

Chapter 8

2010 Summaries of Shovel Test Pits, Core Samples, Units, and Features

Block 11 Shovel Test Pit Summaries

The following inventory describes the shovel test pits (STPs) excavated on Block 11, Lot 1 during the NSF REU field season of 2010. Locations are with reference to the town grid, indicating distance from a particular corner of the lot. For example “Block 11, Lot 1, NE W30” refers to a location 30 ft. west of the NE corner of Block 11, Lot 1. The location of each STP was determined using measuring tapes pulled from established grid points. Following excavation, the location of each STP was recorded using a total station.

Soil characteristics are described using standard nomenclature. Color codes refer to the Munsell Soil Color Chart. Artifacts listed are based on identifications made in the laboratory post excavation and may differ from the items and counts recorded on the original field forms.

These STPs were excavated by volunteers with the Illinois National Resources Conservation Service, under the supervision of Christopher Fennell and Sharon Santure, Illinois Archaeologist with the NRCS.

STP No. 001

Date excavated: 06/10/10. Excavator initials: TK

STP Location: Block 11, Lot 1, NE W30

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2 – 10YR 3/3, silty loam

0.5 ft. to 1.0 ft. – 10YR 5/6, silty clay loam

1.0 ft. to 1.5 ft. – 10YR 5/4, silty clay loam

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – no artifacts

0.5 ft. to 1.0 ft. – no artifacts

1.0 ft. to 1.5 ft. – no artifacts

STP No. 002

Date excavated: 06/10/10. Excavator initials: FH

STP Location: Block 11, Lot 1, NE W30 S10

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam

0.5 ft. to 1.0 ft. – 10YR 3/1 mottled with 40% 7.5YR 4/3, silty clay loam

1.0 ft. to 1.5 ft. – 10YR 4/3 mottled with 50% 10YR 5/2, silty clay loam

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – 1 mortar fragment

0.5 ft. to 1.0 ft. – no artifacts

1.0 ft. to 1.5 ft. – no artifacts

STP No. 003

Date excavated: 06/10/10. Excavator initials: DMD

STP Location: Block 11, Lot 1, NE W30 S20

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam

0.5 ft. to 1.0 ft. – 10YR 3/2, silty loam

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – 3 whiteware fragments, 1 mortar fragment, 1 slag fragment

0.5 ft. to 1.0 ft. – no artifacts

STP No. 004

Date excavated: 06/10/10. Excavator initials: CL

STP Location: Block 11, Lot 1, NE W30 S30

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam

0.5 ft. to 1.0 ft. – 10YR 3/2 mottled with 7.5YR 4/3, silty loam

1.0 ft. to 1.5 ft. – 7.5YR 4/3, silty loam

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – no artifacts

0.5 ft. to 1.0 ft. – 2 whiteware fragments, 1 wire nail shank

1.0 ft. to 1.5 ft. – no artifacts

STP No. 005

Date excavated: 06/10/10. Excavator initials: RS

STP Location: Block 11, Lot 1, NE W15

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam
0.5 ft. to 1.0 ft. – 10YR 3/3, silty clay loam
1.0 ft. to 1.5 ft. – 10YR 5/4, silty clay loam

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – 1 whiteware fragment
0.5 ft. to 1.0 ft. – no artifacts
1.0 ft. to 1.5 ft. – no artifacts

STP No. 006

Date excavated: 06/10/10. Excavator initials: JWF
STP Location: Block 11, Lot 1, NE W15 S10

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam
0.5 ft. to 1.0 ft. – 10YR 4/3 mottled with 10YR 5/5, silty clay loam
1.0 ft. to 1.5 ft. – 10YR 4/3

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – 1 chert fragment (worked)
0.5 ft. to 1.0 ft. – no artifacts
1.0 ft. to 1.5 ft. – no artifacts

STP No. 007

Date excavated: 06/10/10. Excavator initials: DTM
STP Location: Block 11, Lot 1, NE W15 S20

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam
0.5 ft. to 1.0 ft. – 10YR 4/3 [N.B.: water encountered at 0.5 ft.]

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – 1 cut nail shank
0.5 ft. to 1.0 ft. – no artifacts

STP No. 008

Date excavated: 06/10/10. Excavator initials: AB
STP Location: Block 11, Lot 1, NE W15 S30

Levels excavated:

0.0 ft. to 0.5 ft. – 10YR 3/2, silty loam

0.5 ft. to 1.0 ft. – 10YR 4/3, silty loam

Notes on artifacts recovered in each level:

0.0 ft. to 0.5 ft. – 1 mortar fragment, 1 cut nail shank

0.5 ft. to 1.0 ft. – 1 button (black glass)

Coring Survey Summaries

In the tables that follow, “Layer 1” should be taken to refer to cultural layers above the subsoil, including the plowzone. In some instances, layers given distinctive soil color designations in the field were merged into “Layer 1,” where the identified layers were clearly distinct from the undisturbed yellowish brown clays of subsoil.

Block 4, Lot 8, Anomaly A57

A single transect of 50 probes was used in the attempt to pinpoint the location of Anomaly A58 (see Chapter 2 for location maps and analysis). The probes were 1 in. in diameter and placed 1 ft. apart along the line B4L7 SW E65 (65 feet east of the southwest corner of Block 4 Lot 7, which also equates with 5 feet east of the southwest corner of Block 4, Lot 8). The northernmost of the probes (1) is located at B4L7 SW E65 N50; the southernmost probe (50) is located at B4L7 SW E65 N1. Michael Hargrave identified this anomaly in 2008 using electrical resistivity.

Probes 21, 22, and 23 have unusual characteristics (stratigraphic progression and depth of deposits) that might indicate the precise source of the anomalous readings.

CORE#	1ST LAYER, FT. BSL	2ND LAYER, FT. BSL	3RD LAYER, FT. BSL	4TH LAYER, FT. BSL	5TH LAYER, FT. BSL
1	0 - 1.40	1.40 - 2.00	2.00 - 2.60		
2	0 - 1.10	1.10 - 1.90	1.90 - 2.40	2.40 - 2.70	
3	0 - 1.00	1.00 - 1.50	1.50 - 2.30		
4	0 - 1.20	1.20 - 2.00	2.00 - 2.60		
5	0 - 1.15	1.15 - 1.55	1.55 - 1.80	1.80 - 2.80	
6	0 - 1.25	1.25 - 2.05	2.05 - 2.85		
7	0 - 1.00	1.00 - 1.80	1.80 - 2.60		
8	0 - 1.05	1.05 - 2.65			
9	0 - 0.95	0.95 - 1.30	1.30 - 2.60		
10	0 - 1.10	1.10 - 2.10	2.10 - *		
11	0 - 1.00	1.00 - 1.50	1.50 - 2.05	2.05 - 2.40	
12	0 - 1.25	1.25 - 1.80	1.80 - 2.40		
13	0 - 0.90	0.90 - 1.60	1.60 - 2.50		
14	0 - 0.90	0.90 - 1.60	1.60 - *		
15	0 - 0.50	0.50 - 0.70	0.70 - 0.95	0.95 - 1.50	1.50 - 2.25
16	0 - 0.90	0.90 - 1.60	1.60 - *		
17	0 - 1.44	1.44 - 3.00			
18	0 - 1.30	1.30 - 1.60	1.60 - 2.10		
19	0 - 1.31	1.31 - 2.84			
20	0 - 1.00	1.00 - 2.00	2.00 - 2.75		
21	0 - 3.00				
22	0 - 2.60				
23	0 - 2.90				
24	0 - 0.52	0.52 - 1.03	1.03 - 1.28	1.28 - 2.03	
25	0 - 0.81	0.81 - 1.62	1.62 - 2.17		

* final depth of probe not recorded

CORE#	1ST LAYER, FT. BSL	2ND LAYER, FT. BSL	3RD LAYER, FT. BSL	4TH LAYER, FT. BSL	5TH LAYER, FT. BSL
26	0 - 0.56	0.56 - 1.10	1.10 - 1.49	1.49 - 2.11	
27	0 - 0.60	0.60 - 0.92	0.92 - 2.72		
28	0 - 1.17	1.17 - 1.61	1.61 - 2.03		
29	0 - 1.17	1.17 - 2.24			
30	0 - 0.70	0.70 - 0.85	0.85 - 2.10	2.10 - *	
31	0 - 0.80	0.80 - 1.40	1.40 - 2.25		
32	0 - 0.80	0.80 - 2.10			
33	0 - 1.30	1.30 - 2.20	2.20 - *		
34	0 - 1.30	1.30 - 2.00	2.00 - *		
35	0 - 1.20	1.20 - 2.00	2.00 - *		
36	0 - 1.20	1.20 - 2.00	2.00 - *		
37	0 - 1.20	1.20 - 2.00	2.00 - *		
38	0 - 1.40	1.40 - 2.00	2.00 - *		
39	0 - 1.00	1.00 - 1.80	1.80 - *		
40	0 - 1.30	1.30 - 2.00	2.00 - *		
41	0 - 1.30	1.30 - 2.20	2.20 - *		
42	0 - 1.20	1.20 - 2.20	2.20 - *		
43	0 - 1.25	1.25 - 2.20	2.20 - *		
44	0 - 1.20	1.20 - 2.25	2.25 - *		
45	0 - 1.50	1.50 - 2.50	2.50 - *		
46	0 - 1.10	1.10 - 2.15	2.15 - *		
47	0 - 1.50	1.50 - 2.30	2.30 - *		
48	0 - 1.50	1.50 - *			
49	0 - 0.85	0.85 - 1.15	1.15 - *		
50	0 - 1.10	1.10 - 2.20	2.20 - *		

Block 4, Lot 7, Anomaly A58

Excavators used a single transect of 19 probes to identify the location of Anomaly A58 (see Chapter 2 for location map and analysis). The probes were 1 in. in diameter and placed 1 ft. apart along the line B4L7 SW E65 (65 feet east of the southwest corner of Block 4 Lot 7). The northernmost of the probes (1) is located at B4L7 SW E30 N65; the southernmost probe (19) is at B4L7 SW E30 N47. Michael Hargrave identified this anomaly in 2008 using electrical resistivity.

