descriptions were recorded for the resulting fractions of greater than or equal to 2 millimeters in size and less than 2 millimeters in size. The charcoal specimens greater than or equal to 2 millimeters in size were examined under low magnification (10X to 30X) and sorted into general categories of material (i.e., wood, nutshell, carbonized seeds, non-carbonized seeds, miscellaneous plant material, etc.). Descriptions were recorded for each category of material with a size of greater than or equal to 2 millimeters. The fractions less

than 2 millimeters in size were examined under low magnification; their general composition was recorded, and any seed remains encountered were removed for identification. Non-carbonized seeds were present within most of the analyzed samples. During Extended Phase II analysis, these non-carbonized seeds were described but not quantified. During Phase III work, non-carbonized seeds recovered were isolated, identified, counted, and weighed.

Identifications were routinely attempted on all seed, nut, and miscellaneous plant parts, and on a sub-sample of 20 randomly selected wood fragments from each sample containing more than 20 specimens, in accordance with standard practice (Pearsall 1989). Identifications of all classes of botanical remains were made to the genus level when possible, to the family level when limited diagnostic information was available, and to the species level only when the assignment could be made with absolute certainty. When botanical specimens were found to be in such eroded or fragmentary condition as to prevent their complete examination or recognition, a variety of general categories were used to reflect the degree identification possible. General wood categories within the analyzed assemblages include "ring porous," where specimens exhibited differences between early and late wood growth; "diffuse porous," where specimens exhibited homogenous growth within annual rings; "deciduous taxa," where specimens could be identified as having a porous vessel arrangement reflecting deciduous trees, rather than a trachid arrangement indicative of coniferous taxa; "coniferous taxa," where specimens exhibited a trachid arrangement rather than a porous one; and "unidentifiable," where specimens were so fragmentary or minute that no clear section could be obtained upon which to base identification. Seed categories within the site assemblages included "unknown seed," to describe specimens not recognized by the analyst; and "unidentifiable eroded seed," "unidentifiable large seed," or "unidentifiable seed fragment," where specimens were highly eroded and lacked the minute structures required for identification (such as seed coat or embryo attachment area). The categories "amorphous carbon" and "unidentifiable charcoal" were used in this report to classify carbonized remains which lacked any identifiable characteristics whatsoever.

All identifications were made under low magnification (10X to 30X) with the aid of standard texts (Edlin 1969; Kozlowski 1972; Martin and Barkely 1961; Panshin and deZeeuw 1980; Schopmeyer 1974) and checked against plant specimens from a modern reference collection germane to the flora of Kent County, Delaware. Specimen weights were recorded using an electronic balance accurate to 0.01 grams.

III. RESULTS OF ANALYSIS

A. FLORAL SUMMARY

1. Hand-Collected Samples

During the Phase III field excavation, seven visible charcoal deposits were retained for dating and were submitted for species identification prior to submission to the radiocarbon laboratory. These included three samples from Locus 1 and four samples from Locus 3. The total combined weight of these specimens was 1.66 grams. The samples retained from Locus 1 were secured from Features 50 and 51, and from nonfeature contexts within Excavation Unit (EU) 376. These samples were composed of thick-walled hickory nutshell (*Carya* sp.) and an insect gall. The hand-collected samples from Locus 3 were retained from Features 30 and 37, and from nonfeature sediments encountered in Stratum B, Level 3 of EU 164. These samples contained deciduous wood charcoal, thick-walled hickory nutshell (*Carya* sp.), and non-carbonized poke (*Phytolacca americana*) seeds. An inventory of the hand-collected samples is provided by locus and in the site summary section of Attachment A.

2. Flotation Samples

Flotation processing of 265.5 liters of soil site-wide yielded 45.64 grams of carbonized plant remains, or an average density of 0.17 grams of charcoal per liter of cultural fill analyzed. Of the 134 flotation samples analyzed from Puncheon Run, 106 (79 percent) yielded archeobotanical remains. Overall, carbonized plant remains were scant, and the condition of recovered organic remains varied from poor to fair. A variety of wild plant remains were recovered, including a predominance of deciduous wood charcoal; minor amounts of coniferous wood charcoal; scant thick-walled hickory and acorn nutshell; various carbonized seeds; abundant non-carbonized seeds; and miscellaneous plant materials, such as fungal fructifications, unidentifiable rind fragments, woody bud fragments, coniferous bud fragments, peduncle fragments, hull fragments, monocot stem fragments, unidentifiable bud fragments, unidentifiable plant parts, unidentifiable spherical specimens, unidentifiable charcoal, and amorphous carbon.

Attachment A contains the comprehensive results of the analysis presented for each locus by sample catalog number, as well as in a site summary of plant remains recovered by flotation. Discussion of each class of plant material encountered within the Puncheon Run assemblage is provided below, followed by a discussion of the distribution of plant remains by locus.

a. Wood Charcoal

Wood charcoal was the most abundant and ubiquitous class of material recovered from the Puncheon Run flotation samples, composing 98 percent (by weight) of the site sample. A total of 4,563 carbonized wood fragments weighing 39.43 grams was recovered. Of the total wood remains, a sub-sample of 1,218 fragments (a maximum of 20 fragments per sample) was randomly selected for identification. White oak (*Quercus* sp. *[LEUCOBALANUS* group]) (24 percent, by count) dominated the sample, followed by hickory (*Carya* sp.) (8 percent); unspecified oak (*Quercus* sp.) (7 percent); red oak (*Quercus* sp.*[ERYTHROBALANUS* group]) (3 percent); sweetgum (*Liquidambar styraciflua*) (3 percent); and maple (*Acer* sp.) (1 percent). The following species were identified in less than 1 percent of the sample: American chestnut (*Castanea dentata*); sassafras (*Sassafras albidum*); red mulberry (*Morus rubra*); maple/birch (*Acer/Betula*); black locust (*Robinia pseudoacacia*); black walnut (*Juglans nigra*); flowering dogwood (*Cornus florida*); persimmon (*Diospyros virginiana*); ash (*Fraxinus* sp.); American holly (*Ilex opaca*); tulip poplar (*Liriodendron tulipifera*); black cherry (*Prunus serotina*); and southern pine species (*Pinus* sp.). Poorly preserved specimens were assigned to the categories diffuse porous (less than 1 percent), ring porous (7 percent), deciduous taxa (20 percent), coniferous taxa (less than 1 percent), and unidentifiable (21 percent). Table C-2 indicates the relative species composition of wood charcoal recovered by flotation throughout the site.

b. Nutshell

A site total of 157 fragments of nutshell weighing a total of 2.22 grams was recovered through flotation. A total of 155 fragments of thick-walled hickory nutshell (*Carya* sp.) and two fragments of acorn shell (*Quercus* sp.) were identified.

c. Carbonized Seed Remains

Carbonized seed remains were scant throughout the Puncheon Run Site flotation assemblage. A total of 85 carbonized seed specimens representing 12 taxa was identified. Carbonized seed remains were present in 25 (approximately 19 percent) of the 134 flotation samples analyzed. Seed species identified include copperleaf (*Acalypha virginica*) (1 seed); goosefoot (*Chenopodium* sp.) (47 seeds); (possible) American lotus (*Nelumbo*

	Context								
	Locus 1 Features	Locus 1 Nonfea.	Locus 2	Locus 3 Features	Locus 3 Nonfea.	Locus 3 Control	Site Totals		
Number of Samples	31	13	4	46	32	8	134		
Soil Sample Volume (l)	61.5	26	8	90	64	16	249.5		
Total Charcoal Weight (g)	9.92	0.97	0.4	31.32	2.32	0.71	44.93		
Wood Charcoal (total count)	1,078	32	24	3,267	162	44	4563		
Total Weight (g)	8.58	0.23	0.14	28.77	1.71	0.54	39.43		
Acer sp. (maple)	9			1	1		11		
Acer/Betula (maple/birch)	6				2		8		
Carya sp. (hickory)	59	5		29	6		99		
Castanea dentata (American chestnut)	2			8			10		
Cornus florida (flowering dogwood)	1						1		
Diospyros virginiana (persimmon)				5			5		
Fraxinus sp. (ash)	2						2		
Ilex opaca (American holly)	6	1					7		
Juglans nigra (black walnut)	2			6			8		
Liquidambar styraciflua (sweet gum)				40			40		
Liriodendron tulipifera (tulip poplar)	2			1	1		4		
Morus rubra (red mulberry)				1	1		2		
Pinus sp. (so. pine group)	1			4			5		
Prunus serotina (black cherry)					1		1		
Quercus sp. (red group)	3			12	25		40		
Quercus sp. (white group)	82	8	13	181	6		290		
Quercus sp. (unspecified)	37	3	5	35	5	4	85		
Robinia pseudoacacia (black locust)				3	1		4		
Sassafras albidum (sassafras)				2			2		
diffuse porous				2	3		5		
ring porous	43			34	6		83		
coniferous taxa	1						1		
deciduous taxa	93	7		106	42	15	248		
unidentifiable	69	8	6	141	33	20	257		
total identified fragments	418	32	24	611	133	39	1,218		

Table C-2: Site-Wide Composition of Recovered Wood Charcoal

lutea) (1 seed coat fragment); poke (*Phytolacca americana*) (2 seeds); knotweed (*Polygonum* sp.) (2 seeds), dock (*Rumex* sp.) (1 seed), chickweed (*Stellaria media*) (1 seed); and grass family (*GRAMINEAE*) (5 seeds). Seeds in poor condition were classified as unknown eroded seed (17 seeds), unidentifiable large seed (6 seeds), and unidentifiable seed fragment (1 seed fragment). One seed was not recognizable to the analyst and was labeled "unknown."

d. Non-carbonized Seed Remains

Non-carbonized seed remains were present in ubiquitous abundance within flotation samples from across the Puncheon Run Site. The recovery of large quantities of fresh ruderal seeds from these flotation samples is compelling and calls for a discussion of the origin, age, association, and archaeological integrity of these remains. Although the persistence of non-carbonized plant remains from rare contexts, such as consistently xeric or inundated environments, is not uncommon (Hastorf and Popper 1988; Minnis 1981; Pearsall 1989), such soil conditions do not characterize the Puncheon Run Site. The presence of "fresh" seed remains within flotation samples from open-site environments is usually considered evidence of modern seed contamination caused by plowing, seed rain, rodent or crustacean burrowing, root action, soil erosion and deposition, or a combination of these factors (Keepax 1977; Minnis 1981; E. Smith 1985). Evidence of bioturbation and tree falls was commonly observed during field investigations at Puncheon Run. The mixing of soil strata by such forces would explain the recovery of both carbonized and non-carbonized remains from flotation samples. Prehistoric deposits containing carbonized plant remains were likely intruded upon by biological or geologic forces which introduced modern material into an otherwise undisturbed archaeological record.

Non-carbonized seeds were recovered from 86 (64 percent) of the 134 analyzed flotation samples. The noncarbonized seed specimens identified represent the following taxa: pigweed (*Amaranthus* sp.), goosefoot/pigweed (*Cheno/Amaranth* group), goosefoot (*Chenopodium* sp.), rattlebox (*Crotolaria sagittalis*), spurge (*Euphorbia* sp.), goosegrass (*Eleusine indica*), wild lettuce (*Lactuca serriola*), lespedeza (*Lespedeza* sp.), carpetweed (*Mollugo verticillata*), bayberry (*Myrica* sp.), wood sorrel (*Oxalis stricta*), panic grass (*Panicum* sp.), poke (*Phytolacca americana*), knotweed (*Polygonum pennsylvanicum*) knotweed (*Polygonum* sp.), knotweed/dock (*Polygonum/Rumex* group), wild cherry (*Prunus serotina*), raspberry/blackberry (*Rubus* sp.), elderberry (*Sambucus canadensis*), buffalobur (*Solanum rostratum*), chickweed (*Stellaria media*), clover (*Trifolium* sp.), vetch (*Vicia* sp.), grape (*Vitis* sp.), fox grape (*Vitis labrusca*), and grape (*Vitis* sp.), and members of the pigweed (*AMARANTHACEAE*), bean (*LEGUMINOSAE*), and grass (*POACEAE*) families. A non-carbonized, unidentifiable seed coat fragment was also noted. The non-carbonized seed specimens recovered from the flotation samples include both native and non-native species. Table C-3 presents the noncarbonized seed taxa recovered and the native/non-native status of each taxa. For the purposes of this study, all non-carbonized botanicals will be considered modern in origin and as such have been omitted from the quantitative analysis of the Puncheon Run archeobotanical remains.

Although the separation of carbonized and non-carbonized plant macroremains recovered from prehistoric contexts is critical to the accurate interpretation of plant use, the composition of non-carbonized seeds from prehistoric contexts also has a substantial bearing on the interpretation of both the cultural contexts sampled and recovered subsistence data. The recovery of modern seeds from presumed archaeological contexts demands the consideration of postdepositional disturbance, signals the possible mixing of cultural strata, and suggests that it may be difficult to obtain reliable subsistence data from such contexts. Furthermore, the presence of Eurasian and tropical seed species may cast doubt on the integrity of archaeological contexts and upon the prehistoric origin of associated features.

Common Name	Scientific Name	Status
pigweed	Amaranthus sp.	native
goosefoot/pigweed	Cheno/Amaranth group	native
goosefoot	Chenopodium sp.	native
rattlebox	Crotolaria sagittalis	native
spurge	<i>Euphorbia</i> sp.	non-native/native
goosegrass	Eleusine indica	non-native (European)
wild lettuce	Lactuca serriola	non-native (Eurasia)
lespedeza	<i>Lespedeza</i> sp.	non-native/native
carpetweed	Mollugo verticillata	native/non-native*
bayberry	<i>Myrica</i> sp.	native
wood sorrel	Oxalis stricta	native
panic grass	Panicum sp.	non-native/native
poke	Phytolacca americana	native
knotweed	Polygonum pennsylvanicum	native
knotweed	Polygonum sp.	native
knotweed/dock	Polygonum/Rumex group	native
wild cherry	Prunus serotina	native
raspberry/blackberry	Rubus sp.	native
elderberry	Sambucus canadensis	native
buffalobur	Solanum rostratum	non-native
chickweed	Stellaria media	non-native
clover	Trifolium sp.	non-native
vetch	Vicia sp.	native/non-native
fox grape	Vitis labrusca	native
grape	Vitis sp.	native
amaranth family	AMARANTHACEAE	native
bean family	LEGUMINOSAE	native/non-native
grass family	POACEAE	native/non-native

 Table C-3: Status of Non-carbonized Seeds Recovered from Flotation Samples

* Native to the tropics or subtropics of the Northern and Southern hemispheres. Archaeological evidence from the Tennessee River valley confirms that *M. verticillata* was present in temperate eastern North America 3,000 years ago (Chapman et al. 1974).

e. Cultivated Plant Remains

The remains of cultivated plants were conspicuously absent from the Puncheon Run flotation samples. Macrofloral analysis of remains from prehistoric sites throughout the Eastern Woodlands has established strong evidence for advanced horticultural economies focused on the cultivation of both native oily-seeded and starchy-seeded annuals (including knotweed, pigweed, goosefoot, little barley, sunflower, and sumpweed) and the Mesoamerican triumvirate of corn, beans, and squash (Ford 1994; Scarry 1993; B.D. Smith 1992). Although *Chenopodium* and *Polygonum* seeds were recovered within the site assemblage, the Puncheon Run specimens exhibit no characteristics of cultivated types (i.e., increased seed size, thin-seed coat, and morphological variation), and are assumed to be representatives of wild taxa (B.D. Smith 1985).

f. Miscellaneous Plant Remains

A variety of miscellaneous archeobotanical materials were identified within the Puncheon Run flotation assemblage, including 307 fragments of amorphous carbon fragments, three monocot stem fragments, five unidentifiable charcoal fragments, one coniferous bud fragment, three woody bud fragments, three unidentifiable bud fragments, 20 unidentifiable rind fragments, eight unidentifiable plant parts, one unidentifiable spherical specimen, one fungal fructification, two hull fragments, and a single unidentifiable peduncle.

B. DISCUSSION OF ARCHEOBOTANICAL REMAINS BY LOCUS

A discussion of archeobotanical remains and associated features, and a review of recovered plant remains, are presented below by locus. The feature descriptions provided in Appendix K of this volume give the location and general description of cultural features sampled. The comprehensive floral inventory is provided by locus in Attachment A. Table C-4 presents the percentage presence of plant macroremains by locus. Figure C-1 illustrates the comparative productivity of flotation samples based on the mean average of charcoal recovered per liter of cultural fill.

1. Locus 1

a. Hand-Collected Samples

Three hand-collected charcoal samples were analyzed from Locus 1 contexts. These were secured from Features 50 and 51, and from nonfeature deposits in EU 376, Stratum C. A total of 0.32 grams of carbonized plant material was examined. The Feature 50 sample was composed of a single insect gall, similar to those found on small oak limbs. The Feature 51 sample contained six fragments of thick-walled hickory nutshell. The nonfeature sample was composed of a single fragment of thick-walled hickory nutshell.

b. Feature Flotation Samples

A total of 31 soil samples were submitted for flotation processing and analysis from features in Locus 1. A total of 61.5 liters of feature fill were processed, yielding 9.92 grams of carbonized plant material (an average of 0.16 grams per liter). Macrobotanical remains from 14 distinct cultural features were examined (Features 1, 2, 3, 4, 5, 6, 7A, 7B, 41, 46, 50, 51, 66, and 98). The results are discussed below by feature.

Locus	Wood	Nut	Carbonized Seed	Nc Seed	No. Samples
Locus 1					
feature	96.8	32.3	6.5	67.7	31
nonfeature	46.2	23.1	7.7	46.2	13
Locus 2					
feature	100.0	100.0		100.0	1
nonfeature	33.3	33.3		33.3	3
Locus 3					
feature	91.3	30.4	39.1	76.1	46
nonfeature	62.5	15.6	12.5	50.0	32
control	75.0	12.5		75.0	8
TOTAL	79.1	26.1	18.7	64.2	134

 Table C-4: Percentage Presence of Flotation-Recovered Macrofloral Remains by Locus



Figure C-1: Productivity of Puncheon Run Flotation Samples by Locus

1) Feature 1

A single 2-liter flotation sample analyzed from Feature 1 yielded 1.36 grams of carbonized plant material (0.68 grams per liter) composed of wood charcoal (hickory and oak) and unidentifiable plant carbon. Non-carbonized seeds were present within the sample.

2) Feature 2

A single 2-liter flotation sample secured from Feature 2 produced 0.08 grams of carbonized plant remains (0.04 grams per liter) composed of oak and hickory wood charcoal, thick-walled hickory nutshell, and unidentifiable plant carbon. Non-carbonized seeds were observed.

3) Feature 3

Three soil samples from Feature 3 totaling 6 liters yielded 1.31 grams of carbonized plant material (0.22 grams per liter). Identified plant remains included white oak, hickory and unspecified oak wood, thick-walled hickory nutshell, amorphous carbon, and unidentifiable plant charcoal. Non-carbonized seeds were observed in one of the three samples analyzed from Feature 3.

4) Feature 4

Two soil samples processed from Feature 4 yielded 0.63 grams of carbonized plant material (0.16 grams per liter). Recovered remains included white oak and maple wood charcoal, thick-walled hickory and acorn nutshell, and unidentifiable carbonized seeds. Non-carbonized seeds were encountered in both of the samples analyzed from Feature 4.

5) Feature 5

Two samples processed from Feature 5 yielded 0.96 grams (0.24 grams per liter) of carbonized plant material. The Feature 5 botanical assemblage contained hickory, white oak and unspecified oak woods, rind fragments, unidentifiable spherical carbon specimens, and amorphous carbon.

6) Feature 6

A single soil sample processed from Feature 6 yielded 0.18 grams of carbonized plant material (an average of 0.09 grams per liter). Recovered botanicals included unspecified oak, white oak and hickory woods, and unidentifiable rind fragments.

7) Feature 7A

Two samples analyzed from Feature 7A yielded 0.45 grams (0.11 grams per liter) of carbonized material composed of hickory, maple, white oak, American chestnut, holly and pine wood charcoal, thick-walled hickory nutshell, and amorphous carbon. Non-carbonized seeds were observed in both of the samples from Feature 7A.

8) Feature 7B

Two soil samples from Feature 7B yielded 0.26 grams (0.07 per liter) of carbonized plant material. Identified remains included white oak, tulip poplar and American chestnut wood charcoal, and amorphous carbon. Scant non-carbonized seeds were present in one of the two Feature 7B samples analyzed.

9) Feature 41

Three flotation samples from Feature 41 yielded 0.14 grams (0.2 grams per liter) of carbonized plant macroremains. Red oak and maple or birch wood charcoal, a monocot stem fragment, and amorphous carbon were identified. Non-carbonized seeds were absent.

10) Feature 46

Four samples from Feature 46 yielded a total of 2.18 grams of carbonized plant material (an average of 0.27 grams per liter). Identified remains included white oak, hickory, dogwood, holly and maple wood charcoal, thick-walled hickory nutshell, and amorphous carbon. Non-carbonized seeds were encountered in three of the four samples analyzed.

11) Feature 50

Two samples from Feature 50 yielded 0.24 grams (0.06 grams per liter) of carbonized plant macroremains composed of white oak wood charcoal and amorphous carbon. Non-carbonized seeds were present in both of the flotation samples from Feature 50.

12) Feature 51

Analysis of two soil samples from Feature 51 produced 0.39 grams of carbonized plant material (an average of 0.10 grams per liter). Identified remains included white oak, hickory, ash, unspecified oak, and black walnut wood charcoal; thick-walled hickory nutshell; and amorphous carbon. Non-carbonized seeds were present in the samples analyzed from Feature 51.

13) Feature 66

Four flotation samples totaling 7.5 liters were collected from Feature 66. Flotation-processing yielded 1.66 grams of carbonized plant macroremains (an average of 0.22 grams per liter), including hickory, unspecified oak, maple or birch and American holly wood charcoal; one possible seed coat fragment from American lotus (Feature Stratum A, Level 2, NW Quadrant); a coniferous bud fragment; and amorphous carbon. Non-carbonized seeds were observed in three of the four samples from Feature 66.

