

New Philadelphia Excavation Unit Summary Form

Block 8 Lot 2

Adeola Adegbola, Emily Helton, Jason Jacoby, and Hillary Livingston

Excavation Unit 1 (N115 E25)

Archaeologists began excavation of Block 8 Lot 2 Excavation Unit 1 to ground truth an anomaly found during the March 2006 geophysical survey. The team began Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation is 763.892 ft. above median sea level (amsl) and average closing elevation is 763.437 ft. amsl. The level is made up of soil that is 10YR 3/2 (very dark greyish brown) with a silty loam texture. Historic artifacts were recovered throughout the level, including: ceramic, mortar, charcoal, brick, metal, glass, and a ceramic marble. The archaeologists kept a representative sample of brick and mortar.

"We are digging in an area known as The Park."

- Hillary Livingston [NSF-REU student]

"The unit measurement is 5 by 5 feet because it's a historical site and the measurements were probably in feet."

- Adeola Adegbola [NSF-REU student]

The team began Level A2 as an arbitrary level of 0.5 ft. but stopped excavation when the top of Feature 14 was uncovered. The average opening elevation for the level is 763.437 ft. amsl, and the average closing elevation is 763.258 ft. amsl. The level is in plowzone and is made up of soil which is 10YR 3/3 (dark brown) with a silty clay texture. The southern half of the unit is mottled: 50% 10YR 3/4 (dark yellowish brown), 50% 10YR 3/2 (very dark greyish brown) and has a texture of clay. Heavy concentrations of field stone and mortar on southern edge and extending into the southern, western, and eastern walls. Artifacts recovered from Level A2 include: mortar, brick, glass, metal, charcoal, ceramic, and miscellaneous items.

"Laid out first excavation unit in Block 8, Lot 2. Resistivity test indicates an anomaly; EU1 was placed on the outer edge of this anomaly."

- Jason Jacoby [NSF-REU student]

The team closed Block 8 Lot 2 Excavation Unit 1 because a soil change was uncovered. This soil change has been designated Feature 14.

"Digging down to A2 in EU1 we discovered a feature, Feature 14 to be exact."

- Hillary Livingston [NSF-REU student]

Feature 14

Feature 14 is a soil stain in the southern half of Excavation Unit 1 Level A2. It is characterized by inclusions of large fieldstones and small but numerous pieces of mortar. The team interprets the feature as a possible cellar feature. Feature 14 is mottled soil, 50% 10YR 3/2 (very dark grayish brown), 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. The surrounding matrix in the northern half of Excavation Unit 1 is 10YR 3/3 (dark brown) silty clay. Feature 14's dimensions in the unit are 5.0 ft. (E-W) x 2.1 ft. (N-S). Feature 14 extends into the eastern, western, and southern profiles. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 2 to the east, Excavation Unit 3 to the west, and Excavation Unit 9 to the south.

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BLOCK 8, LOT 2
 EXCAVATION UNIT 1 (N115, E25)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	763.892 ft	763.437 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/3 MOTTLED 10YR 3/2 10YR 3/4	SILTY CLAY	763.437 ft	763.258 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 2 (N115 E30)

Archaeologists began excavation of Block 8 Lot 2 Excavation Unit 2 in order to further explore the boundaries of Feature 14, uncovered in Excavation Unit 1 located to the immediate east of this unit. The archaeologists began Level A1 as an arbitrary level of 0.5 ft. The average opening elevation of the level is 736.739 ft. above median sea level (amsl), and the average of the closing elevations is 763.325 ft. amsl. Level A1 is plowzone with a color of 10YR 3/2 (very dark greyish brown) and a texture of silty loam. Artifacts were recovered throughout the level including: ceramic, glass, mortar, slag, bone, lithic, a potential gaming piece, and metal. Field stone, mortar, and brick were found in the southern half of the level, as in Excavation Unit 1. The team collected a representative sample of brick and mortar.

Level A2 was opened as an arbitrary level of 0.5 ft., but the archaeologists halted excavation before this depth was reached due to the appearance of Feature 14. The average opening elevation of the level is 763.325 ft. amsl. The level's average closing elevation is 763.144 ft. amsl. There were inclusions of brick, mortar, and field stone. Artifacts recovered include: brick, ceramic, glass, mortar, possible gaming pieces, possible flakes, charcoal, metal, and clinker. The soil of Level A2 is characterized by a color of 10YR 3/3 (dark brown) outside Feature 14 and mottled 10YR 3/2 (very dark greyish brown) and 10YR 3/4 (dark yellowish brown) inside Feature 14. Both soils have a consistency of silty clay.