Probes 1 and 2, as well as 14, 16, and 17, have unusual characteristics that might indicate the precise location of the anomaly.

CORE#	1ST LAYER, FT. BSL		2ND LAYER, FT. BSL	
	0	-		-
1	0	-	2.11	2.11 - 2.80
2	0	-	1.08	1.08 - 2.97
3	0	-	0.58	0.58 - 2.58
4	0	-	0.65	0.65 - 2.65
5	0	-	0.71	0.71 - 2.62
6	0	-	0.65	0.65 - 2.79
7	0	-	0.48	0.48 - 2.92
8	0	-	0.32	0.32 - 2.94
9	0	-	0.53	0.53 - 2.18
10	0	-	1.00	1.00 - 2.56
11	0	-	0.51	0.51 - 2.55
12	0	-	0.44	0.44 - 3.00
13	0	-	0.44	0.44 - 3.00
14	0	-	0.37	0.37 - 3.00
15	0	-	0.27	0.27 - 3.00
16	0	-	0.67	0.67 - 2.36
17	0	-	1.15	1.15 - 2.25
18	0	-	0.80	0.80 - 2.80
19	0	-	0.27	0.27 - 2.75

Block 13, Lot 3, Anomaly A21

Excavators used four transects of ten probes each to explore the area of Anomaly A58 (see Chapter 2 for location map and analysis). Michael Hargrave identified this anomaly in 2004 using electrical resistivity. The probes were 1 in. in diameter and placed 1 ft. apart. The transects are numbered south to north, with the probes numbered east to west. Transect T-1 is along the line B13L3 SW N19 (19 feet north of the southwest corner of Block 13 Lot 3). Transect T-2 is at B13L3 SW N20; T-3 is at B13L3 SW N26; T-4 is at B13L3 SW N27. Each transect of ten probes starts at B13L3 SW E47 and runs to B13L3 SW E56.

The plowzone appears to be unusually shallow at Probe T-3 1, however the notes for this probe do not indicate a specific depth bsl for the transition to subsoil, and the depth of 1.0 ft. has been assumed from the configuration of the soil color notations. Of greater interest are the probes T-1 6 and T-1 7. The former was obstructed by an impenetrable substance or object at 0.9 ft. bsl. Probe T-1 7, immediately adjacent, the transition to sterile subsoil is unusually deep below the surface.

TRANSECT	CORE#	1ST LAYER, FT. BSL	2ND LAYER, FT. BSL	3RD LAYER, FT. BSL
T-1	1	0 - 1.75	1.75 - 2.80	
T-1	2	0 - 1.60	1.60 - 2.80	
T-1	3	0 - 1.50	1.50 - 2.20	2.20 - 2.80
T-1	4	0 - 1.75	1.75 - 2.00	2.00 - 2.80
T-1	5	0 - 1.40	1.40 - 2.00	2.00 - 2.70
T-1	6	0 - "0.90"		
T-1	7	0 - 2.00	2.00 - 3.00	
T-1	8	0 - 1.40	1.40 - 2.00	
T-1	9	0 - 1.70	1.70 - 2.00	2.00 - 2.70
T-1	10	0 - 1.50	1.50 - 1.90	1.90 - 2.50
T-2	1	0 - 1.80	1.80 - 2.05	2.05 - 2.80
T-2	2	0 - 1.60	1.60 - 2.00	2.00 - 2.80
T-2	3	0 - 1.90	1.90 - 2.80	
T-2	4	0 - 1.70	1.70 - 2.00	2.00 - 2.80
T-2	5	0 - 1.80	1.80 - 2.10	2.10 - 2.80
T-2	6	0 - 1.75	1.75 - 2.10	2.10 - 2.80
T-2	7	0 - 1.50	1.50 - 2.00	2.00 - 2.80
T-2	8	0 - 1.30	1.30 - 2.00	2.00 - 3.00
T-2	9	0 - 1.50	1.50 - 2.00	2.00 - 2.80
T-2	10	0 - 1.40	1.40 - 1.90	1.90 - 2.80

TRANSECT	CORE#	1ST LAYER, FT. BSL	2ND LAYER, FT. BSL	3RD LAYER, FT. BSL
T-3	1	0 - 1.00	1.00 - 2.00	2.00 - 2.80
T-3	2	0 - 1.60	1.60 - 2.80	
T-3	3	0 - 1.80	1.80 - 2.80	
T-3	4	0 - 1.60	1.60 - 2.80	
T-3	5	0 - 1.60	1.60 - 2.80	
T-3	6	0 - 1.60	1.60 - 2.80	
T-3	7	0 - 1.50	1.50 - 2.00	2.00 - 2.80
T-3	8	0 - 1.40	1.40 - 2.00	2.00 - 2.80
T-3	9	0 - 1.80	1.80 - 2.10	2.10 - 2.80
T-3	10	0 - 1.70	1.70 - 2.00	2.00 - 2.80
T-4	1	0 - 1.70	1.70 - 2.80	
T-4	2	0 - 1.80	1.80 - 2.80	
T-4	3	0 - 1.60	1.60 - 2.80	
T-4	4	0 - 1.60	1.60 - 2.80	
T-4	5	0 - 1.60	1.60 - 2.80	
T-4	6	0 - 1.60	1.60 - 2.80	
T-4	7	0 - 1.60	1.60 - 2.80	
T-4	8	0 - 1.60	1.60 - 2.80	
T-4	9	0 - 1.60	1.60 - 2.70	
T-4	10	0 - 1.60	1.60 - 2.80	

Block 12 Unit Summaries

Anna Agbe-Davies, Meaghan Alston, Blair Starnes, Tyquin Washington, and Margaret Wolf.

Block 12 Lot 4 EU 1

Excavations commenced on Block 12 Lot 4 following several lines of evidence. Shovel tests excavated in 2005 indicated a concentration of artifacts on that block, from Lots 1-4, sufficient to warrant further investigation (Fennell 2006). The shovel tests were 12 inches in diameter and excavated in 0.5 foot arbitrary increments. Excavators placed the tests at 20 foot intervals across Block 12 Lots 1-6. Shovel Test Pits (STPs) 46 and 48 each had more than two architectural artifacts and more than two fragments of nineteenth-century ceramics, distinguishing them from STPs to the west and north. This portion of the lot was also attractive given that it was an opportunity to explore potential sites along Ann Street (to the west), whereas previous seasons had seen extensive exploration along Main Street (to the north). Excavation Unit (EU) 1 was placed midway between STPs 46 and 48, 25 feet north and 15 feet east of the southwest corner of Block 12 Lot 4.

“At long last we opened up our unit on Friday. The first step was to pull back the sod then going down in increments of .5 decimal feet. The shovel test pit yielded very similar artifacts to what we are finding in our unit.”

- Meaghan Alston [NSF-REU student]

Excavators began Level A1 as an arbitrary level of 0.5 ft. The ground surface in EU slopes slightly from west to east. Level A1's average opening elevation is 761.048 ft. above mean sea level (amsl). The average closing elevation is 760.701 ft. amsl. The level consists of sediment that is Munsell code 10YR 3/2 (very dark grayish brown) with a sandy loam texture. Historic artifacts uncovered in the level included: glass fragments; ceramic fragments (whiteware and black-glazed redware); slag; brick fragments; metal fragments; slag; and mortar. There was also a fragment of Styrofoam (terminus post quem: 1962), indicating how recently the area has been plowed or otherwise disturbed.

“I found a piece of brick in our journey to the second level. It's my first artifact that I've found in my whole life. This will be a hoot when I tell my professor”

-Tyquin Washington [NSF-REU student]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation is 760.701 ft. amsl. The average closing elevation is 760.297 ft. amsl. The level's sediments are a mixture of Munsell colors 7.5YR 3/2 and 10YR 3/2 (dark brown and dark grayish brown) with a loamy sand texture. Excavators recovered a larger number of historic artifacts in this layer including: brick; mortar; slag, metal fragments; ceramic fragments; and glass fragments. The artifacts also included several possible prehistoric (chipped stone) artifacts.

“Today we found more of the soil color change that Tyquin and Blair were seeing yesterday... We were moving slow because the soil was moist and we kept thinking we were closer to the change in soil color.”

- Margaret Wolf [NSF-REU student]

Level A3 was an arbitrary layer of 0.5 ft. that included both plowzone and the transition to subsoil in an effort to identify the characteristics of sterile soil in this portion of the townsite. The average opening elevation of Level A3 is 760.297, with an average closing elevation of 759.841 ft. amsl. The plowzone portion remained Munsell color 10YR3/2 (dark grayish brown), while the subsoil was 10YR 4/6 (dark yellowish brown). The plowzone may continue to be characterized as loam mixed with sand, while the subsoil is more of a clay loam. Historic artifacts were identified only in the upper reaches of A3 (i.e.: the plowzone): glass; mortar; nail fragments; brick fragments; slate; and coal. The dividing line between plowzone and subsoil appears in the north sidewall between 1.05 and 1.3 ft. below the EU 1 datum (northwest corner). The transition to subsoil was also marked during excavation by the decreasing amount of chert and an increase in iron and manganese mottling.

NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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BLOCK 12, LOT 4
 EXCAVATION UNIT 1

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	10 YR 3/2	SANDY LOAM	761.048	760.701	Extensive root mat, but with artifacts just below the surface. A dark grayish brown sandy loam.
I	A2	PLOWZONE	10 YR 3/2 and 7.5 YR 3/2	LOAMY SAND	760.701	760.297	Same as A1 above, but with fewer roots and significantly more artifacts, especially architectural items.
I/B	A3	PLOWZONE/ SUBSOIL	10 YR 4/6	LOAM / CLAY	760.297	759.841	Gradual transition to subsoil, very few artifacts, even in upper portion. Mineral mottling becomes noticeable 1.2-1.3 ft. from the surface.