14) Feature 98

Two soil samples from Feature 98 yielded 0.08 grams (0.02 grams per liter) of carbonized plant material. The Feature 98 assemblage was composed of unidentifiable wood charcoal and thick-walled hickory nutshell. Non-carbonized seeds were encountered in one of the two samples analyzed.

c. Nonfeature Flotation Samples

A total of 13 2-liter soil samples secured from nonfeature contexts within Locus 1 were submitted for analysis. Flotation processing of 26 liters of nonfeature fill yielded a total of 0.97 grams of carbonized plant macroremains, or an average of 0.04 grams per liter of cultural fill. Seven (54 percent) of the Locus 1 nonfeature samples submitted were unproductive, yielding a paucity of carbonized plant remains. Archeobotanical remains secured from the other six samples contained a variety of wood charcoal types (dominated by white oak and hickory, with unspecified oak and American holly represented as well), thick-walled hickory nutshell (contained almost exclusively within two Block 16 samples), a single unidentifiable carbonized seed, and a fragment of unidentifiable plant tissue. Non-carbonized seeds were present in six of the 13 nonfeature flotation samples analyzed from Locus 1.

2. Locus 2

A total of four flotation samples were submitted for analysis from Locus 2. Analysis of 8 liters of cultural sediment yielded 0.4 grams of charcoal, or an average density of 0.05 grams of carbonized plant material per liter of fill.

a. Feature Flotation Samples

Two 2-liter soil samples were collected from Feature 1 contexts. One sample was secured from the upper strata of the feature interior and yielded 0.17 grams of plant macroremains. Recovered plant materials included white oak wood charcoal, thick-walled hickory nutshell, non-carbonized seeds, a fragment of monocot stem, and amorphous carbon. One sample was secured from the exterior of Feature 1. Carbonized plant remains were absent from this sample, but it contained non-carbonized seeds similar to those observed in the feature interior sample.

b. Nonfeature Flotation Samples

Two 2-liter flotation samples were analyzed from nonfeature contexts within Block 18 (EU 218). One sample was devoid of archeobotanical material and non-carbonized seed remains, and the other contained 0.23 grams of carbonized plant material. Identified floral material within the latter sample included oak wood charcoal, thick-walled hickory nutshell, and amorphous carbon. No non-carbonized seeds were observed in the samples.

3. Locus 3

a. Hand-Collected Samples

Four hand-collected carbon samples were collected from Locus 3 contexts. Three samples were secured from cultural features (Features 30 and 37), and one sample was retained from nonfeature contexts (EU 164). A total of 1.35 grams of carbonized plant material was analyzed from these proveniences. Two samples from Feature 30 contained deciduous wood charcoal, thick-walled hickory nutshell, and carbonized poke seeds (totaling 0.91 grams). The Feature 37 sample was composed exclusively of thick-walled hickory nutshell (weighing 0.44 grams). The nonfeature sample contained a single carbonized poke seed.

b. Feature Flotation Samples

A total of 46 soil samples were submitted for flotation processing and analysis from Locus 3 features. A total of 90 liters of feature fill was processed, yielding 31.32 grams of carbonized plant material (an average of 0.35 grams per liter). Macrobotanical remains from 18 distinct cultural features were examined (Features 1A, 1B, 2, 7, 8, 9, 13, 16A, 16B, 24, 25, 29, 30, 36, 37, 38, 94, 96). The results are presented below by feature.

1) Feature 1A

Two 2-liter flotation samples processed from Feature 1A yielded 1.09 grams of carbonized plant macroremains (0.27 grams per liter). The Feature 1A botanical assemblage was composed of white, red, and unspecified oak wood charcoal; carbonized goosefoot; knotweed grass; chickweed seeds and an "unknown" seed; and amorphous carbon. Non-carbonized seeds were present in both of the samples analyzed from Feature 1A.

2) Feature 1B

Three 2-liter samples from Feature 1B yielded 7.47 grams of carbonized plant material (1.25 grams per liter). Identified remains included white oak wood charcoal, thick-walled hickory nutshell, carbonized goosefoot and poke seeds, and amorphous carbon and unidentifiable carbon. Non-carbonized seeds were observed in all three flotation samples from Feature 1B.

3) Feature 2

Five 2-liter soil samples were submitted from Feature 2, yielding a total of 4.01 grams (0.40 grams per liter) of carbonized plant remains. Wood charcoal dominated the Feature 2 assemblage, with unspecified oak, sweetgum, and black locust identified. Thick-walled hickory nutshell, carbonized goosefoot, grass and unidentifiable eroded seeds, and amorphous carbon were also recovered. Non-carbonized seeds were encountered in one of the five samples analyzed from Feature 2.

4) Feature 7

The single flotation sample analyzed from Feature 7 yielded 0.26 grams of carbonized plant material (0.13 grams per liter). Recovered remains included white oak, sweetgum, and hickory wood charcoal; carbonized goosefoot seeds; and amorphous carbon. Non-carbonized seeds were also observed.

5) Feature 8

Processing of one soil sample from Feature 8 yielded 0.46 grams of carbonized plant remains (0.23 grams per liter). Identified material included pine and sweetgum wood charcoal, and an unidentifiable seed fragment. Non-carbonized seeds were also recovered.

6) Feature 9

A single 1-liter flotation sample retained from Feature 9 yielded 0.44 grams of carbonized plant remains. Oak charcoal and amorphous carbon were identified. Non-carbonized seeds were also observed.

7) Feature 13

One 2-liter soil sample was processed from Feature 13, producing 0.37 grams (0.19 grams per liter) of carbonized plant material. Recovered remains included sweetgum, hickory, and black walnut wood charcoal; unidentifiable eroded seeds; unidentifiable rind fragments; and amorphous carbon. The single sample from Feature 13 contained non-carbonized seeds.

8) Feature 16A

The single flotation sample processed from Feature 16A yielded 0.42 grams (0.21 grams per liter) of plant carbon. Identified remains included white oak, sweetgum, and American chestnut wood charcoal; a carbonized grass seed; and an unidentifiable rind fragment. Non-carbonized seeds were encountered within this sample.

9) Feature 16B

One 2-liter sample secured from Feature 16B was processed, yielding 0.09 grams (0.05 grams per liter) of carbonized plant macromaterial. Recovered remains included white oak and hickory wood charcoal, and a carbonized knotweed seed. Non-carbonized seeds were also present.

10) Feature 24

Seven 2-liter flotation samples were analyzed from this feature. Flotation processing of 14 liters of soil from the feature yielded 0.19 grams of charcoal, or an average density of 0.01 grams of charcoal per liter of feature fill. Four of the seven samples yielded carbonized plant remains. The Feature 24 wood remains were in eroded and fragmentary condition, which limited identification of 88 percent of the sample. Identifiable wood fragments were concentrated in the upper four levels of the feature. Sweetgum and white oak were identified. Hickory nutshell was recovered from the uppermost level of Feature 24. A total of 13 goosefoot seeds were identified from two samples. Miscellaneous plant remains recovered included two hull fragments, one fungal fructification, and a single fragment of amorphous carbon. Non-carbonized seeds were recovered from six of the seven samples analyzed. All non-carbonized seeds represent native species, including wild cherry, pigweed, elderberry, *Polygonum/Rumex*, goosefoot, and poke.

11) Feature 25

Six samples were submitted from Feature 25. Flotation processing of 12 liters of soil yielded 2.25 grams of charcoal, or an average density of 0.19 grams of charcoal per liter of feature fill. Wood charcoal was recovered from all six flotation samples, and a variety of tree species were identified. Hickory dominated the wood assemblage, followed by white oak species, sweetgum, mulberry, persimmon, and sassafras. Hickory nutshell was recovered from five of the six samples analyzed, totaling 33 shell fragments. Carbonized seeds were scarce within Feature 25, being present in only two of the samples examined. Two dock seeds and a single unidentifiable eroded seed were recovered. A variety of miscellaneous plant parts were also recovered from Feature 25, including amorphous carbon, an unidentifiable rind fragment, woody bud fragments, and a peduncle fragment. Non-carbonized seeds were present in three of the six Feature 25 samples analyzed.

An additional 2-liter flotation sample was secured from beneath Feature 25 (Stratum E, Level 9). This sample failed to yield any botanical remains whatsoever.

12) Feature 29

The single 2-liter soil sample processed from Feature 29 yielded a copious 10.18 grams (5.39 grams per liter) of carbonized plant material. Recovered remains were dominated by wood charcoal identified as white oak and American chestnut. Also identified were one eroded seed, amorphous carbon, and a woody bud fragment. Non-carbonized seeds were also observed.

13) Feature 30

Five flotation samples totaling 9 liters were processed from Feature 30, yielding 0.67 grams of carbonized plant remains (0.07 grams per liter). The Feature 30 assemblage included white oak and hickory wood charcoal, thick-walled hickory nutshell, an unidentifiable eroded seed, a rind fragment, unidentifiable charcoal, and amorphous carbon. Non-carbonized seeds were encountered in three of the five samples analyzed from Feature 30.

14) Feature 36

Two soil samples from Feature 36 yielded 0.50 grams of carbonized plant macroremains (0.13 grams per liter). Identified floral material included white oak, American chestnut, and unspecified oak wood charcoal; an unidentifiable bud fragment; and amorphous charcoal. Non-carbonized seeds were abundant within both of the samples from Feature 36.

15) Feature 37

The single sample analyzed from Feature 37 yielded 0.10 grams (0.05 grams per liter) of carbonized floral material. Recovered plant remains were composed of white oak and hickory wood charcoal, and thick-walled hickory nutshell. A variety of non-carbonized seeds were also encountered.

16) Feature 38

Of the four 2-liter flotation samples submitted from Feature 38, three yielded archeobotanical remains. Flotation processing of 8 liters of feature fill yielded 0.2 grams of carbonized floral material (0.03 grams per liter). Recovered remains included tulip poplar wood charcoal, a woody bud fragment, unidentifiable carbon, and amorphous carbon. Non-carbonized seeds were recovered from three of the four flotation samples analyzed from Feature 38.

17) Feature 94

The single sample from Feature 94 yielded 1.18 grams (0.59 grams per liter) of carbonized plant material. Identified remains included highly eroded wood charcoal (only a single fragment was identifiable [as pine]), a rind fragment, and amorphous carbon. A variety of non-carbonized seeds were also observed within the sample.

18) Feature 96

Three soil samples totaling 6 liters were processed from Feature 96, producing 1.44 grams (0.24 grams per liter) of carbonized plant material. The botanical assemblage was dominated by wood charcoal identified as white oak, red oak, black walnut, hickory, pine, and American chestnut. Thick-walled hickory nutshell was

recovered from two of the three samples, and amorphous carbon was present within all samples analyzed. Non-carbonized seeds were encountered in abundance throughout all three of the samples from Feature 96.

c. Nonfeature Flotation Samples

Thirty-two 2-liter soil samples secured from nonfeature contexts within Locus 3 were submitted for analysis. Flotation processing of 64 liters of nonfeature fill yielded a total of 2.32 grams of carbonized plant macroremains, or an average density of 0.04 grams per liter of cultural fill. Twelve (38 percent) of the Locus 3 nonfeature samples were unproductive, yielding a paucity of carbonized plant remains. Archeobotanical remains secured from the other 20 samples contained a variety of wood charcoal types (dominated by white oak, red oak, and hickory; and unspecified oak with maple, maple or birch, tulip poplar, red mulberry, black cherry, and black locust), thick-walled hickory nutshell (recovered exclusively from EUs 397 and 455), a carbonized goosefoot seed (from EU 123 samples), and poke (from an EU 120 sample) seeds, a fragment of monocot stem, and amorphous carbon. Non-carbonized seeds were present in 16 of the 32 nonfeature flotation samples analyzed from Locus 3.

d. Control Samples

To provide comparative data from non-cultural soil matrix, eight flotation samples were collected and processed as a control. Data established through the analysis of these control samples aids in assessing the contribution of natural seed rain, minute artifact migration, and rodent activities to the Locus 3 samples. Four control samples each were analyzed from EUs 153 and 213. Processing of 16 liters of soil yielded 0.71 grams of charcoal, or a mean average of 0.04 grams of charcoal per liter of fill. Carbonized botanical remains were scarce but present within 75 percent of the control samples analyzed. Recovered plant remains included wood charcoal (in 75 percent of the analyzed samples), thick-walled hickory nutshell (in 13 percent of the analyzed sample), and amorphous carbon (in 63 percent of the analyzed samples). In addition to carbonized plant remains, non-carbonized seeds were encountered in 75 percent of the analyzed samples. Non-carbonized seed remains identified include native taxa, as well as the non-native species carpetweed and wild lettuce.

IV. DISCUSSION

The culmination of Extended Phase II and Phase III archeobotanical analysis at the Puncheon Run Site represents a significant contribution to the archeobotanical database for the Middle Atlantic region. Large-scale flotation and analysis conducted over an unusually large Woodland period site provided an analytically significant data set from which to explore the many persistent questions regarding late Holocene human environmental adaptation, Woodland settlement systems, and prehistoric foodways on Delaware's coastal plain.

Although the flotation assemblage from the Puncheon Run Site is significant and comprehensive, and contributes to an interpretation of site subsistence and landscape utilization, the data are problematic in that they are productive because they were largely unproductive. In addition to providing only a small and biased sample of the array of plants deposited prehistorically, the data from Puncheon Run offer shockingly little information regarding diet and subsistence. In addition, review of the recovered botanical remains indicates that the integrity of cultural deposits at the site has been compromised. The patterning of carbonized plant remains combined with the recovery of Eurasian and tropical seed species from subplowzone contexts signals the mixing of cultural and natural strata by a variety of postdepositional factors.

Based on the botanical data recovered and our understanding of Woodland I and II culture in Delaware (Custer 1994), we know that residents of the Puncheon Run Site undoubtedly used a wide spectrum of plants

from the rich flora of the area for food, fuel, construction, tool manufacture, and medicine. The location of the Puncheon Run Site at the confluence of the St. Jones River and Puncheon Run would have afforded residents easy access to the productive potential of a variety of microenvironmental zones, including forested uplands, wooded bottomlands, tidal freshwater marshes, fertile floodplain areas, and open-water settings. Because the availability of various types of plant foods is strongly influenced by seasonal cycles, residents of the area would have maximized their dietary options by having direct access to this variety of vegetational zones throughout all seasons of the year, exploiting each in its turn. Surplus harvests, when available, would have been processed and stored for consumption during times of limited availability. Horticultural activities at the site may have further maximized the dietary options of site occupants.

Carbonized plant remains from across the site were disappointingly scarce, with a site average of only 0.17 grams of charcoal per liter of fill. Although a variety of plant species and plant parts were recovered, the condition of these remains ranged from poor to fair. Carbonized specimens appear to have suffered from considerable erosion and fragmentation. In addition to carbonized plant macroremains, the Puncheon Run botanical assemblage includes fresh seed remains from intact features, and carbonized and non-carbonized non-native seed species from below plowzone contexts. Interpretive issues raised by the presence of these remains are compounded by the stratigraphic complexity of the site, where sandy sediments appear to have permitted the leaching and transport of organic material through soil strata.

The presence of non-native seeds, such as wild lettuce, goosegrass, copperleaf, chickweed, clover, and carpetweed, cast considerable doubt on the prehistoric origin of the many subsurface contexts sampled. The presence of tropical and Eurasian imports raises interpretive questions regarding the integrity of cultural deposits at the Puncheon Run Site. The presence of non-native seeds at Puncheon Run is similar to the pattern observed at other Delaware sites, including Carey Farm, Leipsic, Pollack and Hickory Bluff (Custer, Riley, and Mellin 1996; Custer, Watson, and Silber 1996; McKnight 1999).

The predominance of oak and hickory woods within assemblage is entirely consistent with the forest cover type of the area (Brush 1986; Custer 1989; Sargent 1884) and with the pattern of wood remains expected for Woodland I and II flotation assemblage in the region (Custer and Hodny 1989; Custer and Silber 1995; Custer, Riley, and Mellin 1996; Custer, Watson, and Silber, 1996; Kellog and Custer 1994; LeeDecker et al. 1996). Unfortunately, the pattern of wood remains from Puncheon Run provides no insight into the preference of certain tree species for either fuel or construction.

Based on the extremely limited food plant remains recovered from Puncheon Run, significant dietary reconstruction for Woodland period site inhabitants cannot be achieved based on archeobotanical data. We speculate that the residents of Puncheon Run used a broad range of plant species from the local landscape for their dietary requirements. Indeed, the recovery of hickory, chestnut, and oak remains attest to the local availability of these taxa, and their fruits would have provided high-caloric, storable foods. Archeobotanical research has documented an increase in the importance of four indigenous, annual, starchy, seed-bearing plants by about 2,200 years ago: maygrass (*Phalaris caroliniana*), little barley (*Hordeum pusillum*), goosefoot (*Chenopodium* sp.), and knotweed (*Polygonum erectum*) (Asch and Asch 1983; Crites 1984; Johannessen 1984). Although present in the Puncheon Run flotation assemblage, the goosefoot and knotweed seeds recovered bear no morphological indication of domestication, but transition from wild to weedy to domesticated status is hard to pinpoint based on the small sample of recovered archeobotanical remains (B.D. Smith 1992). Based on the Puncheon Run assemblage, we may assert that these species flourished in the disturbed environment of the base camp and that the presence of starchy-seeded knotweed and goosefoot may indicate that these species were being used on site.

This archeobotanical assemblage does little to advance an understanding of seasonal resource use at the Puncheon Run Site. We know that hickory nutmeats contributed to the diet. Although these resources ripen for harvest during the fall, Smith notes that stored nutmeats were heavily relied upon during the spring months of March through June, when other foodstuffs were scarce (1986:162). The seed species represented in the Puncheon Run assemblage seeds ripen and are ready for harvest from midsummer through late fall.

Unfortunately, scrutiny of the Puncheon Run archeobotanical data provides little insight into feature function at the site. In addition to the fact that the unclear nature of many encountered features at the site limits interpretation of associated plant remains, the plant data themselves do little to elucidate possible feature function or patterning. Carbonized plant remains across all features sampled were scant, and their distribution is unrevealing. The recovery of modern seed remains (both non-carbonized native specimens and carbonized/non-carbonized Eurasian and tropical species) from archaeological contexts at Puncheon Run is supportive of the interpretation of many features as natural in origin (i.e., tree falls and rodent dens). The control and subfeature samples analyzed from the site show disappointingly little contrast to the cultural features analyzed.

Key research questions initially prescribed for Extended Phase II and Phase III investigations at the Puncheon Run site focus on the identification and function of pit house features. The natural or cultural origin of these features remains of interest. Previous investigations at the Puncheon Run Site (Liebknecht et al. 1997) suggest that the site conformed to the Woodland I microband base camp settlement type, similar to other examples of this site type identified in Kent and New Castle counties, Delaware. Designation of this site type relies, in part, on the presence of unique pit house features. Uncertainty surrounds the characteristics of these pit house features and their interpretation. Although Feature 24 is being examined as a possible pit house, data from the feature do not reveal either the depositional pattern or types of plant macroremains which might be anticipated on living-floors or in the preparation or processing of plant foods in a domestic setting. The presence of non-carbonized and exotic seeds casts further doubt on the integrity of this feature.

The botanical assemblage from the Puncheon Run Site can be compared to similar assemblages from other Woodland I and II sites in the region. The existing model for the Woodland I period (Custer 1994) indicates that this period was characterized by advances in plant food processing based on the addition of plant food processing tools to the basic toolkit and the use of pits that were presumably used for the storage of seasonally surplus foods. Although many Woodland camps have been excavated, there is relatively little information available about the types of plant foods that were used by Woodland I groups. Table C-5 offers a broad comparison of edible plant taxa from comparable sites in the region. Flotation data from other Woodland I and II sites in the region are similar to the problematic data from Puncheon Run. The recovery of non-carbonized and non-native seeds from within and below prehistoric features has been noted at other sites (Affleck et al. 1997:108-115). Whether this puzzling pattern of plant remains can be attributed to the migration of minute artifacts through the loose coastal plain soils in which the sites are located or to an inaccurate model of Woodland I and II settlement patterns has yet to be determined.

V. SUMMARY

Significant questions remain regarding the subsistence and settlement patterns of Woodland I and II occupants at the Puncheon Run Site. What plant foods *were* utilized by site residents? If they were not growing food, why is there not better representation of wild plant foods within the site assemblage? And why do the data not support the Woodland I model for advances in plant food processing and storage (Custer 1994)? These questions cannot be answered by the archeobotanical assemblage alone. The insufficiency of the data may simply be a result of preservational or sampling bias and should be viewed as inconclusive.

Table C-5:	Comparison	of Plant Food	Remains From	Woodland I an	d Woodland II Sites
------------	------------	---------------	---------------------	---------------	---------------------

SITE/PERIOD	Acorn	Am. Lotus	Bayberry	Bean	Butternut	Carpetweed	Chenopodium	Cherry	Chickweed	Clammyweed	Copper Leaf	Corn	Dogwood	Elderberry	Flax	Goosefoot	Grape	Greenbrier	Hackberry	Hickory
Puncheon Run Site 7K-C-51/Woodland I and II	x	×	×			×	X	x	x		x			x		x				x
7K-C-194A (1)/ Woodland I and II	×				×		×				x		x				x	×		x
7NC-G-101 (2)/ Woodland I and II			×		X		×				X									X
7K-D-21 (3)/AD 600		X																		X
7K-D-3 (4)/AD 0 - 60																				X
7NC-E-41 (5)/ Woodland I and II	×		×	x		×	×		x	x					×		X			X
7NC-E-46 (6)/ca. 200 BC							X												X	X
7S-K-21 (7)/ 500 BC - AD 600	X				X		×													X
7S-D-9 (8)/AD 0 - 600					X															X
7S-G-79(9)/ AD 1000 - 1500												X								X
7K-C-411 (10)/ Woodland I and II								x						X			X			X
SITE/PERIOD	Hognut	Knotweed	Mint	Mustard	Pigweed	Pokeweed	Ragweed	Raspberry	Sage	Sedge	Sheepsorrell	Skullcap	Solomons Seal	Spurge	Strawberry	Thimbleberry	Tulio Tree	Thyme	Viburnum	Walnut
Puncheon Run Site 7K-C-51/Woodland I and II		X			×	×		X			X			×	×					
7K-C-194A (1)/ Woodland I and II					×			X			X		X				X			
7NC-G-101 (2)/ Woodland I and II		X					×	X						×		×				
7K-D-21 (3)/AD 600																			×	
7K-D-3 (4)/AD 0 - 60																				
7NC-E-41 (5)/ Woodland I and II	×	×	×	×	×	×		X	×	×		X		×				×		X
7NC-E-46 (6)/ca. 200 BC					X															
7S-K-21 (7)/ 500 BC - AD 600					×															
7S-D-9 (8)/AD 0 - 600																				
7S-G-79(9)/ AD 1000 - 1500																				X
7K-C-411 (10)/ Woodland I and II		X			×	×		X						×			X			×

(1) Custer, Riley, and Mellin 1996; (2) Custer and Silber 1995; (3) Thomas et al. 1975; (4) Griffith 1974; (5) Thomas 1981;
 (6) Custer and Bachman 1983; (7) Custer, Stiner, and Watson 1983; (8) Custer and Mellin 1987; (9) Doms et al. 1985;

(10) McKnight 1999. * Adapted from Custer, Riley, and Mellin (1996:129).

shading denotes non-native species

Concurrent research at Puncheon Run includes microbotanical studies (phytolith, lithic edgewear, and protein antisera analysis), an ethnohistoric literature review focused on regional plant use, and a landscape study which together may better illuminate the role of plant resources in the economy, function, and culture of the Puncheon Run Site.