“Uncovered continuation of Feature 14 at the bottom of [Level] A2, manifest in a clear line of brick and mortar and a marked soil discoloration”

- Jason Jacoby [NSF-REU student]

“We took photos of EU 2, trowelled it, and came upon the feature. There was a curved line of mortar and large pieces of brick.”

- Adeola Adegbola [NSF-REU student]

The archaeologists closed Block 8 Lot 2 Excavation Unit 2 because the top of the northern border of Feature 14 was uncovered in the southern half of the unit.

Feature 14

Feature 14 is a soil stain with inclusions of large fieldstones and mortar. The team interprets Feature 14 as a possible cellar feature. Archaeologists determined that Feature 14 continues from Block 8 Lot 2

Excavation Unit 1. The feature is present in the southern half of the base of Excavation Unit 2 Level A2, with dimensions 5.0 ft. (E-W) x 2.9 ft. (N-S). The feature is made up of mottled soil with a color of 10YR 3/2 (very dark greyish brown) and 10YR 3/4 (dark yellowish brown) and a texture of silty clay. The surrounding matrix has a color of 10YR 3/3 (dark brown) and a texture of silty clay. Feature 14 continues into the southern and eastern walls of this unit. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 4 to the east and Excavation Unit 9 to the south.

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BLOCK 8, LOT 2

EXCAVATION UNIT 1 (N115, E30)

MEGASTRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	736.739 ft	763.325 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/3 MOTTLED 10YR 3/2 10YR 3/4	SILTY CLAY	763.325 ft	763.144 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 3 (N115 E20)

Archaeologists opened Excavation Unit 3 to uncover the northern boundary of Feature 14. They opened the unit immediately to the west of Excavation Unit 1. The team excavated Level A1 as an arbitrary level of 0.5 ft. The level's average opening elevation is 764.157 ft. above median sea level (amsl), and its average closing elevation is 763.652 ft. amsl. Level A1 consisted of a sod layer and plowzone soil that was 10YR 3/2 (very dark greyish brown) silty loam soil. Artifacts recovered included metal, glass, ceramic, brick, bone, milkglass buttons, and miscellaneous. The team kept a representative sample of brick and mortar from this level.

"I think that EU3 will reveal the western edge of Feature 14"

- Adeola Adegbola [NSF-REU student]

The team opened Level A2 as an arbitrary level of 0.5 ft, but halted excavation when Feature 14 was uncovered in the southeastern corner. The average opening elevation of the level is 763.652 ft. amsl, and the average closing elevation is 763.334 ft. amsl. Feature 14 has a color of 10YR 3/2 (very dark greyish brown) and a texture of silty loam, with some mortar inclusions. The soil immediately outside Feature 14 is mottled 50% 10YR 3/4 (dark yellowish brown) and 50% 10YR 3/2 (very dark greyish brown) before transitioning gradually to 10YR 3/3 (dark brown) for the majority of the base of Level A2. The texture of the non-feature soils is silty clay. Artifacts recovered from level A2 include: charcoal, brick, mortar, possible game pieces, milkglass buttons, ceramics, glass, metal, and a pig incisor. The archaeologists sampled brick and mortar from Excavation Unit 3 Level A2.

"The artifacts were actually less than expected and the feature was concentrated in the very corner of the unit. Now for the other side . . . "

- Hillary Livingston [NSF-REU student]

Feature 14

Feature 14 is a soil stain with 20% mortar and fieldstone inclusions. The team interprets Feature 14 as a possible cellar feature. Archaeologists determined that Feature 14 continues from Block 8 Lot 2 Excavation Unit 1 to the east. Within Block 8 Lot 2 Excavation Unit 3, Feature 14 has the dimensions 1.5 ft. (E-W) x 1.8 ft. (N-S). Feature 14 is 10YR 3/2 (very dark grayish brown) silty loam. The matrix immediately surrounding the feature is mottled, 50% 10YR 3/2 (very dark greyish brown) and 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. This soil then transitions to 10YR 3/3 (dark brown) silty clay without a distinct line. The team closed the unit at Level A2 when the feature was exposed at the base of the level. Feature 14 extends into the southern profile. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 9 to the south.