Block 12 Lot 3 EU 1

Excavation of Block 12 Lot 3 was designed to further explore artifact concentrations identified during a shovel test pit (STP) survey conducted in 2005 (Fennell 2006). Excavators recovered significant numbers of architectural artifacts and nineteenth century ceramics in STPs 4, 15, 16, and 17 in the northern portion of the lot. These STPs also reported subsoil appearing at a greater depth than the surrounding pits, perhaps an indicator of features below the plowzone. The archaeologists decided to place the excavation units in an area bounded by the STPs of interest. The exact location was determined by the use of dowsing rods, with the idea that this would be an opportunity to ground truth this controversial technique. EU 1 is located 20 ft. south and 15 ft. east of the northwest corner of Block 12 Lot 3.

“[The] rods supposedly react to different magnetic fields in the earth. Holding loosely parallel to each other, you watch to see if they cross...I wonder how it works in a scientific sense.”

- Tyquin Washington [NSF-REU student]

Excavation of the first level, A1, began as an arbitrary level of 0.5 ft. Level A1's average opening elevation is 756.687 ft. above mean sea level (amsl). The average closing elevation is 756.362. The level is composed of 10YR 3/2 (dark grayish brown) loamy sediments that were extraordinarily sticky due to wet conditions (see below). Historic artifacts recovered include: ceramic fragments; charcoal; slag; brick fragments; mortar; metal fragments; and nails. Excavators also identified several possible prehistoric (flaked stone) artifacts.

“The soil was so damp that it was easier to go through the dirt with water than just trying to dry screen. We did that, got soaked, and were able to level out all of Unit 1 and shoot the points.”

- Margaret Wolf [NSF-REU student]

The unit is down slope from B12L4 EU 1, in an area that is much flatter and retains a great deal of water, both runoff from the hill to the west and water draining through the soil. Excavators water screened (1/4 inch mesh) much of the sediment, as it was too wet for ordinary screening. Rain fell so frequently that the unit was impossible to excavate completely. Level A2 commenced at 756.362 ft. amsl, but was quickly abandoned.

NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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BLOCK 12, LOT 3
 EXCAVATION UNIT 1

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	10YR 3/2	SANDY LOAM	756.687	756.362	The sediment exhibits gray mottling throughout and is clearly rich in organics--very strong smelling following a rain. Excavators noticed a concentration of artifacts along the southern edge of the unit. Overall, artifacts dominated by architectural fragments (brick, mortar)
I	A2	PLOWZONE	10YR 3/2	LOAMY CLAY	756.362	N/A	This level was begun, but not completed, due to the continual soaking by frequent rains. The artifacts recovered are dominated by brick fragments and glass.

Block 12 Lot 3 EU 2

Excavation of Block 12 Lot 3 was intended to further explore artifact concentrations identified during a 2005 shovel test pit (STP) survey (Fennell 2006). Notable numbers of architectural artifacts and nineteenth century ceramics came from STPs 4, 15, 16, and 17 in the northern portion of Lot 3. These STPs also tended to report subsoil appearing at a greater depth than the surrounding pits, which might mean that features existed below the plowzone in those locations. Excavators wanted to place EU 2 in an area bounded by the STPs of interest. The exact location was selected using dowsing rods, with the idea of ground truthing this controversial technique. EU 2 is located immediately north and west of EU 1: 15 ft. south and 10 ft. east of the northwest corner of Block 12 Lot 3.

Level A1 was opened as an arbitrary level of 0.5 ft in the sod and plowzone layer. Level A1's average opening elevation is 756.938 ft. above mean sea level (amsl) and average closing elevation is 756.695 ft. amsl. The level is composed of sediment that is Munsell code 10YR 3/2 (dark grayish brown) with a sandy loam texture that was nonetheless very sticky due to frequent soaking. Historic artifacts were uncovered in the level including: brick fragments; ceramic fragments; flat glass; container glass; nails; mortar; and slag).

“There are also more large pieces of brick and mortar in the unit and we continue scraping soil along the way. Maybe we will find a feature. Here's hopin'!”

- Tyquin Washington [NSF-REU student]

Excavators began A2 as an arbitrary level of 0.5 feet, but stopped when the sediments became too waterlogged to excavate without damage to the unit. The sediment was again a 10YR 3/2 (dark grayish brown) sandy loam. Artifacts included: ceramic fragments; glass fragments; nails and brick fragments.

“Our unit is still flooded so we are helping Teams Y and Z with screening and digging again...Afternoon and our unit is still flooded.”

- Margaret Wolf [NSF-REU student]

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BLOCK 12, LOT 3
 EXCAVATION UNIT 2

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	10YR 3/2	SANDY LOAM	756.938	756.695	This level was a sandy loam that was unusually sticky due to frequent soaking. Architectural fragments dominated the artifact assemblage.
I	A2	PLOWZONE	10YR 3/2	LOAMY CLAY	756.695	N/A	Archaeologist only just began excavation of this level before it had to be abandoned. Among the few artifacts recovered were fragments of whiteware and yellowware, and several brick and nail fragments.

Block 13 Lot 3 Unit Summaries

Keishaia Griffith, Sedrie Hart, Terrance Martin, and John Schultz

Block 13 Lot 3 EU 11

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.424 ft. above mean sea level (amsl). The average closing elevation was 770.032 ft. amsl. The soil in Level A1 consisted of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: glass fragments (n=199), ceramic fragments (n=91), slag, brick fragments, metal fragments, slate, bone, charcoal, nails (n=66), and mortar.

"I screened the first layer of soil and found lots of milk glass"

-Keishaia Griffith [NSF-REU student]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 770.032 ft. amsl. The average closing elevation was 769.525 ft. amsl. A2s soils were a mixture of Munsell colors 7.5YR 3/2 (dark brown) and mottled with 7.5 YR 4/4 (brown) with a clay loam texture. Excavators recovered a larger number of historic artifacts in this layer including: brick (n=102), mortar, slag, slate, metal fragments, metal lid, bolts (n=3), ceramic fragments (n=67), glass fragments (n=179), bone, pipe stem, a 1905 Penny, and a metal Civil War Union uniform button. The artifacts also included several possible prehistoric (chipped stone) artifacts.

"The team discovered a 1905 penny"

-Terrance Martin [Crew Chief]

Level A3 was terminated at the base of the plow zone. The average opening elevation of Level A3 was 769.525, with an average closing elevation of 769.332 ft. amsl. The plowzone portion remained Munsell color 7.5 YR3/2 (dark brown) mottled with 7.5 YR 4/4, while the sub-plow zone in the floor of Level A3 was 7.5 YR 3/2 (dark brown) mottled with 7.5 YR 4/6 (strong brown). The plowzone continued to be characterized as clay loam, while the sub-plow zone was more of a silty clay loam. Historic artifacts identified were glass (n=40), mortar, nails (n=33), brick fragments, ceramics (n=12), charcoal, bone, plastic, and metal fragments including a railroad spike.

"Many artifacts, mostly nails and brick"

-John Schultz [NSF-REU student]

Excavators began Level B1 as an arbitrary level of 0.5 ft. Level B1's average opening elevation was 769.332 ft. above mean sea level (amsl). The average closing elevation was 768.954 ft. amsl. The soil in Level B1 consist of 7.5 YR 3/3 (dark brown) in the northern section of the unit outside of Anomaly 25, and clay loam texture and 7.5 YR 4/4 (brown) inside of Anomaly 25. Artifacts discovered in the level included: glass fragments (n=24), ceramic fragments (n=11), slag, mortar, brick fragments, bone, metal fragments, charcoal, and nails (n=24).

“Not many artifacts but we think we found the anomaly”

-Keishaia Griffith [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 11

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5 YR 3/2	CLAY/ LOAM	770.424	770.032	Plow zone with large amounts of glass
I	A2	PLOWZONE	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	770.032	769.525	Civil War uniform button and 1905 penny were discovered with increased amounts of brick
I/B	A3	PLOWZONE/ SUBSOIL	7.5 YR 3/2 mottled w/ 7.5 YR 4/6	CLAY/ LOAM	769.525	769.332	Soil mottling begins with decreased numbers of artifacts
II	B1	SUBSOIL	7.5 YR 3/3 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.332	768.954	Continued decreased numbers of artifacts as the top of Anomaly 25 is discovered

Block 13 Lot 3 EU 12

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.326 ft. above mean sea level (amsl). The average closing elevation was 769.885 ft. amsl. The soil in Level A1 consisted of 7.5 YR 3/2 (dark brown) with silty clay loam texture. Historic artifacts uncovered in the level included: glass fragments (n=153), ceramic fragments (n=56), slag, brick fragments, metal fragments, slate, bone, charcoal, nails (n=91), and mortar.

"We found lots of glass and nails in A1"

- Keishaia Griffith [NSF-REU student]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.885 ft. amsl. The average closing elevation was 769.414 ft. amsl. A2's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 4/4 YR (brown). Excavators recovered a larger number of historic artifacts in this layer including: brick (n=87), mortar, slag, slate, charcoal, metal fragments, leather fragments, ceramic fragments (n=67), nails (n=36), glass fragments (n=180), and bone.

"Uncovered hints of 4/4 clay loam similar to EU11"

- John Schultz [NSF-REU student]

Excavators halted Level A3 at the base of the plow zone. The average opening elevation of Level A3 was 769.414, with an average closing elevation of 769.114 ft. amsl. The plowzone portion remained Munsell color 7.5 YR 2.5/3 (very dark brown) clay loam mottled with 7.5 YR 5/6 (strong brown). Historic artifacts identified were glass (n=55), mortar, nails (n=40), brick fragments, ceramics (n=18), charcoal, bone, plastic, slag, and metal fragments.

