

New Philadelphia Excavation Unit Summary Form

Block 4 Lot 1

Holly Brookens, Athena Hsieh, Erin Smith, Christopher Stawski, and Christopher Valvano

Excavation Unit 9 (N85 E30)

Archaeologists began excavation of Block 4 Lot 1 Excavation Unit 9 in order to ground truth geophysical anomaly 27. They excavated Level A1 as a 0.5 ft. arbitrary level. Level A1's average opening elevation is 767.925 ft. above median sea level (amsl), and the level's average closing elevation is 767.568 ft. amsl. Level A1 is plowzone, made up of 10YR 3/2 (very dark grayish brown) fine grain silt. Historic artifacts were recovered throughout the level and include glass, nails, ceramics, and fence staples.

"We found a lot of brick pieces scattered and lots of glass and old rusty nails."

- Holly Brookens [NSF-REU student]

A1 "In Unit 9, Level A1 included a scatter of unarticulated brick fragments. The fragments ranged in size from 1/8 to about 1/4 brick-sized pieces."

- Erin Smith [NSF-REU student]

The team excavated Level A2 as an arbitrary 0.5 ft level. Level A2's average opening elevation is 767.568 ft. amsl and average closing elevation is 767.067 ft. amsl. Level A2 is plowzone with a color of 10YR 3/2 (very dark grayish brown) and a texture of fine grain silt. Artifacts recovered by the team include nails, lithic flakes, a possible gaming piece, charcoal, a button, two bullet casings, and metal.

"We have been spraying the unit a lot with water so that the compacted soil will be easier to shovel through."

- Holly Brookens [NSF-REU student]

"Horrible roots pervaded the level. These roots continued through Level A2."

- Erin Smith [NSF-REU student]

Archaeologists excavated Level A3 as an arbitrary level of 0.5 ft. Level A3's average opening elevation is 767.067 ft. amsl and average closing elevation is 766.583 ft. amsl. Level A3 is plowzone with a color of 10YR 3/4 (dark yellowish brown) and a texture of silty clay loam. The team recovered artifacts including nails, ceramics, glass, metal, one tooth, charcoal, and possible gaming pieces.

"After lunch, I went back to my team, who had dug 1.4 ft. in Level A3. We started to trowel, evening out the walls and making the floor flat."

- Athena Hsieh [NSF-REU student]

“We found a spot near the middle that seemed darker – perhaps a rodent hole.”

- Holly Brookens [NSF-REU student]

Archaeologists excavated Level A4 as an arbitrary level of 0.5 ft. The average opening elevation of the level is 766.583 ft. amsl, and the average elevation on closing is 766.064 ft. amsl. Level A4 is a half level on the east side. The team decided to only excavate half of Level A4 due to concentrations of brick and mortar found only on the east side. Level A4’s average opening elevation is ft amsl and average closing elevation is ft amsl. Level A4 is plowzone with a color of 10YR 3/3 (dark brown) and a texture of silty clay loam. A4 contained historic artifacts including glass, metal, one piece of charcoal, nails, and ceramics.

“Unit 9 was thoroughly hydrated this morning, as evidenced by mold and fungus growing on the top of the unit.”

- Erin Smith [NSF-REU student]

“We marked the halfway line with a piece of string anchored by two nails with orange tape.”

- Holly Brookens [NSF-REU student]

Archaeologists made the decision to close Block 4 Lot 1 Excavation Unit 9 because no identifying features were found in Levels A1-A4.

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BLOCK 4, LOT 1
 EXCAVATION UNIT 4 (N85, E30)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	FINE GRAIN SILT	767.925 ft	767.568 ft	Archaeologists encountered historic artifacts throughout this level.
I	A2	PLOW ZONE	10YR 3/2	FINE GRAIN SILT	767.568 ft	767.067 ft	Artifacts recovered include glass, nails, and ceramics. Charcoal was encountered in this level.
I	A3	PLOW ZONE	10YR 3/4	SILTY CLAY LOAM	767.067 ft	766.583 ft	Historic artifacts continued to be recovered in this level.
I	A4	PLOW ZONE	10YR 3/3	SILTY CLAY LOAM	766.583 ft	766.064 ft	This level is a half level; the western half was left unexcavated.

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Excavation Unit 10 (N65 E10)

Archaeologists opened Excavation Unit 10 because the June 2005 geophysical surveys determined an anomaly (resistance and magnetic anomaly A28) and subsequent soil cores revealed artifacts within the level. Level A1 was excavated as an arbitrary level of 0.5 ft. The average opening elevation of Level A1 is 767.056 ft. above median sea level (amsl), and the average closing elevation for the level is 766.848 ft. amsl. The level is plowzone with a color of 10YR 3/2 (very dark grayish brown) and a texture of fine grained silty loam. In level A1, many artifacts were recovered by the team, and were distributed evenly over the level. Artifacts recovered include flat glass, hand-blown green glass, whiteware, stoneware, and 2 large pieces of Albany stoneware, as well as nails.