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BLOCK 8, LOT 2
 EXCAVATION UNIT 3 (N115, E20)

MEGASTRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	764.157 ft	763.652 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/3 MOTTLED 10YR 3/2 10YR 3/4	SILTY CLAY	763.652 ft	763.334 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 4 (N115 E35)

Excavation Unit 4 was opened by archaeologists to the east of Excavation Unit 2 in order to expose the remainder of the northern edge of the top of Feature 14. The team opened Level A1 as an arbitrary level of 0.5 ft. Level A1's average opening elevation is 763.791 ft. above median sea level (amsl), and it's average closing elevation is 763.308 ft. amsl. The level is made up of a sod layer on top of plowzone with a color of 10YR 3/2 (very dark greyish brown) and a texture of silty loam. In level A1, the team recovered ceramic, brick, mortar, plastic, charcoal, slag, possible debitage, metal, and glass. The archaeologists took a representative sample of brick and mortar.

“Began excavations of EU4, [Level] A1, and found a number of artifacts, mostly glass and ceramic sherds including one piece of whiteware with an almost intact maker's mark”

- Jason Jacoby [NSF-REU student]

The team began Level A2 as an arbitrary 0.5 ft. level, but ceased excavation when the top of Feature 14 was uncovered. The average opening elevation of the level is 783.308 ft. amsl, and Level A2's average closing elevation is 763.230 ft. amsl. The soil color of Level A2 is 10YR 4/4 (dark yellowish brown) outside the feature and 10YR 4/2 (dark greyish brown) inside the feature. The texture of both soils is silty clay. In Level A2 archaeologists recovered brick, mortar, glass, charcoal, plastic, metal, ceramic, and possible game pieces. They kept a representative sample of brick and mortar. Feature 14 is visible at the base of Level A2 in the southern half of the unit. It's dimensions within the unit measure 5.0 ft. x 2.9 ft.

“We found a huge piece of ceramic and a door hinge, which was very interesting.”

- Adeola Adegbola [NSF-REU student]

“It's amazing to think two weeks have already passed.”

- Hillary Livingston [NSF-REU student]

Feature 14

Feature 14 is characterized by a concentration of mortar, fieldstone, and brick, as well as a soil change. The team interprets Feature 14 as a possible cellar feature. Archaeologists determined that Feature 14 continues from Block 8 Lot 2 Excavation Unit 2 to the east. It's dimensions within Block 8 Lot2 Excavation Unit 4 measure 5.0 ft. (E-W) x 2.9 ft. (N-S).

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BLOCK 8, LOT 2
 EXCAVATION UNIT 4 (N115, E35)

MEGASTRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	763.791 ft	763.308 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	MOTTLED 10YR 3/4 10YR 3/3 MOTTLED 10YR 3/2 10YR 3/4	SILTY CLAY	763.308 ft	763.230 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 5 (N105 E30)

Excavation Unit 5 was opened by archaeologists to explore the eastern border of Feature 14. The northern edge of the unit is 5.0 ft. south of the southern border of Excavation Unit 4. The team opened Level A1 as an arbitrary level of 0.5 ft. The average opening elevation of Level A1 is 764.211 ft. above median sea level (amsl), and the average closing elevation is 763.773 ft. amsl. The level is sod and plowzone with soil that is 10YR 3/2 (very dark greyish brown) and has a texture of silty loam. In Level A1 the team recovered historic artifacts throughout the level including brick, mortar, ceramic, metal, glass, and a possible button fragment. The archaeologists sampled brick and mortar from this level.

“The soil had been really moist, which made it very easy to dig, but when it came down to sifting it was extremely difficult because the soil kept sticking to the screen.”

- Adeola Adegbola [NSF-REU student]

Level A2 was an arbitrary level of 0.5 ft., but the archaeologists halted excavation when the top of Feature 14 was uncovered. The average opening elevation of the level is 763.773 ft. amsl, and the average of the closing elevations taken is 763.452 ft. amsl. The level is made up of 10YR 3/2 (very dark greyish brown) silty loam within the feature, with a surrounding matrix of 10YR 3/3 (dark brown) silty clay. The archaeologists recovered artifacts including metal, glass, brick, and ceramics.

“We found some pretty interesting ceramics, including a piece of banded yellowware and a hand-rolled clay marble”

- Jason Jacoby [NSF-REU student]

“We finished [Level] A2 in EU5, although the soil coloration we expected to see, distinguishing the feature, was absent.”