"We don't know what we are seeing, hopefully it is something and not nothing"

- Keishaia Griffith [NSF-REU student]

Level B1 was excavated to the surface of Anomaly 25. Level B1's average opening elevation was 769.114 ft. above mean sea level (amsl). The average closing elevation was 768.988 ft. amsl. The soil in Level B1 consisted of 7.5 YR 3/2 (dark brown) loamy clay mottled with 7.5 YR 4/4 (brown) along the north and west edges of the unit. Artifacts discovered in the level included: glass fragments (n=99), ceramic fragments (n=11), slag, mortar, brick fragments, bone, metal fragments, charcoal, nails (n=86), and limestone fragments.

"Informed guesses of the anomaly is a cistern or refuse pit"

- John Schultz [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 12

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. Amsl</u>	<u>closing elev. Amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5 YR 3/2	SITLY CLAY LOAM	770.326	769.885	Silty Loam plowzone with a heavy concentration of glass and nails
I	A2	PLOWZONE	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.885	769.414	Brick and glass dominate A2
I/B	A3	PLOWZONE/ SUBSOIL	7.5 YR 2.5/3 mottled w/ 7.5 YR 5/6	CLAY/ LOAM	769.414	769.114	Soil turned darker and while artifacts diminish
II	B1	SUBSOIL	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	LOAMY/ CLAY	769.114	768.988	Soil became mottled and the historic artifact density increased

Block 13 Lot 3 EU 13

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.334 ft. above mean sea level (amsl). The average closing elevation was 769.930 ft. amsl. The soil in Level A1 consist of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: glass fragments (n=127), ceramic fragments (n=49), slag, brick fragments, metal fragments, slate, bone, charcoal, nails (n=55), ammunition casing, and mortar.

"We staked out EU 13 immediately East and adjacent to EU 11 and 12"

- Terrance Martin [Crew Chief]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.930 ft. amsl. The average closing elevation was 769.410 ft. amsl. A2's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 YR 4/4 (brown). Excavators recovered numerous historic artifacts in this layer including: brick (n=65), mortar, slag, slate, charcoal, metal fragments, a water valve, hinge fragments, plastic fragments, ceramic fragments (n=64), pipe bowls (n=2), nails (n=155), glass fragments (n=252), and bone.

"Rain turned the site into mud, lots of hard work"

- Keishaia Griffith [NSF-REU student]

Excavators halted Level B1 at the top of the soil change associated with Anomaly 25. The average opening elevation of Level B1 was 769.410, with an average closing elevation of 769.111 ft. amsl. The plowzone portion remained Munsell color 7.5 YR 3/2 (dark brown) clay loam mottled with 7.5 YR 4/4 (brown). Historic artifacts identified were glass (n=67), mortar, nails (n=59), brick fragments, ceramics (n=31), charcoal, bone, slag, limestone and metal fragments.

"The circular outline is lighter soil about 8-inches from inside to out"

- John Schultz [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 13

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5 YR 3/2	CLAY/ LOAM	770.334	769.930	Dark brown soil and heavy artifact density
I	A2	PLOWZONE	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.930	769.410	Soil mottling begins in A2 and historic artifacts increase from A1
II	B1	PLOWZONE/ SUBSOIL	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.410	769.111	Soil remained mottled, artifacts decrease from A2 but charcoal increases.

Block 13 Lot 3 EU 14

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.308 ft. above mean sea level (amsl). The average closing elevation was 769.936 ft. amsl. The soil in Level A1 consisted of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: glass fragments (n=54), ceramic fragments (n=28), slag, brick fragments, metal fragments, slate, bone, charcoal, nails (n=28), plastic, and mortar.

“EU 14 is a 2.5x5 foot unit north of unit EU 13”

- Keishaia Griffith [NSF-REU student]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.936 ft. amsl. The average closing elevation was 769.460 ft. amsl. A2's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 YR 4/4 (brown). Excavators recovered numerous historic artifacts in this layer including: brick (n=33), mortar, slag, slate, charcoal, metal fragments, metal hinge fragments, ammunition casing, plastic fragments, ceramic fragments (n=25), nails (n=68), and glass fragments (n=98).

“NRCS training workshop helped screen the soils today”

- John Schultz [NSF-REU student]

Archaeologists excavated Level B1 as an arbitrary layer of 0.5 ft. Level B1's average opening elevation was 769.460 ft. amsl. The average closing elevation was 769.057 ft. amsl. B1's soils are a mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 4/4 YR (brown). Excavators recovered a larger number of historic artifacts in this layer including: brick (n=87), mortar, slag, charcoal, metal fragments, ceramic fragments (n=8), nails (n=18), and glass fragments (n=33).

“We took EU 14 to the circular feature”

- Terrance Martin [Crew Chief]

Level B2 was excavated to expose the west profile of Feature 40. The average opening elevation of Level B2 was 769.057, with an average closing elevation of 768.124 ft. amsl. The Munsell color was 7.5 YR 3/2 (dark brown) clay loam mottled with 7.5 YR 4/4 (brown). Historic artifacts identified were glass (n=1), nails (n=1), brick fragments, ceramics (n=1).

“B2 was dug to show Feature 40's profile”

- Keishaia Griffith [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 14

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. Amsl</u>	<u>closing elev. Amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5 YR 3/2	CLAY/ LOAM	770.308	769.936	Clay loam plowzone with fewer artifacts than previous units
I	A2	PLOWZONE	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.936	769.460	Plowzone became mottled. Historic artifacts are in the unit to include ammunition casings.
II	B1	PLOWZONE/ SUBSOIL	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.460	769.057	Similar to other units charcoal became visible.
II	B2	SUBSOIL	7.5 YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.057	768.124	Few artifacts are discovered, soil mottling indicates the top of the feature.

Block 13 Lot 3 EU 15

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.241 ft. above mean sea level (amsl). The average closing elevation was 769.831 ft. amsl. The soil in Level A1 consist of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: mortar, brick, metal fragments, nails (n=35), metal hardware, slate, glass, (n=58), slag, ceramics (n=28), and charcoal.

“Hopefully EU 15 will exposed the southeastern extent of the feature”

- Terrance Martin [Crew Chief]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.831 ft. amsl. The average closing elevation was 769.294 ft. amsl. A2's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture. Excavators recovered the following historic artifacts in this layer: brick, mortar, slag, slate, charcoal, metal fragments, metal hinge fragments, ceramic insulator, plastic, bone, ceramic fragments (n=32), nails (n=65), boot eyelet, and glass fragments (n=76).

“Rain continued but we were able to finish A2 today”

- John Schultz [NSF-REU student]

Archaeologists excavated Level B1 to the top of Anomaly 25. Level B1's average opening elevation was 769.294 ft. amsl. The average closing elevation was 769.144 ft. amsl. B1's soils were a mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 4/4 YR (brown). Historic artifacts in this layer included: brick (n=30), mortar, slag, charcoal, metal fragments, hardware nut, ceramic fragments (n=11), pencil lead, limestone, nails (n=40), and glass fragments (n=41).

“The border color is nearly orange”

- Keishaia Griffith [NSF-REU student]

Level B2 was excavated as an arbitrary layer of 0.5 ft. to expose the west profile of Feature 40. The average opening elevation of Level B2 was 769.144, with an average closing elevation of 768.249 ft. amsl. The Munsell color was 7.5 YR 3/2 (dark brown) clay loam mottled with 7.5 YR 4/4 (brown). Historic artifacts identified were a bolt (n=1) a partially articulated intrusive skeleton from an Eastern Mole.

“The profile of Feature 40 was exposed in B2”

- Keishaia Griffith [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 15

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. Amsl</u>	<u>closing elev. Amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5YR 3/2	CLAY/ LOAM	770.241	769.831	Clay loam plowzone contains glass, ceramics and nails.
I	A2	PLOWZONE	7.5YR 3/2	CLAY/ LOAM	769.831	769.294	Metal hardware and a ceramic insulator were discovered in this layer.
II	B1	PLOWZONE/ SUBSOIL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.294	769.144	Mottled soil contained green flecks of limestone, brick, and glass.
II	B2	SUBSOIL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.144	768.249	A rodent burrow is discovered near the bottom of the unit.

Block 13 Lot 3 EU 16

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.168 ft. above mean sea level (amsl). The average closing elevation was 769.834 ft. amsl. The soil in Level A1 consisted of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: bone, mortar, brick (n=32), slag, milk glass button, metal fragments, nails (n=31), glass (n=79), ceramics (n=21), and charcoal.

"We staked out EU 16 as a 2.5x5ft unit west of EU 15"

- Keishaia Griffith [NSF-REU student]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.834 ft. amsl. The average closing elevation was 769.323 ft. amsl. A2's soil was of Munsell color 7.5YR 3/2 (dark brown) with a clay loam texture. Excavators recovered the following historic artifacts in this layer: hardware bolts, hardware rivet, nails (n=62), brick, (n=28), mortar, glass (n=82), slag, .22 rifle casing, metal lid, ceramics (n=30), bone, shell, and charcoal.

"Plenty of nails, brick, and even rifle casing in the unit"

- Keishaia Griffith [NSF-REU student]

Archaeologists excavated Level B1 to the top of Anomaly 25. Level B1's average opening elevation was 769.323 ft. amsl. The average closing elevation was 769.144 ft. amsl. B1's soils are a mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 4/4 YR (brown) clay loam. Historic artifacts in this layer included: brick, mortar, slate, nails (n=47), hardware bolt, metal fragments, slag, charcoal, glass (n=45), a glass decanter stopper, agateware doorknob, bone, ceramics (n=22).