“In the northeastern corner of Unit 10, we found pieces of bone, including what we believe to be part of a scapula.”

- Athena Hsieh [NSF-REU student]

Level A2 was opened as an arbitrary 0.5 ft. level. The opening elevations of the level average to 766.848 ft. amsl, and the average closing elevation is 766.424 ft. amsl. Level A2 is plowzone and has a soil color of 10YR 4/2 (dark greyish brown) and a silty, fine grain texture. There are small areas of compacted soil from the center to the east side of the unit. The artifacts recovered in this level were mostly found within the western half, including a large number of relatively undisturbed flat glass pieces, found in the lower western half of the unit. In the northwestern corner, within the area enclosed by the stones, a high concentration of artifacts, mostly ceramic pieces as well as more stones. In the northern wall, a large piece of metal in level A1 is partially uncovered, as well as a piece of wood embedded in the floor below it, just outside the ring of rocks. Artifacts recovered include bone, charcoal, brick, mortar, possible gaming pieces, ceramics, nails, metal, glass, and buttons.

“As we trowelled more northward along the western wall, we also found a piece of whiteware, and another stone that looks like it might be large as well.”

- Athena Hsieh [NSF-REU student]

“Concentration of artifacts and cobbles in the northwest corner of the unit. Artifacts included large pieces of ceramic and glass, and some metal.”

- Erin Smith [NSF-REU student]

The archaeologists stopped the excavation of Unit 10 because they interpreted it as containing a potential feature (Feature 19).

Feature 19

Feature 19 is a semi-circular concentration of cobble-sized rocks, large ceramic fragments, metal, glass, bricks, and mortar. Archaeologists interpret the feature as a possible chimney. In Block 4 Lot 1 Excavation Unit 10 the feature measures 3.2 ft. (E-W) x 2.8 ft. (N-S). Feature 19 is present in the northwest of the unit, and most artifacts recovered by archaeologists within Excavation Unit 10 are from the western half of the unit. Feature 19 is made up of 10YR 4/2 (dark greyish brown) fine grained silt, and the surrounding matrix is composed of the same soil. The team closed the unit at Level A2 when the feature was exposed at the base of the level. Feature 19 extends into the western and northern profiles. Archaeologists further investigated Feature 19 in Block 4 Lot 1 Excavation Unit 12 to the north and Block 4 Lot 1 Excavation Unit 13 to the west.

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BLOCK 4, LOT 1
 EXCAVATION UNIT 10 (N65, E10)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	FINE GRAINED SILTY LOAM	767.056 ft	766.848 ft	There was a high density of artifacts, evenly distributed over the level.
I	A2	PLOW ZONE	10YR 4/2	FINE GRAIN SILT	766.848 ft	766.424 ft	Artifact density continued to be high, but was centered within the western half of the level.

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Excavation Unit 11 (N70 E5)

Archaeologists opened Excavation Unit 11 to continue investigation of geophysical anomaly A28 and to determine if the concentration of artifacts in the northwest corner of Unit 10 continued into the surrounding area. Excavation Unit 11 is located to the northwest of Excavation Unit 10. The team excavated Level A1 as an arbitrary level of 0.5 ft. The average opening elevation of the level is 767.064 ft. above median sea level (amsl). The average elevation at the close of Level A1 is 766.798 ft. amsl. This level is plowzone and is made up of organic silty clay that has a Munsell color of 10YR 3/2 (very dark greyish brown) and a texture of silty clay. The archaeologists recovered glass, metal, and ceramic artifacts, as well as four bones. The team also found small coal pieces throughout the level.

“We found some Albany ware ceramics as well as some whiteware with blue stripes. Also we found a very unique piece of glass in a sunburst pattern.”

- Holly Brookens [NSF-REU student]

The archaeologists excavated Level A2 down 1.0 ft. below the datum into the plow zone. The average opening elevation of the level was 766.798 ft. amsl, and the average elevation at the close of the level was 766.343 ft. amsl. The soil has a color of 10 YR 3/2 (very dark greyish brown) and is organic silty clay. After 0.7-0.8 feet below the datum, the concentration of small brick fragments (<quarter sized) increased in the southern half of the unit. By 1.0 ft. below the datum, a concentration of cobbles became evident in the southeast corner of the unit. The concentration is roughly semi-circular in shape and seems to be a continuation of the cobble/artifact cluster from the northwest corner of Unit 10. In level A2, the concentration of glass, metal, and ceramic artifacts increased significantly (doubled to more than doubled) in comparison to the artifacts from level A1. The archaeologists recovered historic artifacts including metal, ceramics, brick, glass, bone, possible gaming pieces, charcoal, one shell, and one button.