REFERENCES CITED

Affleck, Richard, Leslie Frucht, and Ingrid Wuebber

- 1997 Class and Social Identity in St. Georges Hundred: Data Recovery Excavations at Locust Grove (7NC-F-13), State Route 1 Corridor, New Castle County, Delaware. Draft report prepared for the Delaware Department of Transportation, Dover, by Louis Berger & Associates, Inc., East Orange, New Jersey.
- Asch, David L., and Nancy B. Asch
- 1983 Archeobotany. In *Excavations at the Smiling Dan Site*, edited by B.D. Stafford and M.B. Sant, pp. 635-725. Report of Investigations 137. Contract Archaeology Program, Center for American Archaeology, Kampsville, Illinois.

Brush, Grace

1986Geology and Ecology of the Chesapeake Bay: A Long-Term Monitory Tool for Management.Journal of the Washington Academy of Sciences 76(3):146-160.

Chapman, J., R.B. Stewart, and R.A. Yarnell

1974Archaeological Evidence for Precolumbian Introduction of Portulaca oleracea and Mollugo
verticillata into Eastern North America. Economic Botany 28:411-412.

Crites, G.

1984 Middle Woodland Paleo-ethnobotany of the Eastern Highland Rim. Paper presented at the 5th Annual Mid-South Archaeological Conference, Pinson Mounds, Tennessee.

Custer, Jay

- 1989 *Prehistoric Cultures of the Delmarva Peninsula*. University of Delaware Press, Newark.
- 1994 Stability, Storage and Culture Change in Prehistoric Delaware: The Woodland I Period (3000 B.C. A.D. 1000). Center for Archaeological Research, University of Delaware, Newark.

Custer, Jay F., and Bachman

1983Phase III Data Recovery Excavations of the Prehistoric Components form the Hawthorn Site
(7NC-E-46) New Churchman's Road, Christiana, New Castle County, Delaware. DelDOT
Archaeology Series No. 27. Delaware Department of Transportation, Dover.

Custer, Jay F., and Barbara H. Silber

1995 Final Archaeological Investigations at the Snapp Prehistoric Site (7NC-G-101), State Route 1 Corridor, Chesapeake and Delaware Canal Section, New Castle County, Delaware. DelDOT Archaeology Series No. 122. Delaware Department of Transportation, Dover.

Custer, Jay F., and Glen Mellin

1987 Recent Archaeological Survey and Testing in the Atlantic Coast Zone of Delaware. *Bulletin of the Archaeological Society of Delaware* 24:1-78.

Custer, Jay F., and Jay Hodny

1989 Final Archaeological Investigations at the Hockessin Valley Site (7NC-A-17), New Castle County, Delaware. DelDOT Archaeology Series No. 75. Delaware Department of Transportation, Dover.

Custer, Jay F., Lynn Riley, and Glen Mellin

- 1996 *Final Archaeological Investigations at the Leipsic Site (7K-C-194A), State Route 1 Corridor, Kent County Delaware.* DelDOT Archaeology Series No. 118. Delaware Department of Transportation, Dover.
- Custer, Jay F., M.C. Stiner, and S.C. Watson
- 1983 Excavations at the Wilgus Site (7S-K-21). Bulletin of the Archaeological Society of Delaware 15:1-44.

Custer, Jay F., Scott C. Watson, and Barbara H. Silber

- 1996 *Final Archaeological Investigations at the Carey Farm Site (7K-D-3) and Island Farm (7K-C-13) Sites, State Route 1 Corridor, Kent County, Delaware.* DelDOT Archaeology Series No. 142. Delaware Department of Transportation, Dover.
- Dent, Richard J., and Barbara Kauffman
- 1985 Aboriginal Subsistence and Site Ecology as Determined from Microfloral and Microfaunal Remains. In *Shawnee Minisink: A Stratified Paleoindian-Archaic Site in the Upper Delaware Valley of Pennsylvania*, edited by Charles W. McNett, pp. 55-79. Academic Press, Orlando, Florida.

Doms, K., Jay F. Custer, G. Davis, and C. Trivelli

1985Archaeological Investigations at the Bay Vista Site (7S-G-26) and the Cole Site (7S-G-79).
Bulletin of the Archaeological Society of Delaware 19:1-26.

Edlin, Herbert L.

1969 What Wood is That? A Manual of Wood Identification. The Viking Press, New York.

Ford, Richard I. (editor)

1994 *The Nature and Status of Ethnobotany*. Anthropological Papers No. 67. Museum of Anthropology, University of Michigan, Ann Arbor.

Griffith, D.R.

1974 Ecological Studies of Prehistory. *Transactions of the Delaware Academy of Science* 5:63-81.

Hastorf, C.A., and V.S. Popper (editors)

1988 *Current Paleoethnobotany*. The University of Chicago Press, Chicago, Illinois.

Johannessen, Sissel

1984 Paleoethnobotany. In *American Bottom Archaeology*, edited by C.J. Bareis and J.W. Porter, pp. 197-214. University of Illinois Press, Urbana.

Keepax, Carole

1977 Contamination of Archaeological Deposits by Seeds of Modern Origin with Particular Reference to the Use of Flotation Machines. *Journal of Archaeological Science* 4:221-229.

Kellog, Douglas C., and Jay F. Custer

1994 Paleo-environmental Studies of the State Route 1 Corridor: Contexts for Prehistoric Settlement. New Castle and Kent Counties, Delaware. DelDOT Archaeological Series No. 114. Delaware Department of Transportation, Dover.

Kozlowski, T.T. (editor)

1972 Seed Biology. Academic Press, New York.

LeeDecker, Charles H., Henry Holt, and John Bedell

1998 Preliminary Management Report: Extended Phase II Archaeological Testing of the Puncheon Run Site (7K-C-51), Locus 3, Puncheon Run Connector, Kent County, Delaware. Draft report prepared for the Delaware Department of Transportation, Dover, by Louis Berger & Associates, Inc., Washington, D.C.

LeeDecker, Charles H., Brad Koldehoff, and Cheryl Holt

1996 *Excavation of The Two Guys Site* 7S-F-68, Sussex County, Delaware. DelDOT Archaeological Series No. 138. Delaware Department of Transportation, Dover.

Leibknecht, William, Richard Hunter, Ian Burrow, Michale Tompkins, Patricia Madrigal, Brooke Blades, Glen Mellin, Frank Dunsmore, Susan Fehrenbach, Brian Seidel, and Joseph Schuldenrein

1997 Puncheon Run Connector, Parent Agreement #728, Dover, Kent County, Delaware, Phase I and II Archaeological Data Recovery (First Phase), the Puncheon Run Site (7K-C-51), the Hickory Bluff Prehistoric Site (7K-C-411), the Dawson House Site (7K-C-414), the Nixon Mill Site (7K-C-413). Draft report prepared for the Delaware Department of Transportation, Dover.

Martin A., and W. Barkely

Minnis, Paul E.

1981 Seeds in Archeological Sites: Sources and Some Interpretive Problems. *American Antiquity* 46:143-151.

McKnight, Justine Woodard

- 1999 *Results of Analysis: Flotation-Recovered Plant Remains from the Hickory Bluff Site (7K-C-411).* Preliminary report submitted to Parsons Engineering Science, Inc., Fairfax, Virginia.
- 2000 *Landscape Assessment of the Puncheon Run Site, Puncheon Run Connector Kent County, Delaware.* Submitted to The Louis Berger Group, Inc., Washington, D.C.

Panshin, Alexis, and Carl deZeeuw

1980 *Textbook of Wood Technology*. Volume 1, 4th edition. McGraw Hill, New York.

Pearsall, D.

1989 *Paleoethnobotany: A Handbook of Procedures.* Academic Press, San Diego.

Sargent, C.S.

1884 *Forests of Delaware and Maryland*. Tenth Census U.S. 9.

¹⁹⁶¹ *Seed Identification Manual.* University of California Press, Berkeley.

Scarry, C. Margaret (editor)

1993 Foraging and Farming in the Eastern Woodlands. University Press of Flori

Schopmeyer, C	C.S. Seeds of Woody Plants. Agricultural Handbook 450. United States Department of
	Agriculture, Washington, D.C.
Smith, B.D.	
1985	<i>Chenopodium berlandieri ssp. Jonesianum</i> : Evidence for a Hopewellian Domesticate from Ash Cave, Ohio. <i>Southeastern Archaeology</i> 4:107-133.
1992	<i>Rivers of Change: Essays on Early Agriculture in Eastern North America.</i> Smithsonian Institution Press, Washington, D.C.
Smith, E.	
1985	Recovery and Processing of Botanical Remains. In <i>The Analysis of Prehistoric Diets</i> , edited by Robert Gilbert and James Mielke, pp. 97-123. Academic Press, New York.
Smith, John	
1986[1608]	<i>A True Relation. The Complete Works of Captain John Smith (1580-1631).</i> 3 vols. Edited by Philip Barbour. University of North Carolina Press, Chapel Hill.
Thomas, R.	
1981	<i>Excavations at the Delaware Park Site (7NC-E-41).</i> DelDOT Archaeology Series No. 11. Delaware Department of Transportation, Dover.
Thomas, Rona	ld A., Daniel R. Griffith, Cara L. Wise, Richard E. Artusy, Jr.
1975	Environmental Adaptation on Delaware's Coastal Plain. Archaeology of Eastern North America 3:35-89.
Wagner, G.E.	
1982	Testing Flotation Recovery Rates. American Antiquity 47:127-132.
Watson, Patty	Jo
1976	In Pursuit of Prehistoric Subsistence: A Comparative Account of Some Contemporary Flotation Techniques. <i>Mid Continental Journal of Archaeology</i> 1(1).

ATTACHMENT A

MACROFLORAL INVENTORY - LOCUS 1

Cat #		98/2/1145	98/2/584	98/2/435	TOTALS
Locus		1	1	1	3 samples
Unit				376	
Strat				С	
Level				4	
Feature		51	50		
Feature Strat		A	А		
Feature Level		3	2		
Feature Quadrant		SW	SW 1/2		
Total Charcoal Weight (gra	ms)	0.2	0.01	0.11	0.32
					_
NUT REMAINS	(total count)	6		1	7
to	otal weight (grams)	0.2		0.11	0.31
Carya sp. (thick-walled hick	ory)	6		1	7
OTHER PLANT REMAINS	(total count)		1		1
	total weight (grams)		0.01		0.01
insect gall			1		1

Hand Collected Plant Remains, Locus 1, Puncheon Run Site (7K-C-51)

Catalog # Block		98/2/203	98/2/204	98/2/205	98/2/206	98/2/144 16
Unit Strata Level Feature Feature Strata		stp#C,1 B	stp#C-4 B	stp#C-6 B	stp#C-11 B	196 B 3
Feature Level Soil Sample Volume (liters)		2	2	2	2	2
Total Charcoal Weight (gran	ms)	0	0	0	0	0.26
WOOD CHARCOAL Acer sp. (maple)	(total count) total weight (grams)	0 0	0 0	0 0	0 0	1 0.01
Acer/Betula (maple/birch) Carya sp. (hickory) Ilex opaca (american holly) Quercus sp. (red group) Quercus sp. (white group) Quercus sp. (unspecified) ring porous deciduous taxa						
unidentifiable total identified fragments						1 1
NUT REMAINS	(total count) tal weight (grams)	0 0	0 0	0 0	0 0	17 0.25
Quercus sp. (acorn) Carya sp. (thick-walled hick	ory)					17
SEED REMAINS	(total count) total weight (grams)	0 0	0 0	0 0	0 0	0 0
unidentifiable seed unidentifiable large seed non-carbonized seeds prese	ent	no	no	ves	no	ves
OTHER PLANT REMAINS	(total count) total weight (grams)	0 0	0 0	0	0 0	0
amorphous carbon unidentifiable rind fragment unidentifiable plant part						

Catalog # Block Unit Strata Level		98/2/143 16 197 B 2	98/2/148 235 B	98/2/145 14 239 A	98/2/146 14 240 B	98/2/183 14 241 B
Feature Strata Feature Level Soil Sample Volume (liters)		2	2	2	2	ext. Fea 4
Total Charcoal Weight (grar	ns)	0.5	0	0.17	0.01	0.02
WOOD CHARCOAL Acer sp. (maple)	(total count) total weight (grams)	7 0.03	0 0	20 0.15	2 0.01	1 0.02
Acer/Betula (maple/birch) Carya sp. (hickory) Ilex opaca (american holly) Ouercus sp. (red group)		1		5		
Quercus sp. (white group) Quercus sp. (unspecified) ring porous		2		8		1
deciduous taxa unidentifiable total identified fragments		1 3 7	0	5 2 20	2	1
NUT REMAINS	(total count) tal weight (grams)	17 0.47	0 0	1 0.01	0 0	0 0
Carya sp. (thick-walled hick	ory)	17		1		
SEED REMAINS unidentifiable seed	(total count) total weight (grams)	0 0	0 0	0 0	1 <0.01 1	0 0
unidentifiable large seed non-carbonized seeds present		yes	no	yes	yes	no
OTHER PLANT REMAINS	(total count) total weight (grams)	0 0	0 0	1 0.01	0 0	0 0
amorphous carbon unidentifiable rind fragment unidentifiable plant part				1		

Catalog # Block Unit Strata Level		98/2/187 14 242 B	98/2/202 14 243 B	98/2/161 14 237 B	TOTALS 13 samples
Feature Feature Strata		ext. Fea 5	ext. Fea 6	ext. Fea 2	
Soil Sample Volume (liters)		2	2	2	26
Total Charcoal Weight (grar	ns)	0	0	0.01	0.97
WOOD CHARCOAL	(total count)	0	0	1	32
	total weight (grams)	0	0	0.01	0.23
Acer sp. (maple)					0
Acer/Betula (maple/birch)					0
Carya sp. (nickory)					5 1
Quercus sp. (red group)					0
Quercus sp. (white group)					8
Quercus sp. (unspecified)					3
ring porous					0
deciduous taxa				1	7
unidentifiable			-		8
total identified fragments		0	0	1	32
NUT REMAINS	(total count)	0	0	0	35
to	tal weight (grams)	0	0	0	0.73
Quercus sp. (acorn)	(g	-	-	-	0
Carya sp. (thick-walled hick	ory)				35
SEED REMAINS	(total count)	0	0	0	1
	total weight (grams)	0	0	0	0
unidentifiable seed					1
non-carbonized seeds pres	ent	VAS	no	no	0 6 of 13
non-carbonized seeds pres		yes	10	10	0 01 13
OTHER PLANT REMAINS	(total count)	0	0	0	1
	total weight (grams)	0	0	0	0.01
amorphous carbon					0
unidentifiable rind fragment					0
unidentifiable plant part					1

162 171 170 Catalog # 147 169 WOOD CHARCOAL (total count) 213 8 64 18 14 total weight (grams) 1.33 0.05 0.82 0.23 0.14 Acer sp. (maple) Acer/Betula (maple/birch) 2 Carya sp. (hickory) 7 1 1 2 9 Castanea dentata (American chestnut) Cornus florida (flowering dogwood) Fraxinus sp. (ash) llex opaca (american holly) Juglans nigra (black walnut) Liriodendron tulipifera (tulip poplar) Pinus sp. (so. pine group) 17 Quercus sp. (white group) Quercus sp. (red group) 1 4 3 5 Quercus sp. (unspecified) ring porous 5 2 2 coniferous taxa 3 3 3 deciduous taxa 4 unidentifiable 5 1 total identified fragments 20 8 20 18 14 NUT REMAINS (total count) 0 1 0 6 1 total weight (grams) 0 0.01 0 0.06 0.01 Quercus sp. (acorn) Carya sp. (thick-walled hickory) 6 1 1 SEED REMAINS (total count) 0 0 0 0 0 total weight (grams) 0 0 0 0 0 unidentifiable seed unidentifiable large seed possible Nelumbo lutea (American lotus) frag non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Ambrosia artemisiifolia (common ragweed) Euphorbia sp. (spurge) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel) Polygonum pensylvanicum (knotweed) entire fragment Polygonum sp. (knotweed) Solanum rostratum (buffalobur) Stellaria media (chickweed) Vitis sp. (grape) AMARANTHACEAE (pigweed family) POACEAE (grass family) unidentifiable seed coat fragment presence/absence of non-carbonized seeds (Phase II analysi yes yes no no yes 1 OTHER PLANT REMAINS (total count) 3 2 4 2 total weight (grams) 0.03 0.02 0.01 0.03 0.01 amorphous carbon 4 1 monocot stem coniferous bud fragment unidentifiable rind fragment unidentifiable plant part 3 2 1 1

unidentifiable spherical specimen

Catalog #		184	182	186	185	201
WOOD CHARCOAL	(total count)	16	71	5	24	9
	total weight (grams)	0.06	0.25	0.07	0.84	0.08
Acer sp. (maple)			3			
Acer/Betula (maple/birch)						
Carya sp. (hickory)				1	14	1
Castanea dentata (American ch	estnut)					
Cornus florida (flowering dogwo	od)					
Fraxinus sp. (ash)						
llex opaca (american holly)						
Juglans nigra (black walnut)						
Liriodendron tulipifera (tulip popl	lar)					
Pinus sp. (so. pine group)						
Quercus sp. (white group)			13	2		2
Quercus sp. (red group)						
Quercus sp. (unspecified)					2	5
ring porous		3	1		3	1
coniferous taxa						
deciduous taxa		2	3			
unidentifiable		11		2	1	
total identified fragments		16	20	5	20	9
NUT REMAINS	(total count)	4	18	0	0	0
total w	eight (grams)	0.05	0.2	0	0	0
Quercus sp. (acorn)	2 .2 /		2			
Carya sp. (thick-walled hickory)		4	16			
SEED REMAINS	(total count)	0	6	0	0	0
	total weight (grams)	0	0.07	0	0	0
unidentifiable seed						
unidentifiable large seed			6			
possible Nelumbo lutea (America	an lotus) frag					
non-carbonized SEED REMAINS	S (total count)					
	total weight (grams)					
Amaranthus sp. (pigweed)						
Ambrosia artemisiifolia (commor	n ragweed)					
Euphorbia sp. (spurge)						
Mollugo verticillata (carpetweed))					
Oxalis stricta (wood sorrel)						
Polygonum pensylvanicum (kno	tweed) entire					
	fragment					
Polygonum sp. (knotweed)	-					
Solanum rostratum (buffalobur)						
Stellaria media (chickweed)						
Vitis sp. (grape)						
AMARANTHACEAE (piqweed fa	amily)					
POACEAE (grass family)	• /					
unidentifiable seed coat fragmer	nt					
presence/absence of non-carbo	nized seeds (Phase II analysi	ves	ves	no	no	no
OTHER PLANT REMAINS	(total count)	0	0	6	1	11
	total weight (grams)	0	0	0.04	0.01	0.1
amorphous carbon				4		
monocot stem						
coniferous bud fragment						
unidentifiable rind fragment				2		11
unidentifiable plant part				-		
unidentifiable spherical specime	n				1	

Catalog #		98/2/1308	98/2/1301	98/2/1303	98/2/1320	98/2/1094
WOOD CHARCOAL	(total count)	22	20	35	11	8
	total weight (grams)	0.18	0.19	0.14	0.07	0.05
Acer sp. (maple)			4			
Acer/Betula (maple/birch)						
Carya sp. (hickory)		7	1			
Castanea dentata (American	chestnut)	1		1		
Cornus florida (flowering dogv	wood)					
Fraxinus sp. (ash)						
llex opaca (american holly)			1			
Juglans nigra (black walnut)						
Liriodendron tulipifera (tulip po	oplar)			2		
Pinus sp. (so. pine group)			1			
Quercus sp. (white group)			2	3	5	
Quercus sp. (red group)						
Quercus sp. (unspecified)				1		
ring porous		1		6	6	
coniferous taxa						
deciduous taxa		4	6	2		2
unidentifiable		7	5	5		6
total identified fragments		20	20	20	11	8
NUT REMAINS	(total count)	1	1	0	0	0
tota	l weight (grams)	0.03	0.01	0	0	0
Quercus sp. (acorn)						
Carya sp. (thick-walled hickor	y)	1	1			
SEED REMAINS	(total count)					
	total weight (grams)					
unidentifiable seed						
unidentifiable large seed						
possible Nelumbo lutea (Ame	rican lotus) frag					
non-carbonized SEED REMA	INS (total count)	1	13	1	0	1
	total weight (grams)	<0.01	0.01	<0.01	0	<0.01
Amaranthus sp. (pigweed)						1
Ambrosia artemisiifolia (comn	non ragweed)					
Euphorbia sp. (spurge)						
Mollugo verticillata (carpetwee	ed)		3			
Oxalis stricta (wood sorrel)			1			
Polygonum pensylvanicum (k	notweed) entire					
	fragment					
Polygonum sp. (knotweed)	5			1		
Solanum rostratum (buffalobu	ır)					
Stellaria media (chickweed)	,					
Vitis sp. (grape)						
AMARANTHACEAE (pigweed	d familv)	1	9			
POACEAE (grass family)						
unidentifiable seed coat fragm	nent					
presence/absence of non-carl	bonized seeds (Phase II analysi					
OTHER PLANT REMAINS	(total count)	0	6	5	1	4
	total weight (grams)	0	0.03	0.04	0.01	0.02
amorphous carbon		-	6	5	1	2
monocot stem			-	-		_
coniferous bud fraament						
unidentifiable rind fragment						2
unidentifiable plant part						-
unidentifiable spherical specir	nen					