"The soils in EU 16 seem to be doing their own thing"

- Keishaia Griffith [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 16

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5YR 3/2	CLAY/ LOAM	770.168	769.834	Clay loam plowzone contained brick, slag, and mortar.
I	A2	PLOWZONE	7.5YR 3/2	CLAY/ LOAM	769.834	769.323	Charcoal, bone, and shell are situated in the plowzone.
II	B1	PLOWZONE/ SUBSOIL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.323	769.144	An agateware doorknob and glass decanter were discovered among the historic artifacts

Block 13 Lot 3 EU 17

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.141 ft. above mean sea level (amsl). The average closing elevation was 769.709 ft. amsl. The soil in Level A1 consisted of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: ceramics (n=16), glass (n=48), a milk glass button, hardware buckle, hardware nut and bolt, metal fragments, nails (n=27), slag, charcoal, brick and bone.

“We opened another unit in hopes to discover the extent of the feature”

- Terrance Martin [Crew Chief]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.709 ft. amsl. The average closing elevation was 769.146 ft. amsl. A2's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 YR 4/4 (brown) clay loam. Excavators recovered the following historic artifacts in this layer: nails (n=47), metal fragments, slag, bone, glass (n=71), ceramics (n=36), brick, charcoal, mortar, plastic, slate, and a button.

“A2 has mottled soil near the floor of the unit”

- John Schultz [NSF-REU student]

Archaeologists excavated Level B1 to the top of Anomaly 25. Level B1's average opening elevation was 769.146 ft. amsl. The average closing elevation was 768.856 ft. amsl. B1's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 4/4 YR (brown) clay loam. Historic artifacts in this layer included: nails (n=15), glass (n=14), brick, ceramic (n=3), bone, mortar, and charcoal.

“B1 in EU 17 and 18 exposed the entire surface of Feature 40”

- Keishaia Griffith [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 17

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>Description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5YR 3/2	CLAY/ LOAM	770.141	769.709	The plowzone contained metal hardware to include a clothing buckle.
I	A2	PLOWZONE	7.5YR 3/2	CLAY/ LOAM	769.709	769.146	Nails and glass dominate the mottled clay loam soil.
II	B1	PLOWZONE/ SUBSOIL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.146	768.856	Mottled soil indicated the top of Feature 40.

Block 13 Lot 3 EU 18

Excavators began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation was 770.134 ft. above mean sea level (amsl). The average closing elevation was 769.649 ft. amsl. The soil in Level A1 consisted of 7.5 YR 3/2 (dark brown) with clay loam texture. Historic artifacts uncovered in the level included: ceramics (n=29), ceramic insulator, glass (n=74), nails (n=28), hardware washer, metal fragments, brick, slag, mortar, charcoal, plastic, bone, and a tooth.

"We found a ceramic insulator in the plow zone today"

- John Schultz [NSF-REU student]

The team began excavation of Level A2 as an arbitrary layer of 0.5 ft. Level A2's average opening elevation was 769.649 ft. amsl. The average closing elevation was 769.200 ft. amsl. A2's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with 7.5 YR 4/4 (brown) uniform clay loam texture. Excavators recovered the following historic artifacts in this layer including: charcoal, brick, metal fragments, nails (n=60), mortar, glass (n=46), ceramics (n=28).

"A2 was dug pretty quickly, mostly ceramics and nails"

- Keishaia Griffith [NSF-REU student]

Archaeologists excavated Level as an arbitrary layer of 0.5 ft. Level B1's average opening elevation was 769.200 ft. amsl. The average closing elevation was 768.853 ft. amsl. B1's soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 4/4 YR (brown). Historic artifacts in this layer included: thimble, unidentified brass object, rivet, slate, ceramics (n=3), glass (n=12), metal fragments, charcoal, brick, and nails (n=25).

"B1 does not show the feature, we will have to keep scraping"

- Keishaia Griffith [NSF-REU student]

Level B2 was excavated as an arbitrary layer of 0.5 ft. to expose the west profile of Feature 40. The average opening elevation of Level B2 was 769.853, with an average closing elevation of 768.264 ft. amsl. The Munsell color was 7.5 YR 3/2 (dark brown) clay loam. The only artifacts in Level B2 were two small brick fragments.

"The feature can be seen in EU 18 so we terminated the level"

- John Schultz [NSF-REU student]

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BLOCK 13, LOT 3
 EXCAVATION UNIT 18

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. Amsl</u>	<u>closing elev. Amsl</u>	<u>description</u>
I	A1	SOD LAYER/ PLOWZONE	7.5YR 3/2	CLAY/ LOAM	770.134	769.649	The top of the plowzone contained more hardware and another ceramic insulator.
I	A2	PLOWZONE	7.5YR 3/2	CLAY/ LOAM	769.649	769.200	Soil became mottled while the unit continued to produce ceramics, nails, and glass.
II	B1	PLOWZONE/ SUBSOIL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.200	768.853	Historical artifacts such as a thimble and a boot eyelet were situated in the unit.
II	B2	SUBSOIL	7.5YR 3/2	CLAY/ LOAM	768.853	768.264	Only two brick fragments were discovered as the team uncovered the top of Feature 40.

Block 13 Lot 3 Feature 40 EU 13 and EU 15

Archaeologists selected to bisect the eastern section of Feature 40. The eastern bisect is situated within EU 13 and EU 15. The descriptions of the excavation that follow encompass the layers which exist in both EU 13 and EU 15.

Feature 40 Level a1 as an arbitrary level of 0.5 ft. Level a1's average opening elevation was 769.107 ft. above mean sea level (amsl). The average closing elevation was 768.566 ft. amsl. The soil in Level a1 consisted of 7.5 YR 3/2 (dark brown) mottled with 7.5 YR 4/4 (brown) clay loam. Historic artifacts uncovered in the level included: nails (n=104), metal handle, a nut and bolt, metal button, boot eyelet, .22 rifle cartridge casing, 4 chain links, circular metal hardware, metal fragments, pipe bowl, agateware doorknob, brick (n=17), mortar, slag, glass (n=64), ceramics (n=32), bone, and shell.

“Working around the rocks we found a huge chain today”

-Keishaia Griffith [NSF-REU student]

The team began excavation of Level a2 as an arbitrary layer of 0.5 ft. Level a2's average opening elevation was 768.566 ft. amsl. The average closing elevation was 768.220 ft. amsl. a2's fill soils are of mixture of Munsell colors 7.5YR 3/2 (dark brown) with a clay loam texture mottled with 7.5 YR 4/4 (brown). Excavators recovered numerous historic artifacts in this layer including: ceramics (n=17), glass (n=19), brick, metal tool, a large bolt, a rivet, nails (n=42), bone, marine shell. Archaeologists recovered large stones (n=52) and medium stones (n=22) from the level.

“The bottom of this layer shows a distinction between a2 and a possible b1”

-Terrance Martin [Crew Chief]

Excavators began the excavation of Level b1 as an arbitrary layer of 0.5 ft. The average opening elevation of Level b1 was 768.220, with an average closing elevation of 767.594 ft. amsl. The fill material was Munsell color 7.5 YR 3/2 (dark brown) clay loam mottled with 7.5 YR 4/4 (brown). Historic artifacts identified were: ceramics (n=14), bricks, limestone (n=19 large, n=25 medium, and 124 small stones), mortar, nails (n=20), metal handle, metal chain link, metal fragments, bottle finish, glass (n=12), saw bone, and slag.

“We hit a bunch of flat rocks, Huge Flat Rocks!”

-Keishaia Griffith [NSF-REU student]

Level b2 as excavated as an arbitrary layer of 0.5 ft. The average opening elevation of Level b2 was 767.594, with an average closing elevation of 767.192 ft. amsl. The fill material was Munsell color 7.5 YR 3/2 (dark brown) clay loam mottled with 7.5 YR 4/4 (brown). Historic artifacts identified were: ceramics (n=6), glass (n=3), nails (n=9), slag, large metal hardware (n=2), brick (n=1), bone, wood, and limestone (n=13 large, n=30 medium, and n=68 small stones).

“What started as small stones have turned into large slabs of limestone”

-John Schultz [NSF-REU student]

Archaeologists excavated Level b3 as an arbitrary layer of 1.0 ft. The average opening elevation of Level b3 was 767.192, with an average closing elevation of 766.671 ft. amsl. The fill material was Munsell color 7.5 YR 3/2 (dark brown) clay loam mottled with 7.5 YR 4/4 (brown). Historic artifacts identified were: glass (n=6), ceramics (n=1), pipe bowl, bone, brick (n=7), nails (n=10), and limestone (n=10 large, n=29 medium, and n=92 small stones). Level b3 was terminated at an impenetrable level of stones 4.0ft. below surface level.

“The last day of work, we pushed on, no artifacts just huge rocks”

-Keishaia Griffith [NSF-REU student]

“Most memorable moment has been excavating 4ft below the surface”

-John Schultz [NSF-REU student]

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BLOCK 13, LOT 3
 FEATURE 40

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
III	a1	FEATURE FILL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	769.107	768.566	The first layer of Feature 40 excavations produced large amounts of historic household artifacts.
III	a2	FEATURE FILL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	768.566	768.220	The amount of glass, nails, and ceramics decrease while the number of flat stones increases.
III	b1	FEATURE FILL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	768.220	767.594	Ceramics and glass are present but in lower quantities.
III	b2	FEATURE FILL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	767.594	767.192	Still fewer historic artifacts, mainly large stones.
III	b3	FEATURE FILL	7.5YR 3/2 mottled w/ 7.5 YR 4/4	CLAY/ LOAM	767.192	766.671	The bottom of the unit became moist and only 25 historic artifacts were recovered from the unit.

Block 13 Lot 4

Beatrice Adams, Meaghan Alston, George Calfas, Courtney Ng, Tyquin Washington, Margaret Wolf, and Tyrell Yarbrough

Archaeologists began excavation of Block 13 Lot 4 in order to fully expose the house foundation uncovered in 2005. During the 2005 excavations Units 1-6 were opened and the remains of the house foundation archaeologists have associated with Louisa McWorter were discovered. In 2010 archaeologists re-opened excavation units 1-6 along with new excavation units 7-11.