“In the northwest corner we found two pipes – possibly reed pipes.”

- Holly Brookens [NSF-REU student]

“Unit 11 will be closed at Level A2 due to the need to excavate Units 12 and 13 to determine the extent of the concentration of artifacts [and] to determine if a feature is present. Hopefully so...”

- Erin Smith [NSF-REU student]

At the base of Level A2, Excavation Unit 11 was closed in favor of continuing the investigation of the extent of the artifact/cobble concentration found in Excavation Units 10 and 11 (Feature 19).

Feature 19

Feature 19 is a semi-circular concentration of cobble-sized rocks, large ceramic fragments, metal, glass, bricks, and mortar. Archaeologists interpret the feature as a possible chimney. In Block 4 Lot 1 Excavation Unit 11 the feature measures 3.7 ft. (E-W) x 3.9 ft. (N-S). Feature 19 is present in the southeast of the unit. Small brick fragments were recovered from the southern half of the unit. Feature 19 is made up of 10YR 3/2 (very dark greyish brown) silty clay, and the surrounding matrix is composed of the same soil. The team closed the Excavation Unit 11 at Level A2 when the feature was exposed at the base of the level. Feature 19 extends into the southern and eastern profiles. Archaeologists further investigated Feature 19 in Block 4 Lot 1 Excavation Unit 12 to the east and Block 4 Lot 1 Excavation Unit 13 to the south.

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BLOCK 4, LOT 1
 EXCAVATION UNIT 11 (N70, E5)

MEGASTRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY CLAY	767.064 ft	766.798 ft	An arbitrary level composed mostly of sod with historic artifacts recovered throughout.
I	A2	PLOW ZONE	10YR 3/2	SILTY CLAY	766.798 ft	766.343 ft	At the base of the level a semi-circular concentration of cobbles became evident in the southeast corner.

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Excavation Unit 12 (N70 E10)

Archaeologists opened Excavation Unit 12 to continue investigation of geophysical anomaly A28 and to determine if the concentration of artifacts Excavation Units 10 and 11 continued into the surrounding area. The team opened Excavation Unit 12 to the south of Excavation Unit 11 and to the east of Excavation Unit 10. They began Level A1 as an arbitrary level of 0.5 ft. The average opening elevation of Level A1 is 767.261 ft. above median sea level (amsl), and the average closing elevation is 766.868 ft. amsl. Level A1 consists of a sod layer on top of plowzone. The soil of level A1 has a color of 10YR 3/2 (very dark greyish brown) and a texture of fine-grained silty loam. The team recovered artifacts including glass, metal, nails, bone, charcoal, lithics, brick, and ceramics.

The archaeologists excavated Level A2 as an arbitrary 0.5 ft. level. The average elevation on opening is 766.868 ft. amsl, while the average closing elevation is 766.385 ft. amsl. Level A2 is plowzone that is composed of 50% rocks and compacted soil (concentrated on the southwest corner) and 50% silty soil (concentrated to the northeast corner). The majority of artifacts recovered are from the southwest area, including much glass, ceramics and metal with some bone. The rocks of the southwest area form a semi-circular shape, the area where most of the A2 artifacts were found. The soil of level A2 has a color of 10YR 3/2 (very dark greyish brown) and a texture of fine-grained silty loam. Artifacts recovered include glass, ceramics, bone, lithics, charcoal, mortar, metal, nails, and one button.

“It was very exciting because we have a definite feature now, Feature 19, which consists of many stones and some bricks arranged in a semi-circular/ovular/rectangular shape, with the majority of the artifacts found within the area of the stones.”

- Athena Hsieh [NSF-REU student]

The archaeologists halted excavation of Block 4 Lot 1 Excavation Unit 12 because the continuation of the rubble inclusion uncovered in Excavation Units 10 and 11 was uncovered.

Feature 19

Feature 19 is a semi-circular concentration of cobble-sized rocks, large ceramic fragments, metal, glass, bricks, and mortar. Archaeologists interpret the feature as a possible chimney. The team determined that the feature continued from Excavation Unit 10 to the south and Excavation Unit 11 to the west. In Block 4 Lot1 Excavation Unit 12 the feature measures 3.2 ft. (E-W) x 3.9 ft. (N-S). The feature is located in the southwest corner of the unit. Feature 19 is characterized by soil with the color 10YR 3/2 (very dark greyish brown) and the texture of fine grain silty loam. Artifacts are concentrated

in the southwest corner and include many metal and ceramic artifacts. The team closed Excavation Unit 12 at the bottom of Level A2 when the feature was uncovered.