Catalog #		98/2/1101	98/2/116	98/2/1084	98/2/1126	98/2/1133
WOOD CHARCOAL	(total count)	6	5	26	5	207
	total weight (grams)	0.04	0.02	0.13	0.03	1.6
Acer sp. (maple)						2
Acer/Betula (maple/birch)			1			
Carya sp. (hickory)						2
Castanea dentata (American che	estnut)					
Cornus florida (flowering dogwod	od)					
Fraxinus sp. (ash)	,					
llex opaca (american holly)						
Juglans nigra (black walnut)						
Liriodendron tulipifera (tulip popla	ar)					
Pinus sp. (so. pine group)						
Quercus sp. (white aroup)						5
Quercus sp. (red group)			2			-
Quercus sp. (unspecified)				6		4
ring porous				4		1
coniferous taxa						
deciduous taxa		6	1	8	3	3
unidentifiable		0	1	2	2	3
total identified fragments		6	5	20	5	20
total lacitatica hagilionito		0	0	20	0	20
NUT REMAINS	(total count)	0	0	1	0	0
total we	aight (grams)	0	0	0.01	0	0
Quercus sp. (acorn)	signi (grains)	0	0	0.01	0	0
Carva sp. (thick-walled hickory)				1		
SEED REMAINS	(total count)			I		
SEED REMAINS	total weight (grams)					
unidentifiable seed	total weight (granis)					
unidentifiable large seed						
possible Nelumbo luteo (America	an lotus) frag					
possible Neidinbo Idlea (America	(total count)	0	0	11	5	0
non-carbonized SEED REMAINS	total weight (grome)	0	0	0.01	0.01	0
Amoranthus an (nigwood)	total weight (grains)	0	0	0.01	0.01	0
Ambrosio ortomisiifolio (common	rogwood			I		
	Tagweeu)			1		
Euphorbia sp. (spurge)				I 0		
				0	4	
Oxalis stricta (wood sorrei)					1	
Polygonum pensylvanicum (knot	weed) entire				1	
	tragment				.1	
Polygonum sp. (knotweed)						
Stellaria media (chickweed)						
Vitis sp. (grape)	")				1	
AMARAN I HACEAE (pigweed fa	mily)					
POACEAE (grass family)				1		
unidentifiable seed coat fragmen	t .				1	
presence/absence of non-carbon	ized seeds (Phase II analysi					
OTHER PLANT REMAINS	(total count)	1	1	4	1	3
	total weight (grams)	0.01	<0.01	0.02	0.01	0.03
amorphous carbon			1	4	1	3
monocot stem		1				
coniferous bud fragment						
unidentifiable rind fragment						
unidentifiable plant part						
unidentifiable spherical specimer	1					
Flotation Recovered Plant Remains from Feature Contexts, Locus 1, Puncheon Run Site (7K-C-51)

Catalog #		98/2/1134	98/2/1062	98/2/1092	98/2/1054	98/2/1145
WOOD CHARCOAL	(total count)	35	15	7	18	29
	total weight (grams)	0.33	0.11	0.04	0.13	0.16
Acer sp. (maple)						
Acer/Betula (maple/birch)						
Carya sp. (hickory)		3			5	
Castanea dentata (American che	estnut)					
Cornus florida (flowering dogwoo	nd)	1				
Fraxinus sp. (ash)	,				2	
llex opaca (american hollv)		2				
Juglans nigra (black walnut)					2	
Liriodendron tulipifera (tulip popla	ar)					
Pinus sp. (so, pine group)						
Quercus sp. (white aroup)		8		7		18
Quercus sp. (red group)		Ŭ				10
Quercus sp. (unspecified)					2	
ring porous			2		2	
		1	2			
		I	12		7	2
		5	13		1	2
		C C	45	7	40	00
total identified fragments		20	15	1	18	20
	(total accust)	0	0	0	0	4
NUT REMAINS		0	0	0	0	1
	eigni (grams)	0	0	0	0	0.01
Quercus sp. (acorn)						
Carya sp. (trick-walled nickory)	(total acust)					1
SEED REMAINS	(total count)					
	total weight (grams)					
	a later (face a					
possible Nelumbo lutea (America	in lotus) frag					
non-carbonized SEED REMAINS		3	34	3	3	28
	total weight (grams)	<0.01	0.01	<0.01	<0.01	0.01
Amaranthus sp. (pigweed)						
Ambrosia artemisiifolia (common	ragweed)				1	
Euphorbia sp. (spurge)			2			2
Mollugo verticillata (carpetweed)		2	30	3	1	21
Oxalis stricta (wood sorrel)			1		1	4
Polygonum pensylvanicum (knot	weed) entire					
	fragment					
Polygonum sp. (knotweed)						
Solanum rostratum (buffalobur)						
Stellaria media (chickweed)			1			1
Vitis sp. (grape)						
AMARANTHACEAE (pigweed fa	mily)	1				
POACEAE (grass family)						
unidentifiable seed coat fragment	t					
presence/absence of non-carbon	ized seeds (Phase II analysi					
OTHER PLANT REMAINS	(total count)	1	12	2	2	10
	total weight (grams)	<0.01	0.07	0.01	0.01	0.07
amorphous carbon		1	12	2	2	10
monocot stem						
coniferous bud fragment						
unidentifiable rind fragment						
unidentifiable plant part						
unidentifiable spherical specimen	1					

Flotation Recovered Plant Remains from Feature Contexts, Locus 1, Puncheon Run Site (7K-C-51)

Catalog #		98/2/868	98/2/1072	98/2/898	98/2/869	98/2/1341
WOOD CHARCOAL	(total count)	109	65	8	0	3
	total weight (grams)	0.97	0.45	0.05	0	0.02
Acer sp. (maple)						
Acer/Betula (maple/birch)		3				
Carya sp. (hickory)			5			
Castanea dentata (American che	estnut)					
Cornus florida (flowering dogwoo	od)					
Fraxinus sp. (ash)	,					
llex opaca (american holly)		1	2			
Jualans niara (black walnut)						
Liriodendron tulipifera (tulip popla	ar)					
Pinus sp. (so. pine group)	,					
Quercus sp. (white aroup)						
Quercus sp. (red group)						
Quercus sp. (unspecified)		5				
ring porous		-		6		
coniferous taxa				-		
deciduous taxa		6	7	2		3
unidentifiable		5	6	-		Ŭ
total identified fragments		20	20	8	0	3
total lacitation haginerite		20	20	0	0	0
	(total count)	0	0	0	0	0
total we	eight (grams)	0	0	0	0	0
Quercus sp. (acorn)	cigin (grams)	0	0	0	0	0
Carva sp. (thick-walled hickory)						
SEED REMAINS	(total count)		1			
	(initial count)		0.01			
unidentifiable seed	total weight (grams)		0.01			
unidentifiable large seed						
possible Nelumbo luteo (America	an lotus) frag		1			
possible Neidinbo Idlea (America	(total count)	5	10	0	1	1
non-carbonized SEED REMAINS	total woight (grame)	-0.01	0.01	0	-0.01	-0.01
Amoranthus an (nigwood)	total weight (grains)	<0.01	0.01	0	<0.01	<0.01
Ambrosis ortomisiifolis (common	(required)					
	rayweeu)	2				1
Adura verticillate (correctiveed)		2	0			I
		2	9			
Oxalis stricta (wood sorrei)	hunnel) entine		2			
Polygonum pensylvanicum (knot	weed) entire					
	tragment					
Polygonum sp. (knotweed)						
					1	
Stellaria media (chickweed)						
Vitis sp. (grape)	")					
AMARAN I HACEAE (pigweed fa	imily)		8			
POACEAE (grass family)		1				
unidentifiable seed coat fragmen	t					
presence/absence of non-carbon	nized seeds (Phase II analysi					
OTHER PLANT REMAINS	(total count)	11	8	4	0	0
	total weight (grams)	0.1	0.06	0.02	0	0
amorphous carbon		10	7	4		
monocot stem						
coniferous bud fragment		1				
unidentifiable rind fragment						
unidentifiable plant part						
unidentifiable spherical specimer	า					

Flotation Recovered Plant Remains from Feature Contexts, Locus 1, Puncheon Run Site (7K-C-51)

Catalog #		98/2/1342	TOTALS
WOOD CHARCOAL	(total count)	2	1078
	total weight (grams)	<0.01	8.58
Acer sp. (maple)			9
Acer/Betula (maple/birch)			6
Carya sp. (hickory)			59
Castanea dentata (American che	estnut)		2
Cornus florida (flowering dogwoo	d)		1
Fraxinus sp. (ash)			2
llex opaca (american holly)			6
Juglans nigra (black walnut)			2
Liriodendron tulipifera (tulip popla	ar)		2
Pinus sp. (so. pine group)			1
Quercus sp. (white group)			82
Quercus sp. (red group)			3
Quercus sp. (unspecified)			37
ring porous			43
coniferous taxa			1
deciduous taxa			93
unidentifiable		2	69
total identified fragments		2	418
NUT REMAINS	(total count)	8	42
total we	eight (grams)	0.06	0.45
Quercus sp. (acorn)			2
Carya sp. (thick-walled hickory)		8	40
SEED REMAINS	(total count)		7
	total weight (grams)		0.08
unidentifiable seed			0
unidentifiable large seed			6
possible Nelumbo lutea (America	in lotus) frag		1
non-carbonized SEED REMAINS	(total count)	1	130
	total weight (grams)	<0.01	0.06
Amaranthus sp. (pigweed)			2
Ambrosia artemisiifolia (common	ragweed)		1
Euphorbia sp. (spurge)	o ,		8
Mollugo verticillata (carpetweed)		1	80
Oxalis stricta (wood sorrel)			10
Polygonum pensylvanicum (knot	weed) entire		1
	fragment		1
Polvaonum sp. (knotweed)			1
Solanum rostratum (buffalobur)			1
Stellaria media (chickweed)			2
Vitis sp. (grape)			- 1
AMARANTHACEAE (pigweed fa	milv)		19
POACEAE (grass family)	,		2
unidentifiable seed coat fragment	ł		- 1
presence/absence of non-carbon	ized seeds (Phase II analysi		5 of 10
	(total count)	0	106
	total weight (grame)	0	0.76
amorphous carbon	total weight (grains)	0	0.70
monocost stom			00
			1
			1
			15 -
			1
unidentinable spherical specimen	1		1

ATTACHMENT B

MACROFLORAL INVENTORY - LOCUS 2

Catalog # Block Unit Strata Level Feature Feature Strata		52 20 1 A	53 20 247 B ext. feature 1	54 18 218 C	55 18 218 B	TOTALS 4 samples
Feature Level Soil Sample Volume (liters))	2	2	2	2	8
Total Charcoal Weight (gra	ims)	0.17	0	0	0.23	0.4
WOOD CHARCOAL Acer sp. (maple)	(total count) total weight (grams)	14 0.08	0 0	0 0	10 0.06	24 0.14 0
Carya sp. (hickory) Ilex opaca (american holly, Quercus sp. (red group) Quercus sp. (white group)	13				0 0 0 13	
Quercus sp. (white group) Quercus sp. (unspecified) ring porous deciduous taxa		13			5	5 0 0
unidentifiable		1	0	0	5	6
		14	0	0	10	24
NUT REMAINS	(total count) otal weight (grams)	1 0.02	0 0	0 0	9 0.13	10 0.15
Quercus sp. (acorn) Carya sp. (thick-walled hick	kory)	1			9	0 10
SEED REMAINS	(total count) total weight (grams)	0 0	0 0	0 0	0 0	0
unidentifiable seed unidentifiable large seed	sent	Ves	Ves	no	no	0 0 2 of 4
		yee	you	110	110	2011
OTHER PLANT REMAINS	(total count) total weight (grams)	7 0.07	0 0	0 0	3 0.04	10 0.11
amorphous carbon unidentifiable rind fragmen unidentifiable plant part	6			3	9 0 0	
monocot stem	cimen	_1				1

Flotation Recovered Plant Remains, Locus 2, Puncheon Run Site (7K-C-51)

ATTACHMENT C

MACROFLORAL INVENTORY - LOCUS 3

Hand Collected Plant Remains, Locus 3, Puncheon Run Site (7K-C-51)

Cat #		98/2/193	97/55/463	98/2/1267	98/2/200	TOTALS
Locus		3	3	3	3	4 samples
Unit			164	464	320	
Strat			В			
Level			3			
Feature		30		37	30	
Feature Strat		А		В	А	
Feature Level		3		3		
Feature Quadrant						
Total Charcoal Weight (grar	ms)	0.43	<0.01	0.44	0.48	1.35
WOOD CHARCOAL	(total count)				12	12
to	tal weight (grams)				0.47	0.47
deciduous taxa					12	12
NUT REMAINS	(total count)	5		5		10
total v	veight (grams)	0.43		0.44		0.87
Carya sp. (thick-walled hick	ory)	5		5		10
non-carbonized SEED REM	IAINS (total count)		1		8	9
to	tal weight (grams)		<0.01		0.01	0.01
Phytolacca americana (pok	e)		1		8	9

Catalog # Block	169 4	178 4	179 4	206 4	207 4	208 4
Unit	120	122	122	126	126	126
Strata, Level	0			.20	.20	.20
Feature	1A	1B	1B	25	25	25
Feature Strata	А	А	В	A	A	A
Feature Level	1	1	2	1	2	3
Column	1,1	3,1	3,2	7,1	7,2	7,3
Soil Sample Volume (liters)	2	2	2	2	2	2
Total Charcoal Weight (grams)	0.22	2.51	1.3	0.47	0.64	0.49
WOOD CHARCOAL (total count)	31	140	139	43	46	42
total weight (grams)	0.17	2.19	1.24	0.44	0.52	0.39
Acer sp. (maple)						
Carya sp. (hickory)				5		6
Castanea dentata (american chestnut)					_	
Diospyros virginiana (persimmon)					5	
Jugians nigra (black wainut)				2	2	
Liquidambar styracilida (sweetgum)				3	2	
Morus rubra (red mulberni)						1
Pinus sp. (so, pine group)						1
Quercus sp. (white group)	12	20	12	1	6	3
Quercus sp. (red aroun)	3	20	12		Ū	0
Quercus sp. (unspecified)	Ũ					
Robinia pseudoacacia (black locust)						
Sassafras albidum (sassafras)						2
diffuse porous						-
ring porous				1	Б	
				4	5	
deciduous taxa				4	5	5
deciduous taxa unidentifiable	5		8	4 2 5	2	5 3
deciduous taxa unidentifiable total identified fragments	5 20	20	8 20	4 2 5 20	2 20	5 3 20
deciduous taxa unidentifiable total identified fragments	5 20	20	8 20	4 2 5 20	2 20	5 3 20
Image porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count)	5 20 0	<u>20</u> 0	8 20 1	4 2 5 20	2 20 3	5 3 20 8
Image porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams)	5 20 0 0	20 0 0	8 20 1 0.02	4 2 5 20 1 0.02	2 20 3 0.03	5 3 20 8 0.09
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory</i>)	5 20 0 0	20 0 0	8 20 1 0.02 1	4 2 5 20 1 0.02 1	2 20 3 0.03 3	5 3 20 8 0.09 8
Image porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) certeorized certeorized certeorized certeorized certeorized certeorized	5 20 0 0	20 0 0	8 20 1 0.02 1	4 2 5 20 1 0.02 1	2 20 3 0.03 3	5 3 20 8 0.09 8
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams)	5 20 0 0 3	20 0 0	8 20 1 0.02 1	4 2 5 20 1 0.02 1	2 20 3 0.03 3 1	5 3 20 8 0.09 8 2 2
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) total weight (grams)	5 20 0 0 0 2 3 <0.01	20 0 0 3 <0.01	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 (0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Changedium sp. (copserfeat)	5 20 0 0 0 3 <0.01	20 0 0 3 <0.01	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 -1 <0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (noke)	5 20 0 0 0 3 <0.01 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polyogonum sp. (knotweed)	5 20 0 0 0 3 <0.01 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock)	5 20 0 0 0 3 <0.01 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> carbonized SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i> <i>Stellaria media (chickweed)</i>	5 20 0 0 0 3 <0.01 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE	5 20 0 0 0 3 <0.01 1 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment	5 20 0 0 0 2 1 3 <0.01 1 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> carbonized SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i> <i>Stellaria media (chickweed)</i> <i>GRAMINEAE</i> <i>Unidentifiable seed fragment</i> <i>Unidentifiable eroded seed</i>	5 20 0 0 0 1 <0.01 1 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 -0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	5 20 0 0 0 1 <0.01 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 -0.01	5 3 20 8 0.09 8 2 <0.01
Initig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	5 20 0 0 0 3 <0.01 1 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count)	5 20 0 0 0 1 1 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed SEED REMAINS (total count) total weight (grams)	5 20 0 0 0 1 1 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01
Imig porous deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed)	5 20 0 0 0 1 4 1 1 1	20 0 0 3 <0.01 3	8 20 1 0.02 1 0 0	4 2 5 20 1 0.02 1 0 0	2 20 3 0.03 3 1 <0.01	5 3 20 8 0.09 8 2 <0.01

Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed) Myrica sp. (bayberry) ? Oxalis stricta (wood sorrel) Panicum sp. (panic grass)

Flotation Recovered Plant Remains from Feature Contexts, Locus 3, Puncheon Run Site (7K-C-51	-lotatior	Recovered Plar	nt Remains from	Feature Contexts,	Locus 3,	Puncheon Ru	n Site	(7K-C-51)
----------------------------------------------------------------------------------------------	-----------	----------------	-----------------	-------------------	----------	-------------	--------	----------	---

Catalog #				169		178		179		206	20	7	208
Block				4		4		4		4		4	4
Unit				120		122		122		126	12	6	126
Strata, Level													
Feature				1A		1B		1B		25	2	5	25
Feature Strata				Α		Α		В		Α		Ą	А
Feature Level				1		1		2		1		2	3
Column				1,1		3,1		3,2		7,1	7,	2	7,3
Soil Sample Volume (liters)				2		2		2		2		2	2
Total Charcoal Weight (gram	ıs)			0.22		2.51		1.3		0.47	0.6	4	0.49
Phytolacca americana (poke)												
Polygonum sp. (knotweed)		entire											
		frags											
Prunus serotina (black cherr	y)	entire											
		frags											
Rubus sp. (blackberry/raspb	errv)	· ·											
Stellaria media (chickweed)													
Trifolium sp. (clover)													
Vicia sp. (vetch)													
AMARANTHACEAE (pigwee	ed familv)												
LEGUMINOSAE (bean famil	lv)												
POACEAE (grass family)													
presence/absence (Phase II	anlavsis)		ves		ves		ves		ves		no	ves	
]]]]				
OTHER PLANT REMAINS	(total	count)		5		26		5		4		8	1
	total weight	(grams)		0.05		0.32		0.04		0.01	0.0	9	0.01
Amorphous carbon	Ū			5		26		5		2		6	1
Unidentifiable rind fragment												1	
Unidentifiable bud fragment													
Unidentifiable charcoal													
Fungal fructification													
Woody bud fragment										2			
Hull fragment													
Peduncle fragment												1	

Catalog #	209 4	210	211	226	227	233
	126	126	126	131	131	131
Strata Level	120	120	120	151	131	151
Feature	25	25	25	24	24	24
Feature Strata	<u>20</u> B	B	B	A	_ 1 _ A	2 I A
Feature Level	4	5	6	1	2	3
Column	7.4	7.5	7.6	12.1	12.2	12.3
Soil Sample Volume (liters)	2	2	2	2	2	,0
Total Charcoal Weight (grams)	0.48	0.13	0.04	0.05	0.02	0.09
WOOD CHARCOAL (total count)	35	11	2	6	3	12
total weight (grams)	0.3	0.08	0.03	0.03	0.02	0.08
Acer sp. (maple)	0.0	0.00	0.00	0.00	0.02	0.00
Carva sp. (hickory)	5	1	1			
Castanea dentata (american chestnut)	Ū.					
Diospyros virginiana (persimmon)						
Judans nigra (black walnut)						
Liquidambar styraciflua (sweetqum)			1	1		
Liriodendron tulinifera (tulin nonlar)						
Morus ruhra (red mulberry)						
Dinus sp. (so. pino group)						
Pinus sp. (so. pine group)	F			1		1
Quercus sp. (write group)	5			I		I
Quercus sp. (rea group)		0				
Quercus sp. (unspecified)		2				
Robinia pseudoacacia (black locust)						
Sassafras albidum (sassafras)						
diffuse porous						
ring porous	-	_				
deciduous taxa	3	5			3	4
unidentifiable	7	3		4		7
total identified fragments	20	11	2	6	3	12
	40	0	0	0	0	0
NUT REMAINS (total count)	12	9	0	2	0	0
NUT REMAINS (total count) total weight (grams)	12 0.18	9 0.04	0 0	2 0.02	0 0	0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory)	12 0.18 12	9 0.04 9	0 0	2 0.02 2	0 0	0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory)	12 0.18 12	9 0.04 9	0 0	2 0.02 2	0 0	0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count)	12 0.18 12 0	9 0.04 9 0	0 0 0	2 0.02 2 12	0 0	0 0 0
NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> carbonized SEED REMAINS (total count) total weight (grams)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0 0	2 0.02 2 12 <0.01	0 0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01	0 0 0 0	0 0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Duttel laces a marriages (note)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0 0	0 0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0 0	0 0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12		0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12		0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed)	12 0.18 12 0 0	9 0.04 9 0 0	0 0 0	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags	12 0.18 12 0 0	9 0.04 9 0 0	0000	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox)	12 0.18 12 0 0	9 0.04 9 0 0	0000	2 0.02 2 12 <0.01 12	0 0 0	0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge)	12 0.18 12 0 0	9 0.04 9 0 0	0000	2 0.02 2 12 <0.01 12		0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry)	12 0.18 12 0 0	9 0.04 9 0 0	0000	2 0.02 2 12 <0.01 12		0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed)	12 0.18 12 0 0	9 0.04 9 0 0		2 0.02 2 12 <0.01 12		0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed) Myrica sp. (bayberry) ? Octoberticited condition	12 0.18 12 0 0	9 0.04 9 0 0	0000	2 0.02 2 (0.01 12		0 0 0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed) Myrica sp. (bayberry) ? Oxalis stricta (wood sorrel)	12 0.18 12 0 0	9 0.04 9 0 0		2 0.02 2 (0.01 12		000000000000000000000000000000000000000