Block 13 Lot 4 EU 1

In 2005 Excavation Unit 1 displayed a portion of the northern wall which is oriented east-west. When the unit was back filled in 2005 garden fabric was laid on top of the feature and in 2010 the excavation team discovered this material and exposed the feature at an average depth of 765.455 ft. above mean sea level (amsl). The unit remained exposed throughout the project with no further excavations in this location.

“The foundations stones are just below the black tarp”

-Tyrell Yarbrough [NSF-REU student]

Block 13 Lot 4 EU 2

Team Y cleared the back fill and opened EU 2 Level A3a at an average depth of 766.424 ft. above mean sea level (amsl). This arbitrary layer of 0.2 ft. was excavated in order to clearly define the feature. A3a was closed at an average elevation of 766.288 ft. amsl. Level A3a is a combined context consisting of two deposits: feature fill was encountered in the northern portion of the unit (a 10YR 3/2 loam), while excavation in the southern portion of the unit removed the builder's trench and subsoil (10YR 4/4 clay). Artifacts discovered in A3a were as follows: nails, bone, charcoal, brick, mortar, glass, ceramics, and slate. No further excavation took place in EU2.

“We leveled the floor and walls quickly”

-Beatrice Adams [NSF-REU student]

Block 13 Lot 4 EU 3

Archaeologists removed the soils from the previous excavations and opened Level A2a at an average depth of 766.758 ft. above mean sea level (amsl). The average closing elevation was 766.233 amsl. The arbitrary 0.3 ft. level brought the adjacent units to similar depths. Soils removed from Level A2a were 10 YR 3/2 loam in the northern portion of the level and 10YR 4/4 clay in the southern section of the unit. The feature fill in Level A2a contained nails, brick, mortar, glass, metal, bone, ceramics, charcoal, slag, pencil lead, a large metal handle, and a button.

“We leveled this floor with the adjacent units”

-Courtney Ng [NSF-REU student]

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BLOCK 13, LOT 4
 EXCAVATION UNIT 2

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A3a	SUB PLOW	10 YR 3/2 ----- 10YR 4/4	LOAM ----- CLAY	766.424	766.288	Historic-period artifacts were recovered from the northern portion of the unit only. Sterile clay was situated in the south.

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BLOCK 13, LOT 4
 EXCAVATION UNIT 3

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A2a	SUB PLOW	10 YR 3/2 ----- 10YR 4/4	LOAM ----- CLAY	766.758	766.233	Historic-period artifacts were recovered from the northern portion of the unit only. Sterile clay was situated in the south.

Block 13 Lot 4 EU 4

The team reopened EU 4 to the 2005 average elevation of 766.270 ft. above mean sea level (amsl). EU 4 is situated north and outside of the builders trench, and after the exposure of the 2005 surface, no further excavations took place in this unit.

“The floor is a hard yellow clay”

-Tyrell Yarbrough [NSF-REU student]

Block 13 Lot 4 EU 5

Team Y removed the previous excavation fill and opened Level A3a at an elevation of 766.533 ft. above mean sea level (amsl). From this point an arbitrary depth of 0.4 ft. amsl was excavated in order to define Feature 12. Level A3a was labeled as cellar fill and consists of 10YR 3/2 loam soil. EU 5 was closed at an average elevation of 766.147 ft. amsl. The artifacts recovered from Level A3a were nails, glass, ceramics, bone, brick, mortar, metal fragments, and a heave copper wire connector. The floor of Level A3a displayed a heavy concentration of charcoal and numerous artifacts displayed signs of burning.

“We closed EU 5 at the floor of Level A3a”

-George Calfas [Crew Chief]

Block 13 Lot 4 EU 6 Unit Summary

Archaeologists opened Level A2a at an average elevation of 766.506 ft. above mean sea level (amsl) after removing the back-filled soils. Level A2a was excavated to an arbitrary 0.4 ft. in order to level the floor with EU 2 and EU3. Soils removed from Level A2a were 10 YR 3/2 loam in the northern portion of the level and 10YR 4/4 clay in the southern section of the unit, a dividing line consistent with the large east west running stones that indicate Feature 12. EU 6 was terminated at 766.130 ft. amsl. Artifacts recovered from the feature fill in this level were brick, mortar, metal fragments, glass, charcoal, bone, and ceramics. Level A2a also contained a large concentration of chert in the southwestern corner.

“There were a lot of thin stones in the corner of the unit”

-Beatrice Adams [NSF-REU student]

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BLOCK 13, LOT 4
 EXCAVATION UNIT 5

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A3a	SUB PLOW	10YR 3/2	LOAM	766.533	766.147	Cellar fill with a heavy concentration of charcoal.

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BLOCK 13, LOT 4
 EXCAVATION UNIT 6

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A2a	SUB PLOW	10 YR 3/2 ----- 10YR 4/4	LOAM ----- CLAY	766.506	766.130	Concentration of lithics was situated in the southwestern corner of the unit.

Block 13 Lot 4 EU 7

Team Y placed EU 7 east and adjacent to EU 1, based on the data from the 2004 geophysical survey, in an attempt to locate the northeast corner of the house foundation. The team excavated Level A1 to an arbitrary depth of 0.5ft. with an opening elevation of 768.116 ft. above mean sea level (amsl) and a closing elevation of 767.713 amsl. The soils in this level were 10YR 3/2 loam and the artifacts in the level were as follows: brick; flat glass; vessel glass; milk glass; brown glass; stoneware; whiteware; metal fragments; and one large nail.

“Heavy artifact density in the plow zone”

-Andrew Agha [Graduate Volunteer]

Level A2 was excavated to an arbitrary depth of 0.5ft. The opening elevation was 767.713 amsl with a closing elevation of 767.238 amsl. The soils in A2 continued the plow zone consisting of 10 YR 3/2 loam. The artifacts in Level A2 were vessel glass, flat glass, melted glass, brick, mortar, nails, metal fragments, copper fragments, clothing buckles, bone, stoneware, whiteware, a pocket knife, an agateware doorknob, a furniture tack, and slag.

“I found a piece of whiteware with red and pink transfer print”

-Courtney Ng [NSF-REU student]

The team excavated Level B1 as an arbitrary level of 0.5 ft. Level B1’s average opening elevation was 767.238 ft. amsl and the average closing elevation was 766.725ft. amsl. Level B1 was sub-plow zone composed 10YR 3/2 loam. The artifacts recovered from Level B1 were nails, brick, mortar, whiteware, stoneware, Bennington-Rockingham ware, red paste stoneware, green vessel glass, clear vessel glass, brown glass, flat glass, charcoal, bone, and a table knife.

“Many various types of stoneware in the level”

-George Calfas [Crew Chief]

Level B2 was excavated as an arbitrary level of 0.5 ft. Level B2’s average opening elevation was 766.765 ft. amsl and the average closing elevation was 766.175 ft. amsl. The soil from this layer is 10 YR 4/2 sandy loam. The artifact density decreased in numbers, but the level yielding the following: mortar, nails, flat glass, vessel glass, whiteware, burnt Bennington-Rockingham ware, metal lid fragments, a metal buckle, metal fragments, bone, and a bone button.

“Artifacts are fewer in number for this level”

-Andrew Agha [Graduate Volunteer]

The team excavated Level B3 as an arbitrary level of 0.5 ft. Level B3’s average opening elevation was 766.175 ft. amsl and the average closing elevation was 765.758ft. amsl. During the excavation of this layer the builders trench became visible in the northern wall as a 10YR 5/4 clay. The remainder of the unit was cellar fill 10YR 4/2 sandy loam. Foundation stones from Feature 12 are situated along the northern and east walls of EU7. Foundation stones are partially situated in the eastern wall of EU7, thus the builder’s trench is not visible in this unit. Artifacts

from this level are flat glass, vessel glass, whiteware, metal fragments, and mortar. Excavation of EU7 was terminated with the exposure of Feature 12.

“Near the bottom of the unit we could see the eastern foundation wall”

-Courtney Ng [NSF-REU student]

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BLOCK 13, LOT 4
 EXCAVATION UNIT 7

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER	10YR 3/2	LOAM	768.116	767.713	Historic-period artifacts including glass, ceramics, metal, bricks, and nails
I	A2	PLOW ZONE	10YR 3/2	LOAM	767.713	767.238	Historic-period artifacts continue in large density, including a door knob.
II	B1	SUB PLOW ZONE	10YR 3/2	LOAM	767.238	766.765	Wide variety of house artifacts present in the layer.
II	B2	FEATURE FILL	10YR 4/2	SANDY LOAM	766.765	766.175	Artifact density decreased in the layer.
II	B3	FEATURE FILL	10YR 4/2	SANDY LOAM	766.175	765.758ft	Builder's trench became visible in the northern section of the unit, few artifacts discovered near the foundation.

Block 13 Lot 4 EU 8

Excavation Unit 8 was inserted due east of EU3, 90 feet north and 15 east of the southwestern corner of Block 13 Lot 4. Team Y excavated Level A1 to an arbitrary depth of 0.5ft. with an opening elevation of 767.752 ft. above mean sea level (amsl) and its closing elevation was 767.043 amsl. The soils in this level were 10YR 3/2 loam and the artifacts in the unit were as follows: brick (n=5); nails (n=23); charcoal (n=13); flat glass (n=5); vessel glass; (n=107); milk glass (n=14); brown glass (n=11); stoneware (n=41); whiteware (n=50); and metal fragments (n=18); and a milk glass button.