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BLOCK 4, LOT 1
 EXCAVATION UNIT 12 (N70, E10)

MEGASTRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	FINE GRAINED SILTY LOAM	767.261 ft	766.868 ft	Historic artifacts were recovered from throughout the level.
I	A2	PLOW ZONE	10YR 3/2	FINE GRAINED SILTY LOAM	766.868 ft	766.385 ft	The unit was closed when Feature 19 was uncovered at the base of Level A2.

New Philadelphia Excavation Unit Summary Form

Block 4 Lot 1

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Excavation Unit 13 (N65 E5)

Archaeologists opened Excavation Unit 13 to continue investigation of geophysical anomaly A28 and to determine if the concentration of artifacts Excavation Units 10, 11, and 12 continued into the surrounding area. The team opened Excavation Unit 13 to the east of Excavation Unit 10 and to the south of Excavation Unit 11. Level A1 was excavated to an arbitrary depth of 0.5 ft below the northeast datum. The average opening elevation of this level is 766.937 ft. above median sea level (amsl), and the average of the closing elevations is 766.479 ft. amsl. In this sod and plowzone layer, the soil is 10YR 3/2 (very dark greyish brown) organic silty loam. Common artifacts recovered by the archaeologists were glass, metal, and ceramics, as well as two shell and four bone fragments.

“In Unit 13 today, two belt buckles were recovered, the first of which still had leather attached to it, which was very exciting.”

- Athena Hsieh [NSF-REU student]

“Thus far, we have found, as expected, nails, glass, and moderately sized ceramics. Also, we found two metal belt buckles of different styles, one of which still had a small fragment of leather attached to it.”

- Erin Smith [NSF-REU student]

Level A2 was opened by the archaeologists as an arbitrary level of 0.5 ft. The average opening elevation for this level is 766.479 ft. amsl, while the average closing elevation is 766.368 ft. amsl. This level is within the plowzone and is made up of 10YR 3/3 (dark brown) organic silty clay. Artifacts recovered by the archaeologists included glass, metal, ceramics, three bones, and three pieces of coal. Archaeologists did not excavate the entirety of the 0.5 ft. arbitrary level, in favor of bringing Excavation Unit 13 to the same depth as the surrounding units and to the top of Feature 19.

“Holly and I completed excavating Level A2 of Unit 13 this morning using both trowels and shovels. This proved somewhat tricky since the datum for Unit 13 is different from the datum used for Units 10 and 12.”

- Erin Smith [NSF-REU student]

“Later in the morning we opened up Level A2. We were hoping to go down until we saw the same chunk (semi-circle) of artifacts as in the others.”

- Holly Brookens [NSF-REU student]

Unit 13 was closed once the concentration of artifacts and cobbles became apparent in the northeast corner. This concentration marks the southwest edge of a semi-circular concentration of cobbles and artifacts that will be designated as Feature 19.

Feature 19

Feature 19 is a semi-circular concentration of cobble-sized rocks, large ceramic fragments, metal, glass, bricks, and mortar. Archaeologists interpret the feature as a possible chimney. The team determined that the feature continues from Excavation Unit 11 to the north and Excavation Unit 12 to the east. In Block 4 Lot1 Excavation Unit 13 the feature measures 3.7 ft. (E-W) x 3.0 ft. (N-S). Feature 19 is located in the northeast corner of this unit. Feature 19 is characterized by soil with the color 10YR 3/3 (dark brown) and the texture of fine grain silty loam. Artifacts are concentrated in the northeast corner. The team closed Excavation Unit 13 at the bottom of Level A2 when Feature 19 was uncovered.

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BLOCK 4, LOT 1
 EXCAVATION UNIT 13 (N65, E5)

MEGASTRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	766.937 ft	766.479 ft	Soil is organic silty loam in the plowzone. There are some weak areas in the west wall due to bioturbation.
I	A2	PLOW ZONE	10YR 3/3	SILTY CLAY	766.479 ft	766.368 ft	At the end of this level the top of Feature 19 was completely uncovered. Historic artifacts were recovered throughout.

New Philadelphia Feature 19 Summary Form

Block 4 Lot 1

Holly Brookens, Athena Hsieh, Erin Smith, Christopher Stawski, and Christopher Valvano

Excavation Units 10, 11, 12, and 13

Feature 19 is a possible chimney first encountered in the northwest corner of Block 4 Lot 1 Excavation Unit 10. The archaeologists have interpreted it as a potential chimney due to its regular shape and dimensions, additionally the cobbles which make up the feature are very regular with evidence of shaping and precise placement. This interpretation may be aided by recovered macrobotanical material from within the feature. In Block 4 Lot 1 Excavation Unit 10 the feature measures 3.2 ft. (E-W) x 2.8 ft. (N-S) in the northwest corner. In Block 4 Lot 1 Excavation Unit 11 the feature measures 3.7 ft. (E-W) x 3.9 ft. (N-S) in the southeast corner. In Block 4 Lot 1 Excavation Unit 12 the feature measures 3.2 ft. (E-W) x 3.9 ft. (N-S) in the southwest corner. In Block 4 Lot 1 Excavation Unit 13 the feature measures 3.7 ft. (E-W) x 3.0 ft. (N-S) in the northeast. In all of these units, the feature is associated with a higher artifact density, as well as fieldstone and brick inclusions.