Flotation Recovered	Plant Remains	from Feature	Contexts, Locus 3	, Puncheon Ru	in Site (7K-	-C-51)	
			,		,		

Catalog #			209	210	211	226	227	233
Block			4	4	4	4	4	4
Unit			126	126	126	131	131	131
Strata, Level								
Feature			25	25	25	24	24	24
Feature Strata			В	В	В	А	А	А
Feature Level			4	5	6	1	2	3
Column			7,4	7.5	7,6	12,1	12,2	12,3
Soil Sample Volume (liters)			2	2	2	2	2	2
Total Charcoal Weight (gram	s)		0.48	0.13	0.04	0.05	0.02	0.09
Phytolacca americana (poke)) ´							
Polvaonum sp. (knotweed)		entire						
, , , , , , , , , , , , , , , , , , ,		fraas						
Prunus serotina (black cherry	()	entire						
	/	fraas						
Rubus sp. (blackberrv/raspbe	errv)	Ũ						
Stellaria media (chickweed)								
Trifolium sp. (clover)								
Vicia sp. (vetch)								
AMARANTHACEAE (pigwee	d familv)							
LEGUMINOSAE (bean family	/)							
POACEAE (grass family)								
presence/absence (Phase II)	anlavsis)	r	no	ves	no	ves	ves	ves
	a			<u>j</u> e e		<i>j</i> c c]00]00
OTHER PLANT REMAINS	(total	count)	0	3	1	1	0	3
	total weight	(grams)	0	0.01	0.01	<0.01	0	0.01
Amorphous carbon	i i i i i i gi i	(3	-	3	1		-	1
Unidentifiable rind fragment				-				
Unidentifiable bud fragment								
Unidentifiable charcoal								
Fungal fructification								1
Woody bud fragment								•
Hull fragment						1		1
Peduncle fragment						·		•

		283	295	300	305	307	308
Block		4	4	4	4	4	4
Unit		131	131	131	131	119	119
Strata, Level					C,9		
Feature		24	24	24	24	2	2
Feature Strata		A	А	А	А		
Feature Level		4	5	6	7		
Column		12,4	12,5	12,6	12,7	15,1	15,2
Soil Sample Volume (lite	ers)	2	2	2	2	2	2
Total Charcoal Weight (g	grams)	0.03	0	0	0	2.73	0.65
WOOD CHARCOAL	(total count)	4	0	0	0	322	67
	total weight (grams)	0.03	0	0	0	2.63	0.65
Acer sp. (maple)							
Carya sp. (hickory)							
Castanea dentata (amer	rican chestnut)						
Diospyros virginiana (pe	ersimmon)						
Juglans nigra (black wal	nut)						
Liquidambar styraciflua	(sweetgum)					5	5
Liriodendron tulipifera (t	ulip poplar)						
Morus rubra (red mulber	rry)						
Pinus sp. (so. pine group	o)						
Quercus sp. (white grou	p)						
Quercus sp. (red group)							
Quercus sp. (unspecified	d)					5	10
Robinia pseudoacacia (l	black locust)						
Sassafras albidum (sass	safras)						
diffuse porous							
ring porous						5	
deciduous taxa		2				5	
unidentifiable		2					5
total identified fragments	6	4	0	0	0	20	20
NUT REMAINS	(total count)	0	0	0	0	2	0
NUT REMAINS	(total count) total weight (grams)	0 0	0 0	0 0	0 0	2 0.04	0 0
NUT REMAINS Carya sp. (thick-walled h	(total count) total weight (grams) hickory)	0 0	0 0	0 0	0 0	2 0.04 2	0 0
NUT REMAINS <u>Carya sp. (thick-walled I</u>	(total count) total weight (grams) hickory)	0	0 0	0	0 0	2 0.04 2	0
NUT REMAINS Carya sp. (thick-walled f carbonized SEED REM	(total count) total weight (grams) hickory) AINS (total count)	0 0	0	0	0 0	2 0.04 2	0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM	(total count) total weight (grams) hickory) AINS (total count) total weight (grams)	0 0 1 <0.01	0 0 0 0	0 0 0 0	0 0 0 0	2 0.04 2 11 0.01	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp	(total count) total weight (grams) hickory) AINS (total count) total weight (grams) perleaf)	0 0 1 <0.01	0 0 0 0	0 0 0 0	0 0 0 0	2 0.04 2 11 0.01	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos	(total count) total weight (grams) hickory) AINS (total count) total weight (grams) perleaf) efoot)	0 0 1 <0.01 1	0 0 0 0	0 0 0 0	0 0 0 0	2 0.04 2 11 0.01 4	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p	(total count) total weight (grams) hickory) AINS (total count) total weight (grams) berleaf) efoot) boke)	0 0 1 <0.01 1	0 0 0 0	0 0 0 0	0 0 0 0	2 0.04 2 11 0.01 4	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee	(total count) total weight (grams) hickory) AINS (total count) total weight (grams) berleaf) efoot) booke) ed)	0 0 1 <0.01 1	0 0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock)	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) pooke) ed)	0 0 1 <0.01 1	0 0 0 0	0 0 0 0	0 0 0 0	2 0.04 2 11 0.01 4	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) pooke) ed)	0 0 1 <0.01 1	0 0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4	0 0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed)	0 0 1 <0.01 1	0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment	0 0 1 <0.01 1	0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (f Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable eroded se	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment eed	0 0 <0.01 1	0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (µ Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragu Unidentifiable eroded see Unknown seed	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment eed	0 0 <0.01 1	0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (µ Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragu Unidentifiable eroded se Unknown seed	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) eed) ment eed	0 0 1 <0.01 1	0 0 0	0 0 0	0 0 0	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (µ Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragu Unidentifiable eroded se Unknown seed non-carbonized SEED R	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) pooke) ed) ment eed REMAINS (total count)	0 0 1 <0.01 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragu Unidentifiable eroded see Unidentifiable eroded see Unknown seed	(total count) total weight (grams) <u>hickory</u>) AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment eed REMAINS (total count) total weight (grams)	0 0 1 <0.01 1	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (µ Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragu Unidentifiable eroded see Unidentifiable eroded see Unidentifiable eroded see Unidentifiable seed fragu Unidentifiable seed	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) pooke) ed) ment eed EMAINS (total count) total weight (grams) ed) entire	0 0 1 <0.01 1	0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragi Unidentifiable eroded se Unidentifiable eroded se Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment eed EMAINS (total count) total weight (grams) ed) entire frags	0 0 1 <0.01 1	0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (f Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable eroded see Unidentifiable eroded see Unidentifiable eroded see Unidentifiable seed frage Unidentifiable see Unidentifiable see Unidentifiab	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment ed REMAINS (total count) total weight (grams) ed) entire frags lebox)	0 0 1 <0.01 1	0 0 0 0	0 0 0	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	000000000000000000000000000000000000000
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (f Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable eroded se Unidentifiable eroded se Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee Crotolaria sagittalis (ratta Euphorbia sp. (spurge)	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment ed REMAINS (total count) total weight (grams) ed) entire frags lebox)	0 0 1 <0.01 1	0 0 0 0 0	0 0 0	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	0 0 0
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (µ Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragu Unidentifiable eroded se Unidentifiable eroded se Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee Crotolaria sagittalis (rattu Euphorbia sp. (spurge) Frageria sp. (strawberry)	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment eed REMAINS (total count) total weight (grams) ed) <u>entire</u> frags lebox)	0 0 <0.01 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	000000000000000000000000000000000000000
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (f Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable seed frage Net see (State See See See See See See See See See S	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment eed REMAINS (total count) total weight (grams) ed) entire frags lebox)	0 0 <0.01 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	000000000000000000000000000000000000000
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (f Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Crotolaria sagittalis (ratti Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carp Myrica sp. (bayberry) ?	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment ed REMAINS (total count) total weight (grams) ed) entire frags lebox)	0 0 <0.01 1	0 0 0 0 0	0000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	000000000000000000000000000000000000000
NUT REMAINS <u>Carya sp. (thick-walled f</u> carbonized SEED REM Acalypha virginica (copp Chenopodium sp. (goos Phytolacca americana (f Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Unidentifiable seed frage Crotolaria sagittalis (ratti Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carp Myrica sp. (bayberry) ? Oxalis stricta (wood sorr	(total count) total weight (grams) <u>hickory)</u> AINS (total count) total weight (grams) perleaf) efoot) poke) ed) ment ed EMAINS (total count) total weight (grams) ed) entire frags lebox)) petweed) rel)	0 0 <0.01 1	0000	0000	000000000000000000000000000000000000000	2 0.04 2 11 0.01 4 1 6	000000000000000000000000000000000000000

Flotation Recovered Plant Remains from Feature Contexts	s Locus 3 Puncheon Run Site (7K-C-51)
Tiotation recovered Fiant remains from Feature Contexts	

Catalog #				283		295	30	0	305	307	308
Block				4		4		4	4	4	4
Unit				131		131	13	1	131	119	119
Strata, Level									C,9		
Feature				24		24	2	4	24	2	2
Feature Strata				Α		Α		Ą	А		
Feature Level				4		5		6	7		
Column				12,4		12,5	12,	6	12,7	15,1	15,2
Soil Sample Volume (liters)				2		2		2	2	2	2
Total Charcoal Weight (gram	ıs)			0.03		0		0	0	2.73	0.65
Phytolacca americana (poke)										
Polygonum sp. (knotweed)		entire									
		frags									
Prunus serotina (black cherr	y)	entire									
		frags									
Rubus sp. (blackberry/raspb	erry)	-									
Stellaria media (chickweed)	• ·										
Trifolium sp. (clover)											
Vicia sp. (vetch)											
AMARANTHACEAE (pigwee	ed family)										
LEGUMINOSAE (bean famil	y)										
POACEAE (grass family)											
presence/absence (Phase II	anlaysis)		yes		yes		yes	no	no		yes
OTHER PLANT REMAINS	(total	count)		0		0		0	0	6	0
	total weight	(grams)		0		0		0	0	0.05	0
Amorphous carbon										6	
Unidentifiable rind fragment											
Unidentifiable bud fragment											
Unidentifiable charcoal											
Fungal fructification											
Woody bud fragment											
Hull fragment											
Peduncle fragment											

Catalog # Block	309 4	310 4	311 4	289 4	290 4	382 1
Unit Strata Level	119	119	119			146 B 2
Feature	2	2	2	1A,A,ALL	1B,B,ALL	8
Feature Strata						
Feature Level	15 3	15.4	15 5	west 1/2	west 1/2	
Soil Sample Volume (liters)	2	2	2	2	2	2
Total Charcoal Weight (grams)	0.14	0.4	0.09	0.87	3.66	0.46
WOOD CHARCOAL (total count)	11	28	10	122	405	4
total weight (grams)	0.14	0.4	0.09	0.8	3.18	0.46
Acer sp. (maple) Canva sp. (hickory)	1					
Castanea dentata (american chestnut)						
Diospyros virginiana (persimmon)						
Juglans nigra (black walnut)						
Liquidambar styraciflua (sweetgum)		9				1
Liriodendron tulipifera (tulip poplar)						
Morus rubra (red mulberry)						4
Pinus sp. (so. pine group)				10	10	1
Quercus sp. (while group) Quercus sp. (red group)				12	10	
Quercus sp. (inspecified)		2		6		
Robinia pseudoacacia (black locust)		_	3	-		
Sassafras albidum (sassafras)						
diffuse porous						
ring porous	2	4	2	_	_	
deciduous taxa	7	5	F	2	2	0
unidentified fragments	11	20	5 10	20	20	2
total identified fragments	11	20	10	20	20	4
NUT REMAINS (total count)	0	0	0	0	0	0
total weight (grams)	0	0	0	0	0	0
carbonized SEED REMAINS (total count)	3	3	0	3	3	1
total weight (grams)	<0.01	<0.01	0	0.01	0.01	<0.01
Acalypha virginica (coppeneal) Chenopodium sp. (coosefoot)	З	1			2	
Phytolacca americana (poke)	5	I			2 1	
Polygonum sp. (knotweed)						
Rumex sp. (dock)						
Stellaria media (chickweed)						
GRAMINEAE		1		2		
Unidentifiable seed fragment						1
Unidentifiable eroded seed				1		
Onknown seed						
non-carbonized SEED REMAINS (total count)						
(grams)						
frags						
Crotolaria sagittalis (rattlebox)						
Euphorbia sp. (spurge)						
Frageria sp. (strawberry)						
Mollugo verticillata (carpetweed)						
Myrica sp. (bayberry) ?						
Panicum sn. (panic grass)						

Flotation Recovered Plant Remains from Feature Contexts, Locus 3, Puncheon Run Site (7K-C-51)

Catalog #				309		310		311	289	290		382
Block				4		4		4	2	- 4		1
Unit				119		119		119				146
Strata, Level												B,2
Feature				2		2		2	1A,A,ALL	. 1B,B,ALL		8
Feature Strata												
Feature Level												
Column				15,3		15,4		15,5	west 1/2	west 1/2		
Soil Sample Volume (liters)				2		2		2	2	2		2
Total Charcoal Weight (gram	ıs)			0.14		0.4		0.09	0.87	3.66		0.46
Phytolacca americana (poke)											
Polygonum sp. (knotweed)		entire										
		frags										
Prunus serotina (black cherr	y)	entire										
		frags										
Rubus sp. (blackberry/raspb	erry)											
Stellaria media (chickweed)												
Trifolium sp. (clover)												
Vicia sp. (vetch)												
AMARANTHACEAE (pigwee	ed family)											
LEGUMINOSAE (bean famil	y)											
POACEAE (grass family)												
presence/absence (Phase II	anlaysis)		no		no		no		yes	yes	yes	
OTHER PLANT REMAINS	(total	count)		0		1		1	7	58		0
	total weight	(grams)		0		<0.01	•	<0.01	0.06	0.47		0
Amorphous carbon						1		1	7	56		
Unidentifiable rind fragment												
Unidentifiable bud fragment												
Unidentifiable charcoal										2		
Fungal fructification												
Woody bud fragment												
Hull fragment												
Peduncle fragment												

Flotation Recovered Plant Remains from Feature Contexts, Locus 3, Puncheon Run Site (7K-C-51)

Flotation Recovered Plant Remains from Feature Contexts, Locus 3, Puncheon Run Site (7K-C-51)

Catalog #		384	396	403	516	518	418
Block		1	2	3	3	3	
Unit		147	148		134	136	156
Strata, Level		B,2	B,2				
Feature		7	9	13,A,1	16A	16B	30,A,5
Feature Strata							
Feature Level							
Column			I	north 1/2			
Soil Sample Volume (lite	rs)	2	1	2	2	2	2
Total Charcoal Weight (g	irams)	0.26	0.44	0.37	0.42	0.09	0.07
WOOD CHARCOAL	(total count)	20	28	47	60	7	5
	total weight (grams)	0.24	0.4	0.35	0.42	0.09	0.04
Acer sp. (maple)							
Carya sp. (hickory)		1		3		1	
Castanea dentata (ameri	ican chestnut)				2		
Diospyros virginiana (per	rsimmon)						
Juglans nigra (black wali	nut)			1			
Liquidambar styraciflua (sweetgum)	1		8	4		
Liriodendron tulipifera (tu	ılip poplar)						
Morus rubra (red mulber	ry)						
Pinus sp. (so. pine group)						
Quercus sp. (white group	p)	8			8	3	
Quercus sp. (red group)							
Quercus sp. (unspecified	1)		1				
Robinia pseudoacacia (b	lack locust)						
Sassafras albidum (sass	afras)						
diffuse porous				2			
ring porous			3		6	1	
deciduous taxa			5				
unidentifiable		10	11	7		2	5
total identified fragments		20	20	21	20	7	5
NUT REMAINS	(total count)	0	0	0	0	0	2
NUT REMAINS	(total count) total weight (grams)	0 0	0 0	0 0	0 0	0 0	2 0.03
NUT REMAINS Carya sp. (thick-walled h	(total count) total weight (grams) <i>ickory)</i>	0 0	0 0	0 0	0 0	0 0	2 0.03 2
NUT REMAINS Carya sp. (thick-walled h	(total count) total weight (grams) <i>ickory</i>)	0 0	0 0	0 0	0 0	0 0	2 0.03 2
NUT REMAINS Carya sp. (thick-walled h carbonized SEED REMA	(total count) total weight (grams) <i>ickory)</i> AINS (total count)	0 0 2	0 0 0	0 0 6	0 0 1	0 0 1	2 0.03 2 1
NUT REMAINS Carya sp. (thick-walled h carbonized SEED REMA	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams)	0 0 2 0.01	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copp	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf)</i>	0 0 2 0.01	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copport Chenopodium sp. (goose	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) erleaf) efoot)	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf)</i> <i>efoot)</i> <i>poke)</i>	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) erleaf) efoot) boke) d)	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock)	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>boke</i>) d)	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot)</i> <i>hoke</i>) <i>id</i>)	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>boke</i>) <i>d</i>) <i>ed</i>)	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copport Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot)</i> <i>ooke)</i> <i>d</i>) <i>ed</i>) <i>nent</i>	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable eroded see	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot)</i> <i>boke</i>) <i>d</i>) <i>ed</i>) <i>ment</i> <i>ed</i>	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (coppo Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded see Unknown seed	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot)</i> <i>boke</i>) <i>d</i>) <i>ed</i>) <i>ment</i> <i>ed</i>	0 0 0.01 2	0 0 0	0 0 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable seed fragm	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>erleaf</i>)	0 0 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable seed fragm Unidentifiable seed fragm Unidentifiable seed fragm	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>erleaf</i>) <i></i>	0 0 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable seed fragm Unidentifiable eroded see Unknown seed	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>boke</i>) <i>d</i>) <i>ed</i>) <i>ment</i> <i>ed</i> EMAINS (total count) total weight (grams)	0 0 2 0.01 2	0 0 0	0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded see Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>erleaf</i>) <i></i>	0 0 2 0.01 2		0 0 6 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (coppo Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded seed Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>erleaf</i>)	0 0 0.01 2	0000	0 0 0.01	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (coppo Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable eroded seed Unknown seed non-carbonized SEED R Amaranthus sp. (pigweed Crotolaria sagittalis (rattle	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>ooke</i>) <i>d</i>) <i>ed</i>) <i>ment</i> <i>ed</i> EMAINS (total count) total weight (grams) <i>d</i>) <i>entire</i> <i>frags</i> <i>ebox</i>)	0 0 2 0.01 2		0 0 0.01 6	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed frage Unidentifiable eroded seed Unidentifiable eroded seed Innon-carbonized SEED R Amaranthus sp. (pigweed Crotolaria sagittalis (rattle Euphorbia sp. (spurge)	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>ooke</i>) <i>d</i>) <i>ed</i>) <i>ment</i> <i>ed</i> EMAINS (total count) total weight (grams) <i>d</i>) <i>entire</i> <i>frags</i> <i>ebox</i>)	0 0 2 0.01 2		0 0 0.01 6	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REMA Acalypha virginica (coppo Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded see Unknown seed non-carbonized SEED R Amaranthus sp. (pigweed Crotolaria sagittalis (rattle Euphorbia sp. (strawberry) Mathematical	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>ooke</i>) <i>d</i>) <i>ed</i>) <i>ment</i> <i>ed</i> EMAINS (total count) total weight (grams) <i>d</i>) <i>entire</i> <i>frags</i> <i>ebox</i>)	0 0 0.01 2		0 0 0.01 6	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS Carya sp. (thick-walled h carbonized SEED REMA Acalypha virginica (coppo Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded see Unknown seed non-carbonized SEED R Amaranthus sp. (pigweed Crotolaria sagittalis (ratthe Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpo	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>ooke</i>) <i>a</i> () <i>ed</i>) <i>ed</i>) <i>ment</i> <i>ed</i> EMAINS (total count) total weight (grams) <i>d</i>) <i>entire</i> <i>frags</i> <i>ebox</i>) <i>etweed</i>)	0 0 0.01 2		0 0 0.01 6	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS Carya sp. (thick-walled h carbonized SEED REMA Acalypha virginica (coppo Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded see Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee Crotolaria sagittalis (ratthe Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpo Myrica sp. (bayberry) ?	(total count) total weight (grams) <i>ickory)</i> AINS (total count) total weight (grams) <i>erleaf</i>) <i>efoot</i>) <i>ooke</i>) <i>d</i>) <i>ed</i>) <i>ed</i>) <i>ment</i> <i>ed</i> EMAINS (total count) total weight (grams) <i>d</i>) <i>entire</i> <i>frags</i> <i>ebox</i>)	0 0 0.01 2	000	0 0 0.01 6	0 0 1 <0.01	0 0 1 <0.01	2 0.03 2 1 <0.01
NUT REMAINS <u>Carya sp. (thick-walled h</u> carbonized SEED REM/ Acalypha virginica (copp Chenopodium sp. (goose Phytolacca americana (p Polygonum sp. (knotwee Rumex sp. (dock) Stellaria media (chickwee GRAMINEAE Unidentifiable seed fragm Unidentifiable eroded see Unidentifiable eroded see Unknown seed non-carbonized SEED R Amaranthus sp. (pigwee Crotolaria sagittalis (rattle Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpo Myrica sp. (bayberry) ? Oxalis stricta (wood sorre	(total count) total weight (grams) <i>ickory</i>) AINS (total count) total weight (grams) <i>erleaf</i>) <i>erleaf</i>)	0 0 0.01 2		0 0 0.01 6	0 0 1 <0.01	0 0 1 <0.01 1	2 0.03 2 1 <0.01

Flotation Recovered Plant Remains from Feature Contexts, Locus 3, Puncheon Run Site (7K-C-51)	

Catalog #		384	396	403	516	518	418
Block		1	2	3	3	3	
Unit		147	148		134	136	156
Strata, Level		B,2	B,2				
Feature		7	9	13,A,1	16A	16B	30,A,5
Feature Strata							
Feature Level							
Column				north 1/2			
Soil Sample Volume (liters)		2	1	2	2	2	2
Total Charcoal Weight (grams)		0.26	0.44	0.37	0.42	0.09	0.07
Phytolacca americana (poke)							
Polygonum sp. (knotweed)	entire						
	frags						
Prunus serotina (black cherry)	entire						
	frags						
Rubus sp. (blackberry/raspberry)							
Stellaria media (chickweed)							
Trifolium sp. (clover)							
Vicia sp. (vetch)							
AMARANTHACEAE (pigweed fam	ily)						
LEGUMINOSAE (bean family)	• /						
POACEAE (grass family)							
presence/absence (Phase II anlays	sis)	yes	yes	yes	yes	yes	no
	ł	2		*		2	
OTHER PLANT REMAINS	(total count)	2	1	3	1	0	2
total v	veight (grams)	0.01	0.04	0.01	<0.01	0	<0.01
Amorphous carbon	0 (0 /	2	1	2			
Unidentifiable rind fragment				1	1		1
Unidentifiable bud fragment							
Unidentifiable charcoal							1
Fungal fructification							
Woody bud fragment							
Hull fragment							
Peduncle fragment							