“Excavating in sod is difficult; we realized we dug too deep”

-Courtney Ng [NSF-REU student]

Level A2 was excavated to an arbitrary depth of 0.5ft. The opening elevation was 767.043 amsl with a closing elevation of 766.881 amsl. The soils in A2 continued as the plow zone with a color of 10 YR 3/2 loam. The artifacts in Level A2 were vessel glass (n=21), flat glass (n=1), milk glass (n=4), mortar (n=3), nails (n=19), metal fragments (n=9), charcoal (n=34), bone (n=2), stoneware (n=7), whiteware (n=8), and slag (n=2).

“There were long strips of charcoal in the unit”

-Beatrice Adams [NSF-REU student]

Team Y excavated Level B1 as an arbitrary level of 0.5 ft. Level B1’s average opening elevation was 766.881 ft. amsl and the average closing elevation was 766.436 ft. amsl. Level B1 was sub-plow zone, encompassing two deposits: 10 YR 4/4 clay and cellar fill 10 YR 3/2 loam. The dividing line between cellar fill and sub plow zone extends the entire width of the unit and does not capture the southeastern corner of the house foundation. The artifacts recovered from Level B1 were nails (n=53), brick (n=11), mortar (n=34), metal fragments (n=28), whiteware (n=6), stoneware (n=15), vessel glass (n=32), flat glass (n=47), charcoal (n=155), bone (n=108), and a bone button. EU 8 was terminated upon completion of Level B1.

“We finished the level after exposing parts of the foundation”

-Tyrell Yarbrough [NSF-REU student]

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BLOCK 13, LOT 4
 EXCAVATION UNIT 8

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER	10YR 3/2	LOAM	767.752	767.043	Historic-period artifacts including glass, ceramics, metal, bricks, and nails
I	A2	PLOW ZONE	10YR 3/2	LOAM	767.043	766.881	Historic-period artifact continue and charcoal is now present
II	B1	CELLAR FILL ----- SUBSOIL	10YR 3/2 ----- 10YR 4/4	LOAM ----- CLAY	766.881	766.436	The excavation unit is divided with foundation stones in the north and builders trench in the south.

Block 13 Lot 4 EU 9

Excavation Unit 9 is a 5ft. x15ft. unit which connects the southern portion of EU7 and the eastern section of EU 8. EU1 was located 90 feet north and 30 east of the southwestern corner of Block 13 Lot 4. The discovery of the foundation's northeast corner in EU7 indicated that a unit larger than the usual 5 x 5 should be established in order to uncover the eastern wall. Team Y excavated Level A1 to an arbitrary depth of 0.5ft. with an opening elevation of 768.013 ft. above mean sea level (amsl) and its closing elevation was 767.634 amsl. The soils in this level were 10YR 3/2 loam and the artifacts in the unit were as follows: brick (n=120); mortar (n=20); flat glass (n=91); vessel glass; (n=207); milk glass (n=23); brown glass (n=15); stoneware (n=89); whiteware (n=85); metal fragments (n=60); nails (n=21); doorknobs (n=2); charcoal (n=18); bone (n=5); and slag (n=10).

“There was lots of glass in the plow zone”

-Tyrell Yarbrough [NSF-REU student]

Level A2 was excavated to an arbitrary depth of 0.5ft. The opening elevation was 767.634 ft. amsl with a closing elevation of 767.159 ft. amsl. The soils in A2 continued as plow zone with a color of 10 YR 3/2 loam. The artifacts were extremely dense along the western portion of EU9. The artifacts recovered from Level A2 were vessel glass (n=982), flat glass (n=140), milk glass (n=3), brick (n=346), mortar (n=66), nails (n=116), metal fragments (n=293), clothing buckle (n=1), bone (n=27), stoneware (n=182), whiteware (n=132), a pocket knife, shell (n=3), furniture tack (n=2), milk glass button (2 ½), shotgun shell (n=1), shoe eyelet (n=2), bolts (n=2), flatware handle (n=1), hardware (n=12) and slag (n=12).

“It took us all afternoon to sort and count the ceramics”

-Courtney Ng [NSF-REU student]

The team excavated Level B1 (5ft.x10ft) only in the north-central section of EU9 in order to define the brick rubble pile. Excavating to the lower portions of the brick as a guide, Level B1 was excavated at 0.1ft.with an average opening elevation of 767.159 ft. amsl and an average closing elevation of 767.152ft. amsl. Level B1 was sub-plow zone composed of 10YR 4/2 sandy loam. Level B1 was nearly the same color and composition as Level A2, however it was below the depth of historic plow and for this reason the archaeologists refer to Level B as the “sub-plow zone”. The artifacts recovered from Level B1 were nails (n=30), tack (n=1), brick (n=37), mortar (n=10), whiteware (n=74), stoneware (n=36), vessel glass (n=310), brown glass (n=15), flat glass (n=27), charcoal (n=22), burnt wood (n=1), pipe pieces (n=2), bone (n=8), and a metal button.

“While troweling we ran into a soil color change associated the foundation”

-Tyquin Washington [NSF-REU student]

Level B2 was the southern section of EU9 (a 5ft.x5ft.unit) and excavated as an arbitrary level of 0.5 ft. Level B2's average opening elevation was 767.145 ft. amsl and the average closing elevation was 766.455 ft. amsl. The soil from this layer was 10 YR 4/2 sandy loam. The artifacts from Level B2 were brick (n=11), mortar (n=4), nails (n=46), flat glass (n=16), vessel glass (n=18), whiteware (n=6), metal fragments (n=8), bone (n=7), and a penny. The 1862 penny was situated underneath a stone thought to be part of the foundation.

“While excavating we discovered a 1862 penny under a foundation stone”

-Meaghan Alston [NSF-REU student]

The team excavated Level B3 as an arbitrary level of 0.5 ft. Level B3's average opening elevation was 766.455 ft. amsl and the average closing elevation was 765.847 ft. amsl. During the excavation of this layer the builders trench became visible in the southern wall and displayed 10YR 5/4 clay. The remainder of the unit is cellar fill 10YR 3/2 sandy loam. Foundation stones from Feature 12 are situated along the southern and east walls of EU9. Artifacts from this depth were charcoal, whiteware (n=2), flat glass (n=3), vessel glass (n=2), and nails (n=7). Excavation of EU9 was terminated with the exposure of Feature 12.

“Last day in the field and we uncovered the southeast corner of the house”

-Margaret Wolf [NSF-REU student]

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BLOCK 13, LOT 4
 EXCAVATION UNIT 9

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER	10YR 3/2	LOAM	768.013	767.634	Historic-period artifacts including glass, ceramics, metal, bricks, and nails
I	A2	PLOW ZONE	10YR 3/2	LOAM	767.634	767.159	Heavy density of brick and mortar in the west central section of the unit.
I	B1	SUB PLOW ZONE	10YR 4/2	SANDY LOAM	767.159	767.145	Rubble pile produces large amounts of stoneware and glass.
II	B2	FEATURE FILL	10YR 4/2	SANDY LOAM	767.145	766.455	1862 penny discovered under foundation stones.
II	B3	FEATURE FILL	10YR 3/2 ----- 10YR 5/4	SANDY LOAM ----- CLAY	766.455	765.847	Southeastern corner of the foundation located in this layer.

Block 13 Lot 4 EU 10

Excavation Unit 10 is a 10ft.x10ft. unit surrounded by the excavation units described above and was intended to increase exposure of the house cellar. EU10 is located 95 feet north and 15 east of the southwestern corner of Block 13 Lot 4. The team excavated Level A1 to an arbitrary depth of 0.5ft. with an opening elevation of 767.898 ft. above mean sea level (amsl) and a closing elevation of 767.297 amsl. The soils in this level were 10YR 3/2 loam and the artifacts in the unit were as follows: brick (n=75); flat glass (n=10); vessel glass; (n=216); brown glass (n=39); stoneware (n=137); whiteware (n=197); nails (n=38); charcoal (n=5).

“I am finally getting the hang of flattening floors and squaring walls”

-Tyrell Yarbrough [NSF-REU student]

Level A2 was excavated to an arbitrary depth of 0.5ft. The opening elevation was 767.297 ft. amsl with a closing elevation of 767.026 amsl. The plow zone continued in A2 as a 10 YR 3/2 loam. The artifacts recovered from Level A2 were vessel glass (n=374), flat glass (n=160), brown glass (n=20), brick (n=52), mortar (n=40), charcoal (n=13), nails (n=57), bone (n=5), stoneware (n=133), whiteware (n=91), slag (n=40), button (n=1), and a pocket watch.

“I found a pocket watch.....that was really exciting”

-Beatrice Adams [NSF-REU student]

Team Y began excavating Level A3 as an arbitrary level of 0.5 ft. but encountered a charcoal lens at 0.3ft. and terminated the level. Level A3's average opening elevation was 767.026 ft. amsl and the average closing elevation was 766.898 ft. amsl. Level A3 was cellar fill 10 YR 3/2 loam with 10 YR 2/2 charcoal inclusions. Artifacts from Level A3 were separated into four sections: SW, SE, NW, and NE. Those location in the SW region were nails (n=26), brick (n=6), mortar (n=1), metal fragments (n=55), whiteware (n=12), stoneware (n=15), vessel glass (n=95), flat glass (n=51), brown glass (n=20), slag (n=14), charcoal (n=14), bone (n=2), shotgun casing (n=1), Mason jar lid, and a porcelain doll leg. The artifacts recovered from the SE were flat glass (n=20), vessel glass (n=58), charcoal (n=14), whiteware (n=13), stoneware (n=13), nails (n=25), brick (n=3), bone (n=2), metal fragments (n=21), and a shotgun casing. The NE yielded flat glass (n=15), vessel glass (n=20), brown glass (n=3), milk glass (n=1), mortar (n=10), whiteware (n=10), nails (n=10), brick (n=14), charcoal (n=3), and metal fragments (n=6). Artifacts in the NW were flat glass (n=10), vessel glass (n=60), brown glass (n=5), milk glass button (n=1), shell button (n=1), slag (n=4), whiteware (n=10), stoneware (n=3), brick (n=2), nails (n=11), mortar (n=2), charcoal (n=10), bone (n=4), metal fragments (n=12), and a 1903 penny. A later cleaning of the floor and walls yielded a spoon, Mason milk glass (n=3), Mason jar metal lid (n=1), flat glass (n=4), vessel glass (n=7), brown glass (n=3), clean bottle neck (n=1), stoneware (n=15), whiteware (n=16), metal spike (n=1), Hurricane lamp wick and apparatus. EU10 was terminated after the A3 floor cleaning.