“There was a very heavy concentration of artifacts on the eastern edge of the area we are working on, the deeper we dug.”

- Athena Hsieh [NSF-REU student]

Feature 19 has the approximate dimensions of 10.0 ft. x 10.0 ft. It is roughly circular and centered on the corner of the four units it is present within (Excavation Units 10, 11, 12, and 13). The team bisected the feature and excavated the southern half of the feature (Excavation Units 10 and 13). Level a1 was excavated as an arbitrary 0.5 ft. level and has surface dimensions of 5.0 ft. x 10.0 ft. The average opening elevation of Feature 19 is 766.333 ft. above median sea level (amsl), and the average closing elevation is 766.017 ft. amsl. The soil interior to the feature ranges roughly from 50% silt 50% clay to 80% clay 20% silt, while the surrounding matrix is roughly 80% silt and 20% clay. Both soils have the color of 10YR 3/3 (dark brown). The team recovered ceramics, glass, bone, rock, mortar, brick, charcoal, one button, metal, lithics, wood. Feature 19 still appears to have a circular shape, but the southeast quarter appears to be more shaped like a square. The team collected a 10 L soil sample from the level.

“Another interesting thing we found was the piece of a shoe bottom. The piece is fairly large and distinctly circular. We put it in a plastic bag surrounded by moist paper towel and then placed it in the fridge in the trailer.”

- Holly Brookens [NSF-REU student]

Level a2 is an arbitrary 0.5 ft. level with base dimensions of 7.0 ft. (E-W) x 2.7 ft. (N-S). The opening elevations of Level a2 average to 766.017 ft. amsl. The average closing elevation of the level is 765.430 ft. amsl. The soil of the feature is made up of 10YR 3/3 (dark brown) silty clay. The team encountered a second course of boulders and cobbles directly below those removed with the excavation

of Level a1. More stones were found in the inner portion of the feature, unlike in Level a1. These boulders form a roughly rectangular outline, with cobbles scattered throughout. The heaviest artifact concentration encountered by the team is in the northern central portion of the feature bisect. Artifacts recovered include glass, coal, two shoe fragments, two flakes, mortar, metal, ceramics, bone, one wood fragment, and one burned peach pit. The team collected a 10 L soil sample.

“Work went somewhat slowly due to tedious troweling around all of the cobbles and boulders in the feature.”

- Erin Smith [NSF-REU student]

Level a3 was excavated as an arbitrary 0.5 ft. level. It has base dimensions of 6.3 ft. (E-W) x 2.7 ft. (N-S), an average opening elevation of 765.430 ft. amsl, and an average closing elevation of 764.914 ft. amsl. The soil is 10YR 2/2 (very dark brown) silty clay. The archaeologists recovered artifacts including one peach pit, one possible clay marble, possible lithics, charcoal, mortar, brick, metal, bones, glass, and ceramics. The team collected a 10 L soil sample from the level.

“Using a deer stand to gain the proper perspective, we took two photographs of Feature 7 (base of [Level] a3).”

- Erin Smith [NSF-REU student]

The team excavated Level a4 as an arbitrary level of 0.5 ft. This level had base dimensions of 6.3 ft. amsl (E-W) x 2.8 ft. amsl (N-S). Level a4 has average opening elevations of 764.914 ft. amsl and average closing elevations of 764.347 ft. amsl. The soil of Feature 19 is 10YR 3/3 (dark brown) silty clay with pockets of 10YR 5/6 (yellowish brown) clay. In the center of the feature there is a concentration of sand with a color of 10YR 4/3 (brown). Artifacts recovered by the team include possible gaming pieces, bones, mortar, ceramics, charcoal, possible lithics, metal, and glass. Archaeologists collected a 10 L soil sample.

“The volume of artifacts has decreased significantly from Level a3 and a thousand times from Level a2. Perhaps it is because most of [Level] a4 was [made up of] rocks that were removed.”

- Holly Brookens [NSF-REU student]

Level a5 was excavated to the base of Feature 19, approximately 1.1 ft. The base dimension of this level is 6.0 ft. (E-W) x 2.1 ft. (N-S). The average opening elevation for the level is 764.347 ft. amsl, and the average of the closing elevations was 763.513 ft. amsl. The soil of Feature 19 is 10YR 3/2 (very dark greyishbrown) silty clay with pockets of 10YR 5/6 (yellowish brown) clay and 10YR 4/3 (brown) sand. The team encountered a pronounced basin shaped sand layer followed by a seed layer at 2.75 ft. below datum. Artifacts recovered include brick, mortar, charcoal, metal, glass, ceramics, lithics, and bones. Two soil samples were taken: one was a 10 L sample collected as usual and the other was a 10 L sample targeting the seed layer uncovered.