- Hillary Livingston [NSF-REU student]

Block 8 Lot 2 excavation Unit 5 was closed when the top of Feature 14 was uncovered. In this unit, there is no clear line between the feature fill and the subsoil.

Feature 14

Feature 14 is a soil stain with 20% mortar and fieldstone inclusions. The team interprets Feature 14 as a possible cellar feature. Within Block 8 Lot 2 Excavation Unit 5, Feature 14 has the dimensions 1.5 ft. (E-W) x 4.5 ft. (N-S) and is roughly L-shaped along the northern and western edges of the unit.

These dimensions were determined upon excavation of the feature due to the fact that the soil change was undetectable when Excavation Unit 5 was first uncovered to Level A2. Feature 14 is mottled soil, 50% 10YR 3/2 (very dark grayish brown), 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. The surrounding matrix is 10YR 3/3 (dark brown) silty clay. The team closed the unit at Level A2 when the feature was exposed at the base of the level. Feature 14 extends into the western and northern profiles. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 6 to the north and Excavation Unit 9 to the west.

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BLOCK 8, LOT 2
 EXCAVATION UNIT 5 (N105, E30)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	764.211 ft	763.773 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/3 10YR 3/2	SILTY LOAM, SILTY CLAY	763.773 ft	763.452 ft	Artifact density increased overall, but the types of artifacts decreased. Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 6 (N110 E30)

The team opened Excavation Unit 6 in order to expose the eastern edge of Feature 14. The unit is to the south of Excavation Unit 4 and to the north of Excavation Unit 5. The team opened Level A1 as an arbitrary 0.5 ft. level. The average of Level A1's opening elevations is 764.039 ft. above median sea level (amsl), and the closing elevation average is 763.569 ft. amsl. The soil of Level A1 is 10YR 3/2 (very dark greyish brown) silty loam. Artifacts recovered include metal, glass, ceramics, and one clay marble.

"I found a very interesting piece of ceramic that had pine trees on it."

- Adeola Adegbola [NSF-REU student]

Level A2 was opened as an arbitrary level of 0.5 ft., but the archaeologists stopped excavation before this level was reached due to the appearance of Feature 14 along the northern and western edges of the unit. The average opening elevation of the level is 763.569 ft. amsl. The average closing elevation of Level A2 is 763.384 ft. amsl. Within Excavation Unit 6, the soil of Feature 14 is 10YR 3/2 (very dark greyish brown) silty loam. The surrounding matrix is made up of soil with the color 10YR 3/3 (dark brown) and a texture of silty clay. Historic artifacts were recovered throughout the level including ceramics, buttons, brick, one bone, plastic, charcoal, glass, metal, and one possible lithic. The team collected a representative sample of brick.

Excavation Unit 6 was closed by the archaeologists when they detected Feature 14 in the unit.

Feature 14

Feature 14 is a soil stain with 20% mortar and fieldstone inclusions. The team interprets Feature 14 as a possible cellar feature. Archaeologists determined that Feature 14 continues from Block 8 Lot 2 Excavation Unit 4 to the north and Excavation Unit 5 to the south. The feature extends in an L-shape along the northern and western walls of Block 8 Lot 2 Excavation Unit 6. Along the northern edge it measures approximately 1.2 ft. (E-W) x 4.3 ft. (N-S), and along the western profile it extends 5.0 ft. (E-W) x 1.3 ft. (N-S).. Feature 14 is mottled soil, 50% 10YR 3/2 (very dark grayish brown), 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. The surrounding matrix is 10YR 3/3 (dark brown) silty clay. The team closed the unit at Level A2 when the feature was exposed at the base of the level. Feature 14 extends into the western profile. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 9 to the west.

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BLOCK 8, LOT 2
 EXCAVATION UNIT 6 (N110, E30)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	764.039 ft	763.569 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/3 10YR 3/2	SILTY CLAY	763.569 ft	763.384 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 7 (N100 E30)

The team opened Excavation Unit 7 in order to determine the southern extent of Feature 14. Excavation Unit 7 was opened to the southwest of Excavation Unit 5. Archaeologists began Level A1 as an arbitrary 0.5 ft. level. Level A1 has an average opening elevation of 764.179 ft. above median sea level (amsl), and an average closing elevation of 763.967 ft. amsl. The soil was 10YR 3/2 (very dark greyish brown) silty loam. Historic artifacts were recovered throughout the level including mortar, brick, charcoal, one button, ceramics, metal, glass, and lithics. The team sampled brick and mortar.