“Artifact density was different so we divided the unit into four cardinal directions”

-Tyquin Washington [NSF-REU student]

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BLOCK 13, LOT 4
 EXCAVATION UNIT 10

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER	10YR 3/2	LOAM	767.898	767.297	Historic-period artifacts including glass, ceramics, metal, bricks, and nails
I	A2	PLOW ZONE	10YR 3/2	LOAM	767.297	767.026	Large amounts of glass and stoneware discovered in this layer.
I	A3	FEATURE FILL	10YR 3/2	LOAM	767.026	766.898	Artifact density was in higher proportions in the east and south when compared to north and west.

Block 13 Lot 4 EU 11

Excavation Unit 11 is a 5ft.x15ft.unit which extends west from EU1. Discovery of the northern foundation in EU 1 and 7 required that a larger unit be inserted in order to uncover the remainder of the north wall. EU11 was located 105 feet north and 5 east of the southwestern corner of Block 13 Lot 4. Team Y excavated Level A1 to an arbitrary depth of 0.5ft. with an opening elevation of 767.594 ft. above mean sea level (amsl) and a closing elevation of 767.235 ft.amsl. The soils in this level were 10YR 3/2 loam and the artifacts in the unit were as follows: brick (n=19), flat glass (n=40), vessel glass, (n=95), milk glass (n=1), brown glass (n=18), stoneware (n=17), whiteware (n=50), metal fragments (n=5), nails (n=12), charcoal (n=4), slag (n=1), and a button.

“Digging a 5 x15 was difficult due to the slope of the terrain”

-Courtney Ng [NSF-REU student]

Level A2 was excavated to an arbitrary depth of 0.5ft. The opening elevation was 767.235 ft. amsl with a closing elevation of 766.842 ft. amsl. The soils in A2 continued the plow zone that was a 10 YR 3/2 loam. The artifacts recovered from Level A2 were vessel glass (n=55), flat glass (n=54), brown glass (n=8), milk glass (n=1), brick (n=7), nails (n=46), metal fragments (n=9), bone (n=27), stoneware (n=17), whiteware (n=39), leather (n=3), charcoal (n=6), and a horse shoe fragment.

“There are fewer artifacts in this unit than others”

-Courtney Ng [NSF-REU student]

Team Y began excavating Level A3 as an arbitrary level of 0.5 ft. but encountered a charcoal lens at 0.1ft.and terminated the level. Level A3’s average opening elevation was 767.842 ft. amsl and the average closing elevation was 766.742 ft. amsl. Level A3 was cellar fill 10 YR 3/2 loam with 10 YR 5/8 clay in the floor of the western portion and 10 YR 7/6 clay in the eastern portion. Artifacts recovered from the level were nails (n=35), mortar (n=3), metal fragments (n=15), whiteware (n=9), stoneware (n=5), vessel glass (n=25), flat glass (n=33), brown glass (n=2), slag (n=2), charcoal (n=1), bone (n=1), and a shell.

“We saw a clear color change in the western portion of the level”

-Beatrice Adams [NSF-REU student]

The team excavated Level B1 as an arbitrary level of 0.5 ft. with an average opening elevation of 766.742 ft. amsl and an average closing elevation of 766.427ft. amsl. Level B1 is sub-plow zone composed of 10YR 3/2 sandy loam in the central region, 10YR 4/2 sandy loam mottled with 30% 10 YR 5/4 in the west and 10 YR 4/2 clay mottled 20% with 10 YR 5/4 clay while the eastern portion. The artifacts recovered from Level B1 were nails (n=35), metal fragments (n=59), brick (n=7), mortar (n=4), vessel glass (n=55), brown glass (n=4), flat glass (n=37), charcoal (n=6), burnt wood (n=1), slag (n=4), and bone (n=2).

“Lots of glass and metal but not much else”

-Tyrell Yarbrough [NSF-REU student]

Team Y began Level B2 as an arbitrary 0.2 ft. level in order to determine the extent and depth of the clay in the eastern section. Level B2's average opening elevation was 767.427 ft. amsl and the average closing elevation was 766.219 ft. amsl. The soil color and texture was identical to B1, 10YR 3/2 sandy loam in the central region, 10YR 4/2 sandy loam mottled with 30% 10 YR 5/4 in the west and 10 YR 4/2 clay mottled 20% with 10 YR 5/4 clay while the eastern portion. The artifacts in B2 were vessel glass (n=13), brown glass (n=2), nails (n=13), bone (n=1), stoneware (n=7), and charcoal (n=1).

“Digging was slow searching for soil patterns”

-Beatrice Adams [NSF-REU student]

With the eastern and western clay sections defined, archaeologists continued excavations in EU11 by subdividing the unit into a 5ft.x5ft. section adjacent to the western clay soils. The team started excavation of Level B3 as an arbitrary level of 0.5 ft. but encountered charcoal at 0.1ft. depth. B3's average opening elevation was 767.260 ft. amsl and the average closing elevation was 766.157 ft. amsl. The soil from this layer was 10 YR 3/2 sandy loam. The artifacts from Level B3 were charcoal (n=2), slag (n=1), mortar (n=3), nails (n=5), flat glass (n=4), whiteware (n=7), stoneware (n=4), and metal fragment (n=1).

“With days running out we subdivided the unit to search for the NW corner”

-George Calfas [Crew Chief]

Level B4 was excavated as an arbitrary 0.5ft. level with an average opening elevation of 766.157 ft. amsl and an average closing elevation of 765.636 ft. amsl. B4's soil is cellar fill with a color of 10 YR 3/2 sandy loam. Artifacts from this level were as follows: whiteware (n=20), stoneware (n=5), brick (n=2), mortar (n=3), metal fragments (n=3), charcoal (n=4), slate (n=1), vessel glass (n=2), flat glass (n=26), and bone (n=2).

“We found quite a few bones in the unit”

-Courtney Ng [NSF-REU student]

Archaeologists continued with Level B5 as a 0.5ft. arbitrary level. B5's average opening elevation was 765.636 ft. amsl with an average closing elevation of 765.368 ft. amsl. Level B5 was darker in color than previous level; 10 YR 2/2 sandy loam. The artifact density continued to decrease yielding only the following artifacts: nails (n=10), brick (n=2), charcoal (n=3), mortar (n=6), stoneware (n=6), and flat glass (n=7). Additionally, stones similar to those in EU 1 and 7 were visible in the northern portion of Level B5. The western portion was probed and a course of stones were discovered 0.2 ft. below the bottom of B5.

“We found more small stones but not many other artifacts”

-Tyrell Yarbrough [NSF-REU student]

Level B6 was excavated as an arbitrary 0.3 level in order to expose the foundation stones in the western portion of the unit. The average opening elevation was 765.368 ft. amsl and the average closing elevation was 765.187 ft. amsl. The cellar fill was 10 YR 3/2 sandy loam. Only a few artifacts were found in Level B6: mortar (n=3); vessel glass (n=1); flat glass (n=11); nails (n=8); whiteware (n=3); and a metal fragment. Excavation of EU11 was terminated with the exposure of Feature 12.

“We were able to locate the Northwest corner of the house”

-Courtney Ng [NSF-REU student]

NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
 11 PK 455
 NSF-REU PROGRAM

BLOCK 13, LOT 4
 EXCAVATION UNIT 11

<u>mega strat</u>	<u>level</u>	<u>stratum</u>	<u>munsell</u>	<u>texture</u>	<u>opening elev. amsl</u>	<u>closing elev. amsl</u>	<u>description</u>
I	A1	SOD LAYER	10YR 3/2	LOAM	767.594	767.235	Historic-period artifacts including glass, ceramics, metal, bricks, and nails
I	A2	PLOW ZONE	10YR 3/2	LOAM	767.235	767.842	The artifact density continues in the plowzone to include the discovery of a mule shoe.
I	A3	PLOW ZONE	10YR 3/2 ----- 10YR 5/8 ----- 10YR 7/6	SANDY LOAM ----- CLAY ----- CLAY	767.842	766.742	Architectural artifacts such as brick mortar and nails were discovered in the layer.
I	B1	FEATURE FILL	10YR 3/2 ----- 10YR 4/2 mottled 10YR 5/4 ----- 10YR 4/2 mottled 10YR 5/4	LOAM ----- CLAY ----- CLAY	766.742	767.427	Metal fragments dominate the layer, soil mottling occurs in the central portion of the layer with clay in the east and west.
II	B2	FEATURE	10YR 3/2	LOAM	767.427	767.260	Soil mottling continues and

		FILL	----- 10YR 4/2 mottled 10YR 5/4 ----- 10YR 4/2 mottled 10YR 5/4	----- CLAY ----- CLAY			few artifacts are in the layer.
II	B3	FEATURE FILL	10YR 3/2	SANDY LOAM	767.260	766.157	Fewer artifacts a located in this layer.
II	B4	FEATURE FILL	10YR 3/2	SANDY LOAM	766.157	765.636	Whiteware and glass were the dominate artifact type in the layer.
II	B5	FEATURE FILL	10YR 2/2	SANDY LOAM	765.636	765.368	Soils associated with cellar fill are darker in color.
II	B6	FEATURE FILL	10YR 3/2	SANDY LOAM	765.368	765.187	Northwestern corner of the foundation located in this layer.

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