Catalog #	424	455	98/2/262	98/2/264	98/2/268	98/2/918
BIOCK Unit	145	163	321	321	321	371
Strata, Level	110	100	021	021	021	0/1
Feature	30,A	29,1	30	30	30	36
Feature Strata			А	А	А	В
Feature Level			2	6	10	3
Column						
Soil Sample Volume (liters)	1	2	2	2	2	2
Total Charcoal Weight (grams)	0.08	10.18	0.17	0.1	0.25	0.26
WOOD CHARCOAL (total count)	10	1211	13	11	29	44
total weight (grams)	0.06	10.15	0.04	0.06	0.2	0.22
Acer sp. (maple) Cance sp. (hickory)			2			
Castanea dentata (american chestnut)		1	2			4
Diospyros virginiana (persimmon)		•				
Judans nigra (black walnut)						
Liquidambar styraciflua (sweetqum)						
Liriodendron tulipifera (tulip poplar)						
Morus rubra (red mulberry)						
Pinus sp. (so. pine group)						
Quercus sp. (white group)	10	19	2	4		9
Quercus sp. (red group)						
Quercus sp. (unspecified)					4	5
Robinia pseudoacacia (black locust)						
Sassafras albidum (sassafras)						
diffuse porous						
ring porous			0		-	2
deciduous taxa			9	4	C 11	
total identified fragments	10	20	12	11	20	20
	10	20	15	11	20	20
NUT REMAINS (total count)	1	0	2	0	0	0
total weight (grams)	0.01	0	0.03	0	0	0
Carya sp. (thick-walled hickory)	1		2			
carbonized SEED REMAINS (total count)	0	1				
total weight (grams)	0	<0.01				
Acalypna Virginica (copperieat)						
Chenopodium sp. (gooseloot) Phytologog amoricong (paka)						
Polyconum sp. (knotweed)						
Rumer sp. (dock)						
Stellaria media (chickweed)						
GRAMINEAE						
Unidentifiable seed fragment						
Unidentifiable eroded seed		1				
Unknown seed						
non-carbonized SEED REMAINS (total count)			6	1	0	55
total weight (grams)			0.02	0.01	0	0.02
Amaranthus sp. (pigweed) entire			3			2
frags				4		
Grotolaria sagittalis (rattlebox)				1		~
Lupiloibla sp. (spulye) Frageria sp. (strawberny)			1			3
Mollugo verticillata (carnetweed)			I			18
Myrica sp. (bayberry) ?						40
Oxalis stricta (wood sorrel)						2
Panicum sp. (panic grass)						-

Flotation Recovered Plant Remains fr	om Feature Contexts, Locus 3,	Puncheon Run Site (7	7K-C-51)
--------------------------------------	-------------------------------	----------------------	----------

Catalog #			424	455	98/2/262	98/2/264	98/2/268	98/2/918
Unit			145	163	321	321	321	371
Strata, Level								
Feature			30,A	29,1	30	30	30	36
Feature Strata					A	A	A	В
Feature Level					2	6	10	3
Column				0	0	0	0	0
Soll Sample Volume (liters)	20)		1	10.10	2	2	2	2
Phytolacca americana (noke			0.06	10.16	0.17	0.1	0.25	0.20
Polygonum sp. (knotweed)	=)	entire						
i olygonani op. (nilotnood)		fraas						
Prunus serotina (black cheri	V)	entire						
·		frags						
Rubus sp. (blackberry/raspb	erry)							
Stellaria media (chickweed)								
Trifolium sp. (clover)								
Vicia sp. (vetch)						1		
AMARANTHACEAE (pigwee	ed family)							
LEGUMINOSAE (bean fami	ly)							
POACEAE (grass family)								
presence/absence (Phase II	anlaysis)		yes	yes				
OTHER DI ANT REMAINS	(total (count)	2	6	1	6	8	5
	total weight	(grams)	0.01	0.03	0.08	0.03	0.05	0.02
Amorphous carbon	total holgin	(grame)	0.01	5	4	6	8	4
Unidentifiable rind fragment				-		-	-	-
Unidentifiable bud fragment								1
Unidentifiable charcoal			2					
Fungal fructification								
Woody bud fragment				1				
Hull fragment								
Peduncle fragment								

Catalog #	98/2/819	98/2/1265	98/2/937	98/2/810	98/2/984	98/2/836
Block						
Unit	356	463	432	420	432	420
Strata, Level	00	07	00	00	00	00
Feature Feature Strate	30	3/	38	38	38	38
Feature Strata	D	A 2	A 2	A 6	A 7	A 10
	5	5	5	0	'	10
Soil Sample Volume (liters)	2	2	2	2	2	2
Total Charcoal Weight (grams)	0.24	0.1	0.12	0.07	0.01	0
WOOD CHARCOAL (total count)	24	3	13	5	1	0
total weight (grams)	0.15	0.02	0.08	0.03	<0.01	0
Acer sp. (maple)						
Carya sp. (hickory)		1				
Castanea dentata (american chestnut)						
Diospyros virginiana (persimmon)						
Juglans nigra (black walnut)						
Liquidambar styraciflua (sweetgum)						
Liriodendron tulipifera (tulip poplar)			1			
Morus rubra (red mulberry)						
Pinus sp. (so. pine group)						
Quercus sp. (white group)	5	2				
Quercus sp. (red group)			1			
Quercus sp. (unspecified)						
Robinia pseudoacacia (black locust)						
Sassafras albidum (sassafras)						
diffuse porous						
ring porous			_	_		
deciduous taxa	1		5	5		
unidentifiable	14		6	_	1	
total identified fragments	20	3	13	5	1	0
NUT REMAINS (total count)	0	2	0	0	0	0
total weight (grams)	0	0.04	0	0	0	0
Carva sp. (thick-walled hickory)	Ū.	2	· ·	•	•	C C
carbonized SEED REMAINS (total count)						
total weight (grams)						
Acalypha virginica (copperleaf)						
Chenopodium sp. (goosefoot)						
Phytolacca americana (poke)						
Polygonum sp. (knotweed)						
Rumex sp. (dock)						
Stellaria media (chickweed)						
GRAMINEAE						
Unidentifiable seed fragment						
Unidentifiable eroded seed						
Unknown seed						
non corbonized SEED DEMAINS (total count)	100	24	F	1	2	0
non-carbonized SEED REMAINS (lotal count)	130	0.04	0.01	0.02	2	0
Amoranthus sp. (pigwood)	0.03 Q	0.04	0.01	0.02	0.01	0
	0 . 0		2			
(Tays) Crotolaria sadittalis (rattleboy)	3					
Funhorhia sa (spurge)	2					
Euphonnia sp. (spurye) Frageria sp. (strawberry)	3		2		1	
Mollugo verticillata (carnetweed)	96	20	5		1	
Myrica sn (havberry)?	30	20			1	
Oxalis stricta (wood sorrel)	1					
Panicum sp. (panic grass)	5					

Catalog #			98/2/819	98/2/1265	98/2/937	98/2/810	98/2/984	98/2/836
Unit			356	463	432	420	432	420
Strata, Level								
Feature			36	37	38	38	38	38
Feature Strata			В	А	А	Α	А	А
Feature Level			3	3	3	6	7	10
Column								
Soil Sample Volume (liters)			2	2	2	2	2	2
Total Charcoal Weight (gram	is)		0.24	0.1	0.12	0.07	0.01	0
Phytolacca americana (poke)							
Polygonum sp. (knotweed)		entire	6					
)	trags	3	4				
Prunus serotina (black cherr	<i>y)</i>	fraga		1		1		
Pubup on /blookborn//rooph	orad	nags		1		1		
Stollaria modia (chickwood)	eny)		11	I				
Trifolium sp. (clover)			11	5				
Vicia sn (vetch)				5				
AMARANTHACEAE (pigwee	ed family)			3				
LEGUMINOSAE (bean famil	v)			Ũ				
POACEAE (grass family)	, ,							
presence/absence (Phase II	anlaysis)							
	4 /							
OTHER PLANT REMAINS	(total	count)	8	0	5	3	0	0
	total weight	(grams)	0.06	0	0.03	0.02	0	0
Amorphous carbon			8		3	3		
Unidentifiable rind fragment								
Unidentifiable bud fragment					2			
Unidentifiable charcoal								
Fungal fructification								
Woody bud fragment								
Hull fragment								
Peduncle fragment								

Catalog #	98/2/840	98/2/827	98/2/825	98/2/812	TOTALS
	440	200	200	207	46 samples
Unit Strata Laval	410	390	390	397	
Sirala, Level	04	06	06	06	
Fedure Fosturo Strata	94 D	90 B	90 B	90 D	
Fedure Silala	D 2		D 2	D 2	
	5	4	5	5	
Column Soil Sample Volume (liters)	2	n	2	2	00
Total Charcoal Woight (grams)	ے 1 10	0.16	ے 0 17	ے 1 1 1	31 32
	74	0.10	10	1.11	31.32
wood CHARCOAL (lotal could)	14	20	0 12	0.02	3207 29.77
Acer sp. (maple)	1.1	0.14	0.15	0.90	20.77
Carva sp. (Inapie)		2			20
Castanea dentata (american chestnut)		2	1		23
Diospyros virginiana (porsimmon)			I		5
Juglans nigra (black walnut)				5	5
Liquidambar styraciflua (swootgum)				5	40
Liquidambar Styracinua (Sweetgum)					40
Moruo rubro (rod mulborn/)					1
Dinus on (ac pine group)	1			2	1
Plinus sp. (so. pline group)	I	2	10	Z	4
Quercus sp. (write group)		2	10	0	101
Quercus sp. (rea group)		5		3	12
Quercus sp. (unspecified)					35
Robinia pseudoacacia (black locust)					3
Sassafras albidum (sassafras)					2
diffuse porous					2
ring porous					34
deciduous taxa	19	11		4	106
unidentifiable				6	141
total identified fragments	20	20	19	20	611
	0		•	•	10
NUT REMAINS (total count)	0	1	0	3	49
NUT REMAINS (total count) total weight (grams)	0 0	1 0.01	0 0	3 0.02	49 0.58
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory)	0 0	1 0.01 1	0 0	3 0.02 3	49 0.58 49
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count)	0 0	1 0.01 1	0 0	3 0.02 3	49 0.58 49 58
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams)	0 0	1 0.01 1	0 0	3 0.02 3	49 0.58 49 58 0.05
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf)	0 0	1 0.01 1	0 0	3 0.02 3	49 0.58 49 58 0.05 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot)	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke)	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed)	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 29
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock)	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 29 1 2
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed)	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 2 1 2 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 2 1 2 1 5
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 2 1 2 1 5 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 29 1 2 1 1 5 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 2 1 1 5 1 1 5 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	0	1 0.01 1	0	3 0.02 3	49 0.58 49 58 0.05 1 29 1 2 1 2 1 5 1 1 5 1 16 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	00	1 0.01 1 8	00	3 0.02 3 89	49 0.58 49 58 0.05 1 29 1 2 1 2 1 5 1 1 5 1 1 6 1 2 420
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	0 0 20 0.02	1 0.01 1 8 <0.01	0 0 66 0.03	3 0.02 3 89 0.02	49 0.58 49 58 0.05 1 29 1 2 1 2 1 5 1 1 5 1 1 6 1 420 0.23
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed)	0 0 20 0.02 4	1 0.01 1 8 <0.01	0 0 66 0.03	3 0.02 3 89 0.02 10	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 6 1 420 0.23 29
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed geed Non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire	0 0 20 0.02 4	1 0.01 1 8 <0.01	0 0 66 0.03	3 0.02 3 89 0.02 10	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 5 1 1 6 1 2 9 3 3
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox)	0 0 20 0.02 4	1 0.01 1 8 <0.01	0 0 66 0.03	3 0.02 3 89 0.02 10	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 6 1 420 0.23 29 3 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurae)	0 0 20 0.02 4 3	1 0.01 1 8 <0.01	0 0 66 0.03	3 0.02 3 89 0.02 10	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 6 1 1 6 2 3 1 9 3 3 1 9
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry)	0 0 20 0.02 4 3	1 0.01 1 8 <0.01	0 0 66 0.03	3 0.02 3 89 0.02 10	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 6 1 1 6 2 3 1 9 3 3 1 9 5
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed)	0 0 20 0.02 4 3 6	1 0.01 1 8 <0.01	0 0 66 0.03 21	3 0.02 3 89 0.02 10 68	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 6 1 16 1 2 9 3 1 9 5 264
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed) Mvrica sp. (bayberry) ?	0 0 20 0.02 4 3 6	1 0.01 1 8 <0.01	0 0 66 0.03 21	3 0.02 3 89 0.02 10 68	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 16 1 16 1 2 9 3 1 9 5 264 1
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) carbonized SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) entire frags Crotolaria sagittalis (rattlebox) Euphorbia sp. (spurge) Frageria sp. (strawberry) Mollugo verticillata (carpetweed) Myrica sp. (bayberry) ? Oxalis stricta (wood sorrel)	0 0 0 0.02 4 3 6	1 0.01 1 8 <0.01 5 1	0 0 66 0.03 21 4	3 0.02 3 89 0.02 10 68 9	49 0.58 49 58 0.05 1 29 1 2 1 2 1 1 5 1 1 5 1 1 6 1 1 6 2 9 3 3 1 9 5 264 1 17

Catalog # Block		98/2/840	98/2/827	98/2/825	98/2/812	TOTALS
Unit		410	390	390	397	40 Samples
Strata, Level			000	000	001	
Feature		94	96	96	96	
Feature Strata		В	В	В	В	
Feature Level		3	4	3	3	
Column						
Soil Sample Volume (liters)		2	2	2	2	90
Total Charcoal Weight (grams)		1.18	0.16	0.17	1.11	31.32
Phytolacca americana (poke)						0
Polygonum sp. (knotweed)	entire	4		30		40
Draw a constine (block charry)	trags					3
Prunus serolina (black cherry)	frage					1
Rubus sp. (blackbarn/raspharn/)	irays					2
Stellaria media (chickweed)		1			2	14
Trifolium sp. (clover)		1			2	5
Vicia sp. (vetch)						1
AMARANTHACEAE (pigweed famil	V)		2	10		15
LEGUMINOSAE (bean family)		1		-		1
POACEAE (grass family)		1		1		2
presence/absence (Phase II anlays	is)					23 of 32
OTHER PLANT REMAINS (total count)	7	2	2	7	204
total w	eight (grams)	0.06	0.01	0.01	0.09	1.69
Amorphous carbon		6	2	2	7	184
Unidentifiable rind fragment		1				5
Unidentifiable bud fragment						3
Unidentifiable charcoal						5
Fungal fructification						1
woody bud fragment						3
nuii iraginent						2
reduncie fragment						