“The soil is nearly sterile of artifacts.”

- Erin Smith [NSF-REU student]

“We found a really interesting seed layer with about four different kinds of small seeds. We noticed a kind of clay layer before the seed layer.”

- Holly Brookens [NSF-REU student]

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BLOCK 4, LOT 1
 EXCAVATION UNITS 10, 11, 12, AND 13
 FEATURE 19

MEGA STRAT	LEVEL	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
III	F19, a1	10YR 3/3	SILTY CLAY	766.333 ft	766.017 ft	Feature 19 is a semi-circular concentration of cobble-sized rocks, large ceramic, fragments, metal, glass, bricks, and mortar roughly centered on the intersection of Excavation Units 10, 11, 12, and 13.
III	F19, a2	10YR 3/3	SILTY CLAY	766.017 ft	765.430 ft	A second course of cobbles and boulders were uncovered directly beneath those of Level a1. Among other historic artifacts, a nearly complete glass bottle with pontil mark was recovered.
III	F19, a3	10YR 2/2	SILTY CLAY	765.430 ft	764.914 ft	The shape of Feature 19 has become roughly rectangular with stones along the edges. Artifacts recovered from this level include 27 possible lithics and 1 glass button.
III	F19, a4	MOTTLED 10YR 3/3 10YR 5/6 10YR 4/3	SILTY CLAY	764.914 ft	764.347 ft	Artifact density decreases within this level. The roughly rectangular concentration of stones continues.
III	F19, a5	MOTTLED 10YR 3/3 10YR 5/6 10YR 4/3	SANDY CLAY	764.347 ft	763.513 ft	The archaeologists encountered a pronounced basin-shaped sand layer followed by a seed layer, which was taken as a soil sample. Additionally, historic artifacts were recovered but with decreasing frequency.

New Philadelphia Excavation Unit Summary Form

Block 4 Lot 1

Christopher Valvano

Excavation Unit 14 (N22.5 E50)

Archaeologists opened Excavation Unit 14 to expose the western edge of Feature 7, the majority of which was uncovered in the 2005 field season. The unit is a half unit, measuring 2.5 (E-W) ft. x 5.0 (N-S) ft. Levels A1-A2 are plowzone and were excavated simultaneously by the team to remove the plowzone efficiently. The plowzone's average opening elevation is 766.961 ft. above median sea level (amsl) and average closing elevation is 766.246 ft. amsl. Levels A1-A2 have a color of 10YR 3/2 (very dark grayish brown) and a texture of silty clay. Artifacts recovered from this level include brick, bone, glass, ceramics, metal, nails, charcoal, and one 1835 silver American dime.

Feature 7

Feature 7 is a concentration of large pieces of brick, stone and mortar. It is interpreted by the archaeologists as a possible pit cellar. Though the majority of this feature was uncovered in the 2005 field season, the area underneath Block 4 Lot 1 Excavation Unit 14 was unexposed, and so the remainder of Feature 7 was uncovered within this unit. The dimensions of the feature within the unit are 1.7 ft. (E-W) x 3.2 ft. (N-S).

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BLOCK 4, LOT 1
EXCAVATION UNIT 14 (N22.5, E50)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1-A2	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY CLAY	766.961 ft	766.246 ft	Historic artifacts were recovered throughout the level, including an 1835 silver dime.

New Philadelphia Feature 7 Summary Form

Block 4 Lot 1

Holly Brookens, Athena Hsieh, Erin Smith, Christopher Stawski, and Christopher Valvano

Excavation Units 1, 4, 5, 7, and 14

The archaeologists interpret Feature 7 as a possible pit cellar. It is characterized by large pieces of brick, mortar, and stone. The soil within the feature is 10YR 3/2 (very dark greyish brown), as is the surrounding matrix. The texture is fine-grained silt throughout. The surface dimensions of the feature are 10.3 ft. (E-W) x 3.5 ft. (N-S).

“What struck me most today as we were digging the backfill was how there was virtually nothing left of what used to be a very functional town from not very long ago.”

- Athena Hsieh [NSF-REU student]

The team bisected the feature, excavating the southern half including Excavation Units 1, 5, and 14. Level a1 is an arbitrary level of 0.5 ft. under Excavation Units 1 and 5. The average opening elevation of the level is 766.255 ft. above median sea level (amsl), and the average elevation on closing is 765.909 ft. amsl. The soil is 10YR 3/2 (very dark greyish brown) fine-grained silt. The dimensions of the feature in this level are 6.0 ft. (E-W) x 3.0 ft. (N-S). Archaeologists recovered artifacts from throughout this level, including ceramics, brick, stone, charcoal, metal, mortar, glass, and bone. Artifact density overall was low, and metal was the most frequently recovered artifact. Most of the metal was in the form of nails.