Level A2 was begun as an arbitrary 0.5 ft. level, but the archaeologists halted excavation when Feature 14 was uncovered in the northwest corner. The average opening elevation of the level is 763.967 ft. amsl. Level A2's average closing elevation is 763.647 ft. amsl. Within Feature 14 the soil of Level A2 is 10YR 3/2 (very dark greyish brown) with a texture of silty loam, while outside Feature 14 the soil has a color of 10YR 3/3 (dark brown) and a texture of silty clay. Artifact density increased slightly in this level, glass recovered in particular doubling in number. Other artifacts recovered include mortar, brick, metal, ceramics, one lithic, and charcoal. The team collected a representative sample of brick and mortar.

“EU7 is now down to [Level] A2 and is showing feature 14 along the west wall. . . Right angles and straight lines are cropping up [in EU6 and EU7] which I’m not sure how to interpret.”

- Hillary Livingston [NSF-REU student]

Excavation of Block 8 Lot 2 Excavation Unit 7 was halted when Feature 14 was uncovered. The archaeologists profiled the northern wall of the unit and mapped Feature 14 into the plan view.

Feature 14

Feature 14 is a soil stain with 20% mortar and fieldstone inclusions. The team interprets Feature 14 as a possible cellar feature. Within Block 8 Lot 2 Excavation Unit 7, Feature 14 has the dimensions 2.6 ft. (E-W) x 2.3 ft. (N-S). Feature 14 is mottled soil, 50% 10YR 3/2 (very dark grayish brown), 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. The surrounding matrix is 10YR 3/3 (dark brown) silty clay. The team closed the unit at Level A2 when the feature was exposed at the base of the level. Feature 14 extends into the western and northern profiles. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 8 to the west and Excavation Unit 9 to the

north.

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BLOCK 8, LOT 2
 EXCAVATION UNIT 7 (N100, E30)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	764.179 ft	763.967 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/3 10YR 3/2	SILTY CLAY	763.967 ft	763.647 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 8 (N105 E15)

The team opened Excavation Unit 8 in order to fully expose the southern boundary of Feature 14. In order to accomplish this efficiently, the archaeologists made Excavation Unit 8 a 10.0 ft. x. 5.0 ft. unit with its longest sides on the north and south. Level A1 is an arbitrary 0.5 ft. level. It has an average opening elevation of 764.483 ft. above median sea level (amsl) and an average closing elevation of 764.212 ft. amsl. The soil is silty loam with a color of 10YR 3/2 (very dark greyish brown). Historic artifacts were recovered throughout the level, including glass, ceramics, metal, brick, mortar, and one bead. Glass was the most frequently recovered artifact. The team kept a representative sample of brick and mortar.

“It’s a 5x10 [ft.] unit perched on a hill on one edge and in a plow furrow on the eastern edge. . . excavating has been slow.”

- Jason Jacoby [NSF-REU student]

“Jason found a ceramic bead, [and] for the day that was the highlight.”

- Hillary Livingston [NSF-REU student]

Level A2 was an arbitrary 0.5 ft. level. The average opening elevation of the level is 764.212 ft. amsl, and Level A2’s closing elevations average to 764.039 ft. amsl. The soil of this level is 10YR 3/2 (very dark greyish brown) silty loam. The archaeologists recovered artifacts from throughout the level, including glass, metal, ceramic, charcoal, brick, and one button. The team kept a representative sample of brick.

“Today was the hottest day ever!”

- Hillary Livingston [NSF-REU student]

The archaeologists began Level A3 as an arbitrary level of 0.5 ft. but stopped excavation when the top of Feature 14 was uncovered along the northern boundary. Level A3’s opening elevations average to 764.039 ft. amsl. Initially, the team attempted to follow the natural strata, and leave the western half of the level unexcavated. Later they determined that the feature extended under this stratum, and so removed the remainder of Level A2 in a second excavation episode. The closing elevations were taken before this second excavation and average to 763.833 ft. amsl. Within Feature 14 the soil is 10YR 3/2 (very dark greyish brown) silty loam. Immediately outside of the feature the soil is mottled 90% 10YR 3/2 (very dark greyish brown) with 10% 10YR 4/4 (dark yellowish brown), but this gradually transitions to 10YR 3/3 (dark brown) subsoil across the rest of the level. Historic artifacts recovered include glass, mortar, ceramics, metal, and one possible gaming piece. The team kept a representative sample of mortar.