Unit 120 120 120 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 122 123 1,4 3,3 3,4 Soil Sample Volume (liters) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Catalog # Block		171 4	172 4	173 4	182 4	183 4
Feature, Strata, Level I.2 I.3 I.4 3,3 3,4 Column 1,2 1,3 1,4 3,3 3,4 Soil Sample Volume (liters) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Unit Strata Level		120 B 3	120 B 4	120 C 5	122 B 4	122 C 5
Column 1,2 1,3 1,4 3,3 3,4 Soil Sample Volume (liters) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Feature, Strata, Level		2,0	2, .	0,0	2,1	0,0
Soil Sample Volume (liters) 2 2 2 2 2 2 2 2 1 Total Charcoal Weight (grams) 0.06 0 0.01 0.19 0.002 WOOD CHARCOAL (total count) 3 0 1 3.0 1 Acer sp. (maple) Acer sp. (maple) Acer/Betlin (maple/birch) Acer/Betlin (maple/birch) Acer/Betlin (maple/birch) Carya sp. (hickory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Lirvidendron tulipifera (tulip poplar) Morus rubar (red mulberry) Pinus sp. (so. pine group) 14 Quercus sp. (white group) 2 Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 0 0 Carya sp. (kinck-walled hickory) Utatal weight (grams) 0.01 0 0 0 0 Sassafras albidum (sassafras) diffuse porous 1 1 1 1 0 0 0 0	Column		1,2	1,3	1,4	3,3	3,4
Total Charcoal Weight (grams) 0.06 0 0.01 0.19 0.02 WOOD CHARCOAL (total count) 3 0 1 30 1 Acer sp. (maple) 0.04 0 0.01 0.16 0.02 Acer sp. (inkory) Carya sp. (inkory) 0.04 0 0.01 0.16 0.02 Carya sp. (inkory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black wahut) 1 Juglans nigra (black wahut) 1 Juglans nigra (black wahut) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Soil Sample Volume (liters)		2	2	2	2	2
WOOD CHARCOAL (total count) 3 0 1 30 1 total weight (grams) 0.04 0 0.01 0.16 0.02 Acer sp. (maple) Acer/Betula (maple/birch) 0 0 0.01 0.16 0.02 Acer/Betula (maple/birch) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulbery) Pinus sp. (so. pine group) Prunus serotina (black chery) Quercus sp. (red group) Quercus sp. (red group) 14 Quercus sp. (red group) Quercus sp. (red group) Quercus sp. (red group) 2 Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) 1 1 1 Glifuse porous 1 0 0 0 0 0 0 NUT REMAINS (total count) 0 0 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 0 0 <td< td=""><td>Total Charcoal Weight (grams)</td><td></td><td>0.06</td><td>0</td><td>0.01</td><td>0.19</td><td>0.02</td></td<>	Total Charcoal Weight (grams)		0.06	0	0.01	0.19	0.02
total weight (grams) 0.04 0 0.01 0.16 0.02 Acer sp. (maple) Acer/Betula (maple/birch) 0 0.01 0.16 0.02 Acer/Betula (maple/birch) Carya sp. (hickory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black wainut) Liquidambar styraciflua (sweetgum) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulbery) Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) 14 Quercus sp. (unspecified) 2 Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) 1 1 diffuse porous 1 6 1 6 total weight (grams) 0 0 0 0 0 NUT REMAINS (total count) 0 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 0 Polygonum sp. (goosefoot) 1 0 0 0 0	WOOD CHARCOAL (total count)	3	0	1	30	1
Acer sp. (maple) Acer sp. (maple) Acer/Betula (maple/birch) Carya sp. (hickory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black welnut) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Prunus serotina (black cherry) Quercus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (red group) Quercus sp. (red group) Quercus sp. (red group) Quercus sp. (inspecified) Quercus sp. (inspecified) Quercus sp. (inspecified) Quercus sp. (unspecified) Quercus sp. (total count) Do 0 Do 0 Do 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) Do 0 Do 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) Do 0 Do 0 Do 0 Do 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) Do 0 Do 0	total w	veight (grams)	0.04	0	0.01	0.16	0.02
Acer/Betula (maple/birch) Carya sp. (hickory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Pinus sp. (so. pine group) Prunus servina (black cherry) Quercus sp. (white group) Quercus sp. (inspecified) Quercus sp. (unspecified) Quercus sp. (unspecified) Sassafras albidum (sassafras) diffuse porous deciduous taxa 1 1 1 1 1 1 1 1 1 1 1 1 1	Acer sp. (maple)						
Carya sp. (hickory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (met group) Quercus sp. (indegroup) Quercus sp. (red group) Quercus sp. (indegroup) Quercus sp. (indegroup) Sessafras albidum (sassafras) diffuse porous ring porous total identified fragments NUT REMAINS (total count) 0 0 0 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 0 0 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 0 0 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 Phytolacca americana (poke) 1 Phytolacca americana (poke) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment	Acer/Betula (maple/birch)						
Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Prunus serotina (black cherry) Quercus sp. (mite group) Quercus sp. (mite group) Quercus sp. (mspecified) 2 Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa 1 1 1 1 1 1 1 1 1 1 1 1 1	Carya sp. (hickory)						
Diospyros virginiana (persimmon) Juglans nigra (black wainut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (unspecified) Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa unidentifiable 1 1 NUT REMAINS (total count) NUT REMAINS (total count) SEED REMAINS (total count) SEED REMAINS (total count) SEED REMAINS (total count) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) 1 Phytolacca fragment Unidentifiable seed fragment	Castanea dentata (american chesta	nut)					
Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulbery) Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (unspecified) Quercus sp. (unspecified) Quercus sp. (unspecified) Quercus sp. (unspecified) Sassafras albidum (sassafras) diffuse porous tring porous deciduous taxa 1 1 1 1 1 1 1 1 1 1 1 1 1	Diospyros virginiana (persimmon)						
Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Prinus sep. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (unspecified) Quercus sp. (unspecified) Sassafras albidum (sassafras) diffuse porous deciduous taxa 1 unidentifiable 1 NUT REMAINS (total count) NUT REMAINS (total count) NUT REMAINS (total count) SEED REMAINS (total count) SEED REMAINS (total count) 1 O Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 O Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 O Cheropodium sp. (goosefoot) Phytolacca americana (poke) 1 Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment	Juglans nigra (black walnut)						
Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Pinus sp. (so. pine group) Purus serotina (black cherry) Quercus sp. (white group) Quercus sp. (red group) diffuse porous deciduous taxa 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0	Liquidambar styraciflua (sweetgum	l)					
Morus rubra (red mulberry) Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (inspecified) Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Liriodendron tulipifera (tulip poplar)						
Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (inspecified) Quercus sp. (unspecified) Quercus sp. (unspecified) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa 1 1 1 unidentifiable 1 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Morus rubra (red mulberry)						
Prunus serotina (black cherry) 14 Quercus sp. (white group) 14 Quercus sp. (red group) 2 Robinia pseudoacacia (black locust) 2 Sassafras albidum (sassafras) 1 diffuse porous 1 ring porous 1 deciduous taxa 1 unidentifiable 1 total identified fragments 3 NUT REMAINS (total count) 0 0 total weight (grams) 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 SEED REMAINS (total count) 1 0 0 Chenopodium sp. (goosefoot) 1 Phytolacca americana (poke) 1 Polygonum sp. (knotweed) 1 Polygonum sp. (knotweed) RAMINEAE GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed Unidentifiable seed Unidentifiable seed	Pinus sp. (so. pine group)						
Quercus sp. (white group) 14 Quercus sp. (red group) 2 Robinia pseudoacacia (black locust) 2 Sassafras albidum (sassafras) 3 diffuse porous 1 ring porous 1 deciduous taxa 1 unidentifiable 1 total identified fragments 3 NUT REMAINS (total count) 0 0 total weight (grams) 0 0 0 SEED REMAINS (total count) 1 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 SEED REMAINS (total count) 1 0 0 0 Chenopodium sp. (goosefoot) 1 0 0 0 0 Phytolacca americana (poke) 1 1 Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed	Prunus serotina (black cherry)						
Quercus sp. (red group) 2 Robinia pseudoacacia (black locust) 2 Sassafras albidum (sassafras) 3 diffuse porous 1 1 ring porous 1 1 deciduous taxa 1 1 unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 Carya sp. (thick-walled hickory) 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Quercus sp. (white group)					14	
Quercus sp. (unspecified) 2 Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa 1 1 unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 Carya sp. (thick-walled hickory) 0 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 Acalypha virginica (copperleaf) 0.01 0 0 0 0 Chenopodium sp. (goosefoot) 1 Polygonum sp. (knotweed) Rumex sp. (dock) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed Unidentifiable seed	Quercus sp. (red group)						
Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa 1 unidentifiable 1 total identified fragments 3 NUT REMAINS (total count) 0 0 total weight (grams) 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 SEED REMAINS (total count) 1 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 Chenopodium sp. (goosefoot) Phytolacca americana (poke) 1 Polygonum sp. (knotweed) 1 Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable seed Unidentifiable seed	Quercus sp. (unspecified)		2				
Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa 1 1 1 unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 total weight (grams) 0 0 0 0 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 0 0 0 0 total weight (grams) 0.01 0 0 0 Carya sp. (thick-walled hickory) SEED REMAINS (total count) 1 0 0 0 0 total weight (grams) 0.01 0 0 0 Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) 1 Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable eroded seed Unidentifiable eroded seed	Robinia pseudoacacia (black locus	<i>t)</i>					
diffuse porous ring porous deciduous taxa 1 1 1 unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 0 total weight (grams) 0 0 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) 1 0 0 0 0 0 total weight (grams) 0.01 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) 1 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> <i>SEED REMAINS</i> (total count) 1 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> <i>SEED REMAINS</i> (total count) 1 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> <i>SEED REMAINS</i> (total count) 1 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> <i>SEED REMAINS</i> (total count) 1 0 0 0 0 <i>Carya sp. (total weight (grams)</i> 0.01 0 0 0 <i>Carya sp. (total weight (grams)</i> 0.01 0 0 0 <i>Carya sp. (dock)</i> <i>Stellaria media (chickweed)</i> <i>GRAMINEAE</i> <i>Unidentifiable seed fragment</i> <i>Unidentifiable eroded seed</i> <i>Unidentifiable eroded seed</i>	Sassafras albidum (sassafras)						
ring porous deciduous taxa 1 1 1 unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 0 total weight (grams) 0 0 0 0 0 0 <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) 1 0 0 0 0 total weight (grams) 0.01 0 0 0 0 Acalypha virginica (copperleaf) <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> 1 <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i> <i>Stellaria media (chickweed)</i> <i>GRAMINEAE</i> <i>Unidentifiable seed fragment</i> <i>Unidentifiable eroded seed</i>	diffuse porous						
deciduous taxa 1 1 1 unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 NUT REMAINS (total count) 0 0 0 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 Chenopodium sp. (goosefoot) 1 0 0 0 0 0 Phytolacca americana (poke) 1 1 1 1 1 1 1 Polygonum sp. (knotweed) 1 1 0 0 0 0 1 Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment 1 1	ring porous						
unidentifiable 1 6 total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 NUT REMAINS (total count) 0 0 0 0 0 0 Carya sp. (thick-walled hickory) 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	deciduous taxa				1		1
total identified fragments 3 0 1 20 1 NUT REMAINS (total count) 0 0 0 0 0 total weight (grams) 0 0 0 0 0 0 Carya sp. (thick-walled hickory) 20 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 SEED remaining (grams) 0.01 0 0 0 0 0 0 Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) 1 Phytolacca americana (poke) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unidentifiable		1			6	
NUT REMAINS (total count) 0 0 0 0 0 0 0 Carya sp. (thick-walled hickory) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>total identified fragments</td> <td></td> <td>3</td> <td>0</td> <td>1</td> <td>20</td> <td>1</td>	total identified fragments		3	0	1	20	1
NOT REMAINS (total count) 0 0 0 0 0 total weight (grams) 0 0 0 0 0 0 Carya sp. (thick-walled hickory) 1 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 Chenopodium sp. (goosefoot) 0.01 0 0 0 0 0 Phytolacca americana (poke) 1 1 1 0 0 0 0 Rumex sp. (dock) 1 1 0 0 0 0 0 Stellaria media (chickweed) GRAMINEAE 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	0	0	0
Carya sp. (thick-walled hickory) 0 0 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 Acalypha virginica (copperleaf) 0.01 0 0 0 0 Chenopodium sp. (goosefoot) 1 Phytolacca americana (poke) 1 1 Polygonum sp. (knotweed) 1 Polygonum sp. (dock) 1 1 Stellaria media (chickweed) GRAMINEAE 4 4 4 Unidentifiable seed fragment 1 4 4 4 Unidentifiable eroded seed 4 4 4 4	NUT REMAINS (1		0	0	0	0	0
SEED REMAINS (total count) 1 0 0 0 0 SEED REMAINS (total count) 1 0 0 0 0 0 Acalypha virginica (copperleaf) 0.01 0 0 0 0 0 Chenopodium sp. (goosefoot) 1 Phytolacca americana (poke) 1 1 0 0 0 0 Phytolacca americana (poke) 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <		int (grams)	0	0	0	0	0
SEED REMAINS (total count) 1 0 0 0 0 total weight (grams) 0.01 0 0 0 0 0 Acalypha virginica (copperleaf) 0.01 0 0 0 0 0 Chenopodium sp. (goosefoot) 1 1 0 0 0 0 0 Phytolacca americana (poke) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Carya sp. (tnick-walled nickory)						
total weight (grams) 0.01 0 0 0 Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) 1 Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	SEED REMAINS (t	otal count)	1	0	0	0	0
Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) 1 Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unidentifiable eroded seed	total w	veight (grams)	0.01	0	0	0	0
Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	Acalypha virginica (connerleaf)	(grains)	0.01	U	0	0	0
Phytolacca americana (poke) 1 Polygonum sp. (knotweed) 1 Rumex sp. (dock) 5 Stellaria media (chickweed) 6 GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed 1	Chenonodium sp. (goosefoot)						
Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	Phytolacca americana (noke)		1				
Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	Polygonum sp. (knotweed)		•				
Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	Rumex sp. (dock)						
GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed	Stellaria media (chickweed)						
Unidentifiable seed fragment Unidentifiable eroded seed	GRAMINEAE						
Unidentifiable eroded seed	Unidentifiable seed fragment						
	Unidentifiable eroded seed						
	Unknown seed						

non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel)

Panicum sp. (panic grass)

Flotation Recovered	Plant Remains from	Non-Feature Contexts,	Locus 3, Puncheon Run	1 Site (7K-C-51)
---------------------	--------------------	-----------------------	-----------------------	------------------

Catalog #		171 4	172 4	173 4	182 4	183 ⊿
Unit		120	120	120	122	122
Strata, Level		B,3	B,4	C,5	B,4	C,5
Feature, Strata, Level						
Column		1,2	1,3	1,4	3,3	3,4
Soil Sample Volume (liters)		2	2	2	2	2
Total Charcoal Weight (gran	ns)	0.06	0	0.01	0.19	0.02
Polygonum sp. (knotweed)						
Stellaria media (chickweed)						
Trifolium sp. (clover)						
AMARANTHACEAE (pigwe	ed family)					
presence/absence (Phase I	l analysis)	yes ye	es no	ye	es no	
	(total accest)	4	0	0	0	0
OTHER PLANT REMAINS	(total count)	1	0	0	6	0
A ware ware being a such a w	total weight (grams)	0.01	0	0	0.03	0
Amorphous carbon		1			0	
N/ADDOOT OTOM TROAMONT						
Monocot stem hagment						
Unidentifiable charcoal						
Unidentifiable charcoal Unidentifiable rind fragment						
Unidentifiable charcoal Unidentifiable rind fragment Fungal fructification						
Unidentifiable charcoal Unidentifiable rind fragment Fungal fructification Woody bud fragment						
Unidentifiable charcoal Unidentifiable rind fragment Fungal fructification Woody bud fragment Hull fragment						

Catalog # Block Unit Strata, Level Feature, Strata, Level		184 4 123 B,2	185 4 123 B,3	186 4 123 C,5	187 4 123 C,5	212 4 126 E,9
Soil Sample Volume (lite	ers)	4,1	4,2 2	4,4	4,4	2
Total Charcoal Weight (grams)	0.05	0.06	0.13	0.03	0
WOOD CHARCOAL	(total count)	5	3	5	3	0
	total weight (grams)	0.03	0.03	0.13	0.03	0
Acer sp. (maple) Acer/Betula (maple/birc Carya sp. (hickory) Castanea dentata (ame	h) rican chestnut)	2			1	
Diospyros virginiana (pe Juglans nigra (black wa Liquidambar styraciflua Liriodendron tulipifera (t Morus rubra (red mulbe Pinus sp. (so. pine grou	ərsimmon) Inut) (sweetgum) tulip poplar) rry) ıp)					
Prunus serotina (black o Quercus sp. (white group) Quercus sp. (red group) Quercus sp. (unspecifie Robinia pseudoacacia (Sassafras albidum (sas	cherry) ıp) ıd) idlack locust) safras)		1	2		
ring porous			2		1	
deciduous taxa		3	2	1	1	
unidentifiable		Ũ		2	1	
total identified fragments	S	5	3	5	3	0
NUT REMAINS	(total count)	0	0	0	0	0
Carva sp. (thick-walled	hickorv)	0	0	0	0	0
SEED REMAINS	(total count) total weight (grams)	12 <0.01	5 <0.01	0 0	0 0	0 0
Acalypha virginica (cop	perleat)	40	-	0	0	
Chenopodium sp. (goos Phytolacca americana ((noke)	12	Э	0	0	
Polygonum sp. (knotwe	ed)			U	0	
Rumex sp. (dock)						
Stellaria media (chickwe	eed)					
GRAMINEAE						
Unidentifiable seed frag	iment					
Unidentifiable eroded se	eed					
Unknown seed						

non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel) Panicum sp. (panic grass)

Catalog #		184	185	186	187	212
BIOCK		4	4	4	4	4
Unit Strata Laval		123	123	123	123	126
Strata, Level		В,2	В,3	C,5	C,5	E,9
Column		1 1	4.0	1 1	1 1	77
		4,1	4,2	4,4	4,4	7,7
Soli Sample volume (liters)	-	2	2	2	2	2
Total Charcoal Weight (gram	IS)	0.05	0.06	0.13	0.03	0
Polygonum sp. (knotweed)						
Stellaria media (chickweed)						
I rifolium sp. (clover)						
AMARAN I HACEAE (pigwee	ed family)					
presence/absence (Phase II	analysis)	yes	no	yes	no	no
	(total count)	F	2	0	0	0
OTHER PLANT REMAINS	(IUIAI COUIII)	0 02	0.02	0	0	0
Amorphous carbon	iolai weight (grans)	0.02	0.03	0	0	0
Monocot stom fragmont		5	5			
Unidentifiable rind fragment						
Fungal fructification						
Woody bud fragment						
Hull fragment						
Peduncle fragment						

Catalog # Block Unit Strata, Level Feature, Strata, Level Column Sail Sample Volume (liters)	213 4 127 C,3 8,1	214 4 127 C,4 8,2	215 4 127 C,5 8,3	216 4 127 C,6 8,4	217 4 127 D,7 8,5
Total Charcoal Weight (grams)	0.02	0.02	0.01	2	2
WOOD CHARCOAL (total count) total weight (grams)	3 0.01	1 0.01	0	0	0 0 0
Acer sp. (maple) Acer/Betula (maple/birch) Carya sp. (hickory) Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (red group) Quercus sp. (unspecified) Robinia pseudoacacia (black locust) Sassafras albidum (sassafras) diffuse porous ring porous deciduous taxa	2				
unidentifiable	1	1	0	0	0
	3	1	0	0	0
NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory)	0 0	0 0	0 0	0 0	0 0
SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	1 <0.01 1	0 0	0 0	0 0	0 0

non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel) Panicum sp. (panic grass)

Elotation Recovered Plant Remains from	n Non-Feature Contexts 1	ocus 3 Puncheon Run	Sito (7K-C-51)
FIOLALION RECOVERED FIAML REMAINS ITO	in Non-Feature Contexts, Lt	ocus 5, Funcheon Run	Sile (7K-C-51)

Catalog # Block		213	3 214 4 4	215 4	216 4	217 4
Strata Level			и 127 В СЛ	127 C 5	127 C 6	127 D 7
Feature Strata Level		0,0	,+ 0,+	0,0	0,0	D,1
Column		8,	1 8,2	8,3	8,4	8,5
Soil Sample Volume (liters)			2 2	2	2	2
Total Charcoal Weight (gran	าร)	0.02	2 0.02	0.01	0	0
Polygonum sp. (knotweed)						
Stellaria media (chickweed)						
Trifolium sp. (clover)						
AMARANTHACEAE (pigwee	ed family)					
presence/absence (Phase II	analysis)	no	no	no	no	no
						_
OTHER PLANT REMAINS	(total count)	4	2 1	1	0	0
	total weight (grams)	0.0	1 0.01	0.01	0	0
Amorphous carbon			2 1	1		
Monocot stem fragment						
Unidentifiable charcoal						
Unidentifiable rind fragment						
Fungal fructification						
Woody bud fragment						
Hull fragment						
Peduncle fragment						

Catalog # Block Unit Strata, Level Feature, Strata, Level	218 4 127 D,8	228 4 132 C,3	229 4 132 C,4	234 4 132 C,5	288 4 132 C,6
Column Soil Sample Volume (liters) Total Charcoal Weight (grams)	8,6 2 0	13,1 2 0	13,2 2 0.02	13,3 2 0.01	13,4 2 0
WOOD CHARCOAL (total count)	0	1	2	2	0
total weight (grams) Acer sp. (maple) Acer/Betula (maple/birch) Carya sp. (hickory)	0	<0.01	0.02	0.01	0
Castanea dentata (american chestnut) Diospyros virginiana (persimmon) Juglans nigra (black walnut) Liquidambar styraciflua (sweetgum) Liriodendron tulipifera (tulip poplar) Morus rubra (red mulberry) Pinus sp. (so. pine group) Prunus serotina (black cherry) Quercus sp. (white group) Quercus sp. (red group) Quercus sp. (unspecified) Robinia pseudoacacia (black locust) Sassafras albidum (sassafras)		1			
ring porous deciduous taxa			2	1 1	
unidentifiable total identified fragments	0	1	2	2	0
	0	0	0	0	0
total weight (grams)	0	0	0	0	0
Carya sp. (thick-walled hickory)					
SEED REMAINS (total count) total weight (grams)	0 0	0 0	0 0	0 0	0 0
Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed					

non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel) Panicum sp. (panic grass)

Flotation Recovered	d Plant Remains from	Non-Feature Contexts,	Locus 3, Puncheon Run	Site (7K-C-51)
---------------------	----------------------	-----------------------	-----------------------	----------------

Catalog #		218	228	229	234	288
Block		4	4	4	4	4
Unit		127	132	132	132	132
Strata, Level		D,8	C,3	C,4	C,5	C,6
Feature, Strata, Level						
Column		8,6	13,1	13,2	13,3	13,4
Soil Sample Volume (liters)		2	2	2	2	2
Total Charcoal Weight (gran	ns)	0	0	0.02	0.01	0
Polygonum sp. (knotweed)						
Stellaria media (chickweed)						
Trifolium sp. (clover)						
AMARANTHACEAE (pigwe	ed family)					
presence/absence (Phase I	l analysis)	no	no	yes	no	no
					_	_
OTHER PLANT REMAINS	(total count)	0	0	0	0	0
	total weight (grams)	0	0	0	0	0
Amorphous carbon						
Monocot stem fragment						
Unidentifiable charcoal						
Unidentifiable rind fragment						
Fungal fructification						
Woody bud fragment						
Hull fragment						
Peduncle fragment						

Catalog # Block		296 4	301 4	306 4	499	98/2/273
Unit		132	132	132	209	319
Strata, Level		D,7	D,8	D,9	B,4	C,4
Feature, Strata, Level						
Column		13,5	13,6	13,7		
Soil Sample Volume (liter	rs)	2	2	2	2	2
Total Charcoal Weight (g	rams)	0	0	0	0	0.01
WOOD CHARCOAL	(total count)	0	0	0	0	2
	total weight (grams)	0	0	0	0	0.01
Acer sp. (maple)						
Acer/Betula (maple/birch)					
Carya sp. (hickory)						
Castanea dentata (ameri	ican chestnut)					
Diospyros virginiana (per	rsimmon)					
Juglans nigra (black walr	nut)					
Liquidambar styraciflua (sweetgum)					
Liriodendron tulipifera (tu	ılip poplar)					
Morus rubra (red mulberi	ry)					
Pinus sp. (so. pine group)					
Prunus serotina (black cl	herry)					1
Quercus sp. (white group	<i>)</i>					
Quercus sp. (red group)						
Quercus sp. (unspecified	0					
Robinia pseudoacacia (b	lack locust)					1
Sassafras albidum (sass	afras)					
diffuse porous						
ring porous						
deciduous taxa						
unidentifiable				•		
total identified fragments		0	0	0	0	2
	(total count)	0	0	0	0	0
NOT REMAINS	(Iotal Couril)	0	0	0	0	0
Carva an (thick wallod h	iokony)	0	0	0	0	0
Carya sp. (Inick-walled h	ickory)					
SEED REMAINS	(total count)	0	0	0	0	
	total weight (grams)	0	0	0	0	
Acalvpha virginica (copp	erleaf)	•	-	-	-	
Chenopodium sp. (aoose	efoot)					
Phytolacca americana (p	oke)					
Polygonum sp. (knotwee	d)					
Rumex sp. (dock)						
Stellaria media (chickwee	ed)					
GRAMINEAE	,					
Unidentifiable seed fragn	nent					
Unidentifiable eroded see	ed					
Unknown seed						
non-carbonized SEED R	EMAINS (total count)					3
	total weight (grams)					<0.01

Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel) Panicum sp. (panic grass)

Flotation Recovered	d Plant Remains from	Non-Feature Contexts,	Locus 3, Puncheon Run	Site (7K-C-51)
---------------------	----------------------	-----------------------	-----------------------	----------------

Catalog #			296	301	306	499	98/2/273
Block			4	4	4	3	
Unit			132	132	132	209	319
Strata, Level			D,7	D,8	D,9	B,4	C,4
Feature, Strata, Level							
Column			13,5	13,6	13,7		
Soil Sample Volume (liters)			2	2	2	2	2
Total Charcoal Weight (gran	าร)		0	0	0	0	0.01
Polygonum sp. (knotweed)							
Stellaria media (chickweed)							
Trifolium sp. (clover)							
AMARANTHACEAE (pigwee	ed family)						1
presence/absence (Phase II	analysis)	yes	no	no	y	es	
			_	_	_	_	_
OTHER PLANT REMAINS	(total count)		0	0	0	0	0
	total weight (grams)		0	0	0	0	0
Amorphous carbon							
Monocot stem fragment							
Unidentifiable charcoal							
Unidentifiable rind fragment							
Fungal fructification							
Woody bud fragment							
Hull fragment							
Peduncle fragment							

Catalog #	98/2/276	98/2/816	98/2/817	98/2/1162	98/2/1168
Unit	319	397	397	455	455
Strata, Level	D,8	B,4	B,5	B,2	B,3
Feature, Strata, Level	,	,	,	,	,
Column					
Soil Sample Volume (liters)	2	2	2	2	2
Total Charcoal Weight (grams)	0	0.66	0.14	0.26	0.3
WOOD CHARCOAL (total count)	0	39	8	20	15
total weight (grams)	0	0.61	0.07	0.17	0.12
Acer sp. (maple)					1
Acer/Belula (Maple/Dirch)		2			
Carya sp. (IIICKOTy) Castanga dentata (american chestruit)		Z			
Diospyros virginiana (persimmon)					
Juglans nigra (black walnut)					
Liquidambar styraciflua (sweetqum)					
Liriodendron tulipifera (tulip poplar)				1	
Morus rubra (red mulberry)					
Pinus sp. (so. pine group)					
Prunus serotina (black cherry)					
Quercus sp. (white group)				4	
Quercus sp. (red group)		6			
Quercus sp. (unspecified)			3		
Robinia pseudoacacia (black locust)					
Sassafras albidum (sassafras)					
diffuse porous					
ring porous					
deciduous toxo		5		7	11
deciduous taxa		5	5	7	14
deciduous taxa unidentifiable total identified fragments	0	5 7 20	5 8	7 8 20	14 15
deciduous taxa unidentifiable total identified fragments	0	5 7 20	5 8	7 8 20	14 15
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count)	0	5 7 20 4	5 8 4	7 8 20 4	14 <u>15</u> 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams)	0 0 0	5 7 20 4 0.02	5 8 4 0.06	7 8 20 4 0.07	14 15 8 0.14
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i>	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory)	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 8 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total unight (grams)	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) Acalumba virginica (connected)	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenonodium sp. (goosefoot)</i>	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke)	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed)	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i>	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed)	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i> <i>Stellaria media (chickweed)</i> <i>GRAMINEAE</i> <i>Unidentifiable seed fragment</i>	0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i> <i>Stellaria media (chickweed)</i> <i>GRAMINEAE</i> <i>Unidentifiable seed fragment</i> <i>Unidentifiable eroded seed</i>	0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed	0 0 0	5 7 20 4 0.02 4	5 8 4 0.06 4	7 8 20 4 0.07 4	14 15 8 0.14 8
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) <i>Acalypha virginica (copperleaf)</i> <i>Chenopodium sp. (goosefoot)</i> <i>Phytolacca americana (poke)</i> <i>Polygonum sp. (knotweed)</i> <i>Rumex sp. (dock)</i> <i>Stellaria media (chickweed)</i> <i>GRAMINEAE</i> <i>Unidentifiable seed fragment</i> <i>Unidentifiable eroded seed</i> <i>Unknown seed</i> non-carbonized SEED REMAINS (total count) total weight (grams)	0 0 0 5 <0.01	5 7 20 4 0.02 4 7 <0.01	5 8 4 0.06 4 2 <0.01	7 8 20 4 0.07 4 	14 15 0.14 8 0.14 8 361 0.03
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed)	0 0 0 5 <0.01	5 7 20 4 0.02 4 7 <0.01	5 8 4 0.06 4 2 <0.01	7 8 20 4 0.07 4 111 0.02	14 15 8 0.14 8 361 0.03 14
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) Carya sp. (thick-walled hickory) SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed)	0 0 0 5 <0.01	5 7 20 4 0.02 4 7 <0.01	5 8 4 0.06 4 2 <0.01	7 8 20 4 0.07 4 111 0.02 73	14 15 8 0.14 8 361 0.03 14 310
deciduous taxa unidentifiable total identified fragments NUT REMAINS (total count) total weight (grams) <i>Carya sp. (thick-walled hickory)</i> SEED REMAINS (total count) total weight (grams) Acalypha virginica (copperleaf) Chenopodium sp. (goosefoot) Phytolacca americana (poke) Polygonum sp. (knotweed) Rumex sp. (dock) Stellaria media (chickweed) GRAMINEAE Unidentifiable seed fragment Unidentifiable eroded seed Unknown seed non-carbonized SEED REMAINS (total count) total weight (grams) Amaranthus sp. (pigweed) Mollugo verticillata (carpetweed) Oxalis stricta (wood sorrel)	0 0 0 5 <0.01 3	5 7 20 4 0.02 4 7 <0.01 4	5 8 4 0.06 4 2 <0.01 1	7 8 20 4 0.07 4 111 0.02 73 1	14 15 8 0.14 8 361 0.03 14 310 1