Level a2 is an arbitrary 0.5 ft. level, which the archaeologists excavated beneath Excavation Units 1 and 5. The average opening elevation of this level is 765.909 ft. amsl, and the average elevation on closing is 765.238 ft. amsl. The soil is 10YR 3/2 (very dark greyish brown) fine-grained silt. Artifacts the team recovered include mortar, ceramics, one shell, two buttons, glass, brick, charcoal, slag, bones, nails, and metal. Bones are the most frequently recovered artifact within this level, and artifact density has increased from that of Level a1.

Excavation Unit 14 was opened after Levels a1 and a2 of Feature 7 were excavated, so the extent of the feature beneath this level was excavated down to the base of a2 across the rest of Feature 7. Levels a1 and a2 beneath Excavation Unit 14 were excavated simultaneously. The average opening elevation of the level is 766.255 ft. amsl, and the average elevation on closing is 765.238 ft. amsl. The soil of the feature is 10YR 3/2 (very dark greyish brown) fine-grained silt. There are dense concentrations of mortar and brick within this portion of Feature 7. Artifacts recovered from within these levels include charcoal, clinker, mortar, glass, ceramics, brick, bone, nails, metal, and slag. At the close of this

excavation, Feature 7 measured 11.0 ft. (E-W) x 3.0 ft. (N-S) at the base of Level a2.

“There weren’t very many artifacts; most nails and small pieces of glass and whiteware.”

- Athena Hsieh [NSF-REU student]

The archaeologists began Level a3 as an arbitrary level of 0.5 ft. The average opening elevation of the level is 765.238 ft. amsl, and the average closing elevation is 765.049 ft. amsl. The soil of Feature 7 Level a3 is 10YR 3/1 (dark grey) silty clay. Artifacts were recovered throughout, including ceramics, two pieces of slate, metal, one shell, bone, rock, brick, one button, mortar, coal, clinker, and glass. Bone was the most frequently recovered artifact type, followed by metal. The team encountered the base of the feature 0.2 ft. to 0.3 ft. below the opening of the level.

NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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BLOCK 4, LOT 1
 EXCAVATION UNITS 1, 4, 5, 7, AND 14
 FEATURE 7

MEGA STRAT	LEVEL	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
III	F7, a1	10YR 3/2	FINE GRAINED SILT	766.255 ft	765.909 ft	Feature 7 is a possible pit cellar. It is distinguished by brick, mortar, and stone inclusions. Within this level, there was a low density of artifacts and a relatively high density of nails.
III	F7, a2	10YR 3/2	FINE GRAINED SILT	765.909 ft	765.238 ft	There is a higher artifact density than in Level a1 of the feature. The archaeologists recovered a large number of bones from this level.
III	F7, a1 & a2 UNDER EU 14	10YR 3/2	FINE GRAINED SILT	766.255 ft	765.238 ft	The area of Feature 7 underneath Excavation Unit 14 was removed in one excavation episode to the base of Level a2. There are dense concentrations of mortar and brick within this portion of Feature 7.
III	F7, a3	10YR 3/1	SILTY CLAY	765.238 ft	765.238 ft	The base of Feature 7 was found within the first 0.2 to 0.3 ft. of Level a3. Bone and metal were the most frequently recovered artifacts.

New Philadelphia Feature 13 Summary Form

Block 4 Lot 1

Holly Brookens, Athena Hsieh, Erin Smith, Christopher Stawski, and Christopher Valvano

Excavation Units 2, 3, 6, and 8

The top of Feature 13 was uncovered first in Excavation Unit 2 during the 2005 field season. Excavation Units 3, 6, and 8 were opened to pursue the boundaries of the feature. The archaeologists interpret Feature 13 to be a cistern or well due to its shape and depth. However, the feature could not be excavated in its entirety due to its depth. The surface measure of the feature is 6.0 ft. (E-W) x 6.0 ft. (N-S). The feature soil is 10YR 4/2 (dark greyish brown) silty clay, and the surrounding matrix is characterized by the same soil. The feature is distinguished by an outline of brick, rock, and mortar. The surface of Feature 13 as exposed in Excavation Units 2, 3, 6, and 8 has an irregular ovoid shape. The feature edges are extremely faint but distinguished by the presence/absence of mortar and brick fragments. The feature fill is composed of silt/clay soil with a high concentration of mortar/brick/charcoal. The fill also contains a high concentration of large burned bones and mid-19th century artifacts. The archaeologists bisected the feature, with the dividing line plotted from the northeast to the southwest, excavating the southeastern half.