“Along with the feature came associated artifacts . . . this got me pretty excited, because the feature was right where we had predicted it to be.”

- Jason Jacoby [NSF-REU student]

Feature 14

Feature 14 is a soil stain with 20% mortar and fieldstone inclusions. The team interprets Feature 14 as a possible cellar feature. Archaeologists determined that Feature 14 continues from Block 8 Lot 2 Excavation Unit 7 to the east. Within Block 8 Lot 2 Excavation Unit 8, Feature 14 has the dimensions 6.5 ft. (E-W) x 4.3 ft. (N-S). Feature 14 is mottled soil, 50% 10YR 3/2 (very dark grayish brown), 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. The surrounding matrix in the southern portion of Excavation Unit 8 is 10YR 3/3 (dark brown) silty clay. The team closed the unit at Level A3 when the feature was exposed at the base of the level. Feature 14 extends into the northern profile. Archaeologists further investigated Feature 14 in Block 8 Lot 2 Excavation Unit 9 to the north.

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BLOCK 8, LOT 2
 EXCAVATION UNIT 8 (N105, E15)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SILTY LOAM	764.483 ft	764.212 ft	The level is mostly sod, but historic artifacts were recovered throughout.
I	A2	PLOW ZONE	10YR 3/2	SILTY CLAY	764.212 ft	764.039 ft	Fieldstone begins to appear at the base of this level, possibly associated with the top of Feature 14.
I	A3	PLOW ZONE	10YR 3/3 10YR 3/2 MOTTLED 10YR 3/2 10YR 4/4	SILTY CLAY	764.039 ft	763.833 ft	Excavation of the unit was halted when the top of Feature 14 was uncovered.

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Excavation Unit 9 (N110 E30)

The team opened Excavation Unit 9 in order to fully expose the southern boundary of Feature 14. In order to accomplish this efficiently, the archaeologists made Excavation Unit 9 a 10.0 ft. x. 15.0 ft. unit with its longest sides on the north and south. The archaeologists opened Levels A1-A3 simultaneously and excavated the unit to the level of Feature 14, removing the entire plowzone in one layer. The average opening elevation of the plowzone is 764.274 ft. above median sea level (amsl), and the average closing elevation is 763.548 ft. amsl. The unit is made up predominantly of 10YR 3/2 (very dark greyish brown) silty loam soil. At the base of Level A3, Feature 14 is visible, with a soil of 10YR 3/2 (very dark greyish brown) silty loam associated. The surrounding matrix is 10YR 3/3 (dark brown) silty clay. The team encountered high artifact density across the unit, and the artifacts recovered include ceramics, glass, metal, buttons, charcoal, slag, mortar, plastic, brick, lithics, bone, one possible game piece, and one piece of worked sandstone. The team collected a representative sample of brick, mortar, charcoal, and worked sandstone.

“Today was Dig Party 2006!”

- Adeola Adegbola [NSF-REU student]

“Morning was awesome; it’s the coolest day so far (both literally and figuratively) . . . afternoon was hotter and less exciting, though it was fun seeing Dr. Shackel taking photos from atop a deer stand”

- Jason Jacoby [NSF-REU student]

At the base of Block 8 Lot 2 Excavation Unit 9, Feature 14 is visible, and so archaeologists halted excavations. Initially, the team believed that the entirety of the top of Feature 14 was visible at the close of this unit, but it was later determined that the feature extended into the eastern profile of Excavation Unit 4. Excavation Unit 9 was closed at the end of this level, and no walls were profiled.

“This morning we spent 1 1/2 hours counting our artifacts from EU9! We had over 1,000 pieces of glass!”

- Hillary Livingston [NSF-REU student]

Feature 14

Feature 14 is a soil stain with 20% mortar and fieldstone inclusions. The team interprets Feature 14 as a possible cellar feature. Archaeologists determined that Feature 14 continues from Block 8 Lot 2 Excavation Units 1, 2, and 3 to the north, Excavation Units 5 and 6 to the east, and Excavation Units 7 and 8 to the south. Within Block 8 Lot 2 Excavation Unit 9, Feature 14 has the dimensions 10 ft. (E-W) x 14