Catalog #		98/2/276	98/2/816	98/2/817	98/2/1162	98/2/1168
Block						
Unit		319	397	397	455	455
Strata, Level		D,8	B,4	B,5	B,2	B,3
Feature, Strata, Level						
Column						
Soil Sample Volume (liters)		2	2	2	2	2
Total Charcoal Weight (gram	าร)	0	0.66	0.14	0.26	0.3
Polygonum sp. (knotweed)					5	
Stellaria media (chickweed)		1	2		12	35
Trifolium sp. (clover)		1				
AMARANTHACEAE (pigwee	ed family)		1	1	20	
presence/absence (Phase II	analysis)					
OTHER PLANT REMAINS	(total count)	0	5	2	0	3
	total weight (grams)	0	0.03	0.01	0	0.01
Amorphous carbon			5	2		3
Monocot stem fragment						
Unidentifiable charcoal						
Unidentifiable rind fragment						
Fungal fructification						
Woody bud fragment						
Hull fragment						
Peduncle fragment						

Catalog #	98/2/1172 9	8/2/1173	TOTALS	
	155	155	32 samples	
Strata Level	433 R 4	433 R 5	52 Samples	
Feature Strata Level	Ъ,+	D,0		
Column				
Soil Sample Volume (liters)	2	2	64	
Total Charcoal Weight (grams)	0 1 1	0.21	2 32	
WOOD CHARCOAL (total count)	8	10	162	
total weight (grams)	0.07	0.16	1.71	
Acer sp (maple)	0.01	0110	1	
Acer/Betula (maple/birch)			2	
Carva sp. (hickory)	1		6	
Castanea dentata (american chestnut)			0	
Diospyros virginiana (persimmon)			0	
Juglans nigra (black walnut)			0	
Liquidambar styraciflua (sweetqum)			0	
Liriodendron tulipifera (tulip poplar)			1	
Morus rubra (red mulberry)			1	
Pinus sp. (so. pine aroup)			0	
Prunus serotina (black cherry)			1	
Quercus sp. (white group)		4	25	
Quercus sp. (red aroup)			6	
Quercus sp. (unspecified)			5	
Robinia pseudoacacia (black locust)			1	
Sassafras albidum (sassafras)			0	
diffuse porous	3		3	
ring porous	-		6	
deciduous taxa	3	6	42	
unidentifiable	1	-	33	
total identified fragments	8	10	133	
5				
NUT REMAINS (total count)	1	0	21	
total weight (grams)	0.02	0	0.31	
Carya sp. (thick-walled hickory)	1		21	
SEED REMAINS (total count)			19	
total weight (grams)			0.01	
Acalypha virginica (copperleaf)			0	
Chenopodium sp. (goosefoot)			18	
Phytolacca americana (poke)			1	
Polygonum sp. (knotweed)			0	
Rumex sp. (dock)			0	
Stellaria media (chickweed)			0	
GRAMINEAE			0	
Unidentifiable seed fragment			0	
Unidentifiable eroded seed			0	
Unknown seed			0	
non-carbonized SEED REMAINS (total count)	22	10	522	
total weight (grams)	0.01	<0.01	0.06	
Amaranthus sp. (piqweed)		2	16	
Mollugo verticillata (carpetweed)	24	8	425	
Oxalis stricta (wood sorrel)	 1	Ũ	3	
Panicum sp. (panic grass)	-		1	
· · · · · · ·				
Catalog #		98/2/1172	98/2/1173	TOTALS
------------------------------	----------------------	-----------	-----------	------------
Block				
Unit		455	455	32 samples
Strata, Level		B,4	B,5	
Feature, Strata, Level				
Column				
Soil Sample Volume (liters)		2	2	64
Total Charcoal Weight (gran	าร)	0.11	0.21	2.32
Polygonum sp. (knotweed)				5
Stellaria media (chickweed)		3		53
Trifolium sp. (clover)				1
AMARANTHACEAE (pigwee	ed family)	5		28
presence/absence (Phase II	analysis)			8 of 24
OTHER PLANT REMAINS	(total count)	1	5	35
	total weight (grams)	0.01	0.05	0.23
Amorphous carbon		1	4	34
Monocot stem fragment			1	1
Unidentifiable charcoal				0
Unidentifiable rind fragment				0
Fungal fructification				0
Woody bud fragment				0
Hull fragment				0
Peduncle fragment				0

Catalog #	98/2/544	98/2/545	98/2/546	98/2/547	98/2/540
	247	0 040	0 010	040	150
Unit Strate Level	213			213	153
Strata, Level	А,	I В,∠	2 В,З	C,4	A,1
Feature, Strata, Level					
Column				_	_
Soil Sample Volume (liters)	4	2 2	2 2	2	2
Total Charcoal Weight (grams)	0.05	5 0.09	9 0.04	0.02	0.07
Acer sp. (maple)					
Acer/Betula (maple/birch)					
Carya sp. (hickory)					
Castanea dentata (american chestnut)					
Diospyros virginiana (persimmon)					
Juglans nigra (black walnut)					
Liquidambar styraciflua (sweetgum)					
Morus rubra (red mulberry)					
Pinus sp. (so. pine group)					
Quercus sp. (red group)					
Quercus sp. (white group)					
Quercus sp. (unspecified)					4
Robinia pseudoacacia (black locust)					
Sassafras albidum (sassafras)					
diffuse porous					
ring porous					
deciduous taxa	ı	5 7	7 2		
unidentifiable	,	,	2	1	
total identified fragments	ı	5 7	7 2	1	1
total identified fragments	· · · ·	י <u>כ</u>	۲.	I	
NUT REMAINS (total count)	(ר ב	1 0	0	0
total weight (grams)	(i 0	0	0
Convo en (thick wallod hickory)	(0.0-	+ 0	0	0
Carya Sp. (Inick-walled hickory)					
carbonized SEED REMAINS (total count)	() O	0	0
total weight (grams)	(0	0
Acalypha virginica (connorloaf)	(5 (, 0	0	0
Chananadium an (gappefeet)					
Chenopodium sp. (gooseiool)					
Phytolacca americana (poke)					
Polygonum sp. (knotweed)					
Rumex sp. (dock)					
Stellaria media (cnickweed)					
GRAMINEAE					
Unidentifiable seed fragment					
Unidentifiable eroded seed					
Unknown seed					
non-carbonized SEED REMAINS					
presence/absence (Phase II analysis)	yes	yes	yes	yes	yes
	,		· ·	4	
UTHER PLANT REIVIAINS (TOTAL COUNT)	0.04		2	1	1
total weight (grams)	0.0	ı (J 0.02	0.01	0.01
Amorphous carbon	4	2	2	1	1
Unidentifiable charcoal					
Unidentifiable rind fragment					
Fungal fructification					
Woody bud fragment					

Flotation Recovered Plant Remains from Control Contexts, Locus 3, Puncheon Run Site (7K-C-51)

Flotation Recovered Plant Remains from Control Contexts, Locus 3, Puncheon Run Site (7K-C-51)

Catalog # Block	98/2/544	98/2/545	98/2/546	98/2/547	98/2/540
Unit	213	213	213	213	153
Strata, Level	A,1	B,2	B,3	C,4	A,1
Feature, Strata, Level					
Column					
Soil Sample Volume (liters)	2	2	2	2	2
Total Charcoal Weight (grams)	0.05	0.09	0.04	0.02	0.07
Hull fragment					
Peduncle fragment					

Catalog # Block	98/2/541	98/2/542	98/2/543	TOTALS 8 samples
Strata, Level Feature, Strata, Level	B,2	B,3	C,4	
Column	0	0	0	10
Soll Sample Volume (liters)	2	2	2	16 0 71
Acer sp (maple)	0.44	0	0	0.71
Acer/Betula (maple/birch)				0
Carya sp. (hickory)				0
Castanea dentata (american chestnut)				0
Diospyros virginiana (persimmon)				0
Juglans nigra (black walnut)				0
Liquidambar styraciflua (sweetgum)				0
Morus rubra (red mulberry) Pinus sp. (so. pino group)				0
Ouercus sp. (so. pine group)				0
Quercus sp. (white group)				0
Quercus sp. (unspecified)				4
Robinia pseudoacacia (black locust)				0
Sassafras albidum (sassafras)				0
diffuse porous				0
ring porous				0
deciduous taxa	1			15
unidentifiable	19	0	0	20
	20	0	0	39
NUT REMAINS (total count)	0	0	0	4
Carva sp. (thick-walled hickory)	0	0	0	0.04
carbonized SEED REMAINS (total count)	0	0	0	0
total weight (grams)	0	0	0	0
Acalypha virginica (copperleaf)				0
Chenopodium sp. (goosefoot)				0
Phylolacca americana (poke) Polygonum sp. (knotwood)				0
Rumex sn (dock)				0
Stellaria media (chickweed)				0
GRAMINEAE				0
Unidentifiable seed fragment				0
Unidentifiable eroded seed				0
Unknown seed				0
non-calbonized SEED REMAINS	no	no	VAS	6 of 8
	110	110	ycs	0010
OTHER PLANT REMAINS (total count)	137	0	0	143
total weight (grams)	0.08	0	0	0.13
Amorphous carbon	137			143
Unidentifiable charcoal				0
Unidentifiable rind fragment				0
rungai nucinication Woody bud fragment				0
				0

Flotation Recovered Plant Remains from Control Contexts, Locus 3, Puncheon Run Site (7K-C-51)

Catalog # Block	98/2/541	98/2/542	98/2/543	TOTALS 8 samples
Unit	153	153	153	
Strata, Level	B,2	B,3	C,4	
Feature, Strata, Level				
Column				
Soil Sample Volume (liters)	2	2	2	16
Total Charcoal Weight (grams)	0.44	0	0	0.71
Hull fragment				0
Peduncle fragment				0

ATTACHMENT D

MACROFLORAL INVENTORY - SITE SUMMARY

Designation		Loc 1 features	Loc 1 non-fea	Loc 2	Loc 3 features
Unit		31 samples	13 samples	4 samples	46 samples
Soil Sample Volume (lite	ers)	61.5	26	8	90
Total Charcoal Weight (grams)	9.92	0.97	0.4	31.32
WOOD CHARCOAL	(total count)	1078	32	24	3267
	total weight (grams)	8.58	0.23	0.14	28.77
WOOD CHARCOAL	(total count)	1078	32	24	3267
	total weight (grams)	8.58	0.23	0.14	28.77
Acer sp (maple)	(g.a)	9	00	0	1
Acer/Betula (manle/birch	h)	6	0	0	0
Carva sp (hickory)	''	59	5	0	29
Castanea dentata (amer	rican chestnut)	2	0	0	0
Cornus florida (flowering	ndan unestinat) n daawood)	1	0	0	0
Diospyros virginiana (ne	arsimmon)	0	0	0	5
Erovinus on (ach)		0	0	0	0
Ilox opaca (Amorican bo		2	1	0	0
luglopo pigro (block wol	niy) Inut)	0	1	0	0
Jugians nigra (black wai	(nuc)	2	0	0	0
	(Sweeiguni)	0	0	0	40
Liriodendron tulipifera (ti	ulip poplar)	2	0	0	1
Morus rubra (red mulbei	rry)	0	0	0	1
Pinus sp. (so. pine group	D)	1	0	0	4
Prunus serotina (black c	cherry)	0	0	0	0
Quercus sp. (red group)		3	0	0	12
Quercus sp. (white grou	p)	82	8	13	181
Quercus sp. (unspecified	d)	37	3	5	35
Robinia pseudoacacia (l	black locust)	0	0	0	3
Sassafras albidum (sass	safras)	0	0	0	2
diffuse porous		0	0	0	2
ring porous		43	0	0	34
coniferous taxa		1	0	0	0
deciduous taxa		93	7	0	106
unidentifiable		69	8	6	141
total identified fragments	6	418	32	24	611
NUT REMAINS	(total count)	42	35	10	49
te	otal weight (grams)	0.45	0.73	0.15	0.58
Quercus sp. (acorn)		2	0	0	0
Carya sp. (thick-walled l	hickory)	40	35	10	49
	2 /				
carbonized SEED REMA	AINS (total count)	7	1	0	58
	total weight (grams)	0.08	0	0	0.05
Acalvpha virginica (copp	perleaf)	0	0	0	1
Chenopodium sp. (aoos	efoot)	0	0	0	29
possible Nelumbo lutea	(American lotus) frag	1	0	0	0
Phytolacca americana (i	noke)	0	0	0	1
Polyaonum sp. (knotwee	ed)	0	0	0	2
Rumex sp. (dock)		0	0	0	1
Stellaria media (chickwe	and)	0	0	0	1
GRAMINEAE		0	0	0	5
I Inidentifiable seed from	mont	0	0	0	
I Inidentifiable graded as	and	0	1	0	16
		0	1	0	10
Unidentinable large seed	1	0	0	0	1
UNANUWIN SEEU		0	0	0	

Designation	Loc 1 features	Loc 1 non-fea	Loc 2	Loc 3 features
Unit	31 samples	13 samples	4 samples	46 samples
Soil Sample Volume (liters)	61.5	26	8	90
Total Charcoal Weight (grams)	9.92	0.97	0.4	31.32
WOOD CHARCOAL (total count)	1078	32	24	3267
total weight (grams)	8.58	0.23	0.14	28.77
non-carbonized SEED REMAINS (total count) 130	0	0	420
total weight (grams)	0.06	0	0	0.23
Amaranthus sp. (pigweed) entire	2	0	0	29
Ambrosia artemisiifelia (common ragwood)	0	0	0	3
Crotolaria sadittalis (rattlebox)	1	0	0	1
Eunhorhia sp. (spurge)	8	0	0	9
Euphonia sp. (spuige) Frageria sp. (strawberny)	0	0	0	5
Mollugo verticillata (carpetweed)	0 80	0	0	264
Myrica sp. (bayberry) ?	00	0	0	204
Oxalis stricta (wood sorrel)	10	0	0	17
Panicum sp. (panic grass)	0	0	0	5
Phytolacca americana (noke)	0	0	0	0
Polygonum pensylvanicum (knotweed) entir	4 1	0	0	0
fragment	、 1 1	0	0	0
Polvaonum sp. (knotweed) entire	1	0	0	40
fragment	0	0	0	3
Prunus serotina (black cherry) entire	0	0	0	1
fragment	0	0	0	2
Rubus sp. (raspberry/blackberry)	0	0	0	1
Solanum rostratum (buffalobur)	1	0	0	0
Stellaria media (chickweed)	2	0	0	14
Trifolium sp. (clover)	0	0	0	5
Vicia sp. (vetch)	0	0	0	1
Vitis sp. (grape)	1	0	0	0
AMARANTHACEAE (pigweed family)	19	0	0	15
LEGUMINOSAE (bean family)	0	0	0	1
POACEAE (grass family)	2	0	0	2
unidentifiable seed coat fragment	1	0	0	0
presence/absence (Phase II analysis)	5 of 10	6 of 13	2 of 4	23 of 32
OTHER PLANT REMAINS (total count)	106	1	10	204
total weight (grams)	0.76	0.01	0.11	1.69
Amorphous carbon	80	0	9	184
Monocot stem tragment	1	0	1	0
	0	0	0	5
conferous bud tragment	1	0	0	0
Unidentifiable bud fragment	0	0	0	3
Unidentifiable plant part	15	0	0	5
	1	1	0	0
Fundal fructification		0	0	1
Woody bud fragment	0	0	0	د د
Hull fragment	0	0	0	3 2
Peduncle fragment	0	0	0	1

Designation	Loc 3 non-fea	Loc 3 control	SITE
Unit	32 samples	8 samples	TOTALS
Soil Sample Volume (liters)	64	16	249.5
Total Charcoal Weight (grams)	2.32	0.71	44.93
WOOD CHARCOAL (total count)	162	44	4563
total weight (grams)	1./1	0.54	39.43
WOOD CHARCOAL (total count)	162	44	4563
total weight (grams)	1.71	0.54	39.43
Acer sp. (maple)	1	0	11
Acer/Betula (maple/birch)	2	0	8
Carya sp. (hickory)	6	0	99
Castanea dentata (american chestnut)	0	0	10
Cornus florida (flowering dogwood)	0	0	1
Diospyros virginiana (persimmon)	0	0	5
Fraxinus sp. (ash)	0	0	2
llex opaca (American holly)	0	0	7
Juglans nigra (black walnut)	0	0	8
Liquidambar styraciflua (sweetgum)	0	0	40
Liriodendron tulipifera (tulip poplar)	1	0	4
Morus rubra (red mulberry)	1	0	2
Pinus sp. (so. pine group)	0	0	5
Prunus serotina (black cherry)	1	0	1
Quercus sp. (red group)	25	0	40
Quercus sp. (white group)	6	0	290
Quercus sp. (unspecified)	5	4	85
Robinia pseudoacacia (black locust)	1	0	4
Sassafras albidum (sassafras)	0	0	2
diffuse porous	3	0	5
ring porous	6	0	83
coniferous taxa	0	0	1
deciduous taxa	42	15	248
unidentifiable	33	20	257
total identified fragments	133	39	1218
NUT REMAINS (total count)	21	4	157
total weight (grams)	0.31	0.04	2.22
Quercus sp. (acorn)	0	0	2
Carva sp. (thick-walled hickory)	21	0	155
carbonized SEED REMAINS (total count)	19	0	85
total weight (grams)	0.01	0	0.14
Acalvpha virginica (copperleaf)	0	0	1
Chenonodium sp. (goosefoot)	18	0	47
possible Nelumbo lutea (American lotus) frag	0	0	1
Phytolacca americana (noke)	1	0	2
Polygonum sn. (knotweed)	0	0	2
Rumey sn. (dock)	0	0	- 1
Stellaria media (chickwood)	0	0	1
CRAMINEAE	0	0	I F
Undentifiable seed frogment	0	0	÷ 1
Unidentifiable aroded sood	0	0	17
unidentifiable large seed	0	0	17 E
Linknown seed	0	0	1
011111011113000	0	0	1

Designation	Loc 3 non-fea	Loc 3 control	SITE
Unit	32 samples	8 samples	TOTALS
Soil Sample Volume (liters)	64	16	249.5
Total Charcoal Weight (grams)	2.32	0.71	44.93
WOOD CHARCOAL (total count)	162	44	4563
total weight (grams)	1.71	0.54	39.43
non-carbonized SEED REMAINS (total count) 532	0	1082
total weight (grams)	0.06	0	0.35
Amaranthus sp. (pigweed) entire	16	0	47
fragment	0	0	3
Ambrosia artemisiifolia (common ragweed)	0	0	1
Crotolaria sagittalis (rattlebox)	0	0	1
Euphorbia sp. (spurge)	0	0	17
Frageria sp. (strawberry)	0	0	5
Mollugo verticillata (carpetweed)	425	0	769
Myrica sp. (bayberry) ?	0	0	1
Oxalis stricta (wood sorrel)	3	0	30
Panicum sp. (panic grass)	1	0	6
Phytolacca americana (poke)	0	0	0
Polygonum pensylvanicum (knotweed) entir	e 0	0	1
fragment	0	0	1
Polygonum sp. (knotweed) entire	5	0	46
fragment	0	0	3
Prunus serotina (black cherry) entire	0	0	1
fragment	0	0	2
Rubus sp. (raspberry/blackberry)	0	0	1
Solanum rostratum (buffalobur)	0	0	1
Stellaria media (chickweed)	53	0	69
Trifolium sp. (clover)	1	0	6
Vicia sp. (vetch)	0	0	1
Vitis sp. (grape)	0	0	1
AMARANTHACEAE (piqweed family)	28	0	62
LEGUMINOSAE (bean family)	0	0	1
POACEAE (grass family)	0	0	4
unidentifiable seed coat fragment	0	0	1
presence/absence (Phase II analysis)	8 of 24	6 of 8	50 of 91
OTHER PLANT REMAINS (total count)	35	143	356
total weight (grams)	0.23	0.13	2.8
Amorphous carbon	34	143	307
Monocot stem fragment	1	0	3
Unidentifiable charcoal	0	0	5
coniferous bud fragment	0	0	1
Unidentifiable bud fragment	0	0	3
Unidentifiable rind fragment	0	0	20
Unidentifiable plant part	0	0	8
unidentifiable spherical specimen	0	0	1
Fungal fructification	0	0	1
Woody bud fragment	0	0	3
Hull fragment	0	0	2
Peduncle fragment	0	0	1