The archaeologists opened Level a1 as an arbitrary level of 0.5 ft. The average opening elevation was 766.046 ft. above median sea level (amsl), and the average elevation at the close of the level is 765.447 ft. amsl. The soil of Level a1 is 10YR 4/2 (dark greyish brown) silty clay. The feature edges are extremely shallow (estimated at 20 degrees) from the first 0.2 ft. The edge angle then becomes steeper (estimated at 75 degrees) below 0.2 ft. from the ground surface. Artifacts recovered include possible gaming pieces, lithics, one fossil, mortar, one shell, bones, charcoal, glass, brick, ceramic, one altered bone, burned bone, nails, metal, slag, one small pin, and pieces of partially burned wood.

“Today is going much more smoothly than yesterday, and we are much more easily determining our walls, and working much faster as a result.”

- Athena Hsieh [NSF-REU student]

Level a2 is an arbitrary 0.5 ft. level. The average opening elevation of the level is 765.447 ft. amsl, and the average closing elevation is 764.898 ft. amsl. The soil of this level is 10YR 3/2 (very dark greyish brown) fine-grained silt. There are patches of lighter colored clayish soil. The soil is spotted with small pieces of mortar, charcoal, and brick, marking the subsoil fill of the feature. The dimensions of the feature at the base of Level a2 are 5.8 ft. (E-W) x 5.0 ft. (N-S). Artifacts recovered include bone, lithics, stones, slag, brick, mortar, one burned nut shell, metal, ceramics, glass, and charcoal.

“It was very hot today and we were bending over almost a complete foot, which was exhausting and uncomfortable.”

- Athena Hsieh [NSF-REU student]

The team excavated Level a3 as an arbitrary level of 0.5 ft. The average opening elevation of the level is 764.898 ft. amsl, while the average of the closing elevations is 764.258 ft. amsl. The soil is 10YR 3/4 (dark yellowish brown) fine grained silt with inclusions of mortar, brick, and charcoal and areas of 10YR 4/4 (dark yellowish brown) clay along the base of the level. Artifacts recovered include metal, nails, slag, charcoal, ceramics, brick, mortar, rock, glass, and bone. Glass was the most frequently recovered artifact.

Level a4 is an arbitrary 0.5 ft. level. The average opening elevation of the level is 764.258 ft. amsl, and the average closing elevation is 763.828 ft. amsl. The dimensions of the feature at the base of the level are 1.8 ft. (E-W) x 1.3 ft. (N-S). The soil within this level is 10YR 3/2 (very dark greyish brown) fine-grained silt. Artifacts recovered include metal, bone, mortar, ceramics, and glass.

“Chris V[alvano] had gotten to the site earlier, and had finished Level a4 in Feature 13.”

- Athena Hsieh [NSF-REU student]

Level a5 was intended to remove the entirety of the feature fill within the excavated bisect. However, this could not be accomplished, due to the depth of the feature. The opening elevations for the level average to 763.828 ft. amsl. The average closing elevation is 761.908 ft. amsl. The soil within Level a5 is 10YR 3/2 (very dark greyish brown) fine grained silt. Artifacts recovered include metal, nails, brick, mortar, ceramic, bone, two shell, charcoal, coal, one rock, glass, and buttons,

“Feature 13, which Chris V[alvano] and Chris S[tawski] excavated yesterday, was determined to be a well or a cistern, which may go down yet another 8 ft. or so at least. It is already over 4 feet deep.”

NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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BLOCK 4, LOT 1
 EXCAVATION UNITS 2, 3, 6, AND 8
 FEATURE 13

MEGA STRAT	LEVEL	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
III	F13, a1	10YR 4/2	SILTY CLAY	766.046 ft	765.447 ft	The soil is mottled silty clay with a high degree of compaction. Several burned artifacts were recovered, including burned bone and partially burned wood.
III	F13, a2	10YR 3/2	FINE GRAINED SILT	765.447 ft	764.898 ft	The feature is largely defined by inclusions of artifacts, mortar, brick, and charcoal. Artifacts include much bone, most burned, along with ceramics, glass, and metal. Three buttons were recovered: one made of metal and the other two of glass.
III	F13, a3	10YR 4/4	FINE GRAINED SILT	764.898 ft	764.258 ft	Artifacts in this level are dated to an earlier time period than those in the levels above. Artifacts recovered include hand-painted whiteware.
III	F13, a4	10YR 3/2	FINE GRAINED SILT	764.258 ft	763.828 ft	The base of the level is very small in area and is defined by sloped rocky walls. The soil is very loose fill. The artifact density within this level is very low.
III	F13, a5	10YR 3/2	FINE GRAINED SILT	763.828 ft	761.908 ft	The final level of Feature 13 does not reach the base of the feature. There is evidence of bioturbation in the southwest corner of the floor and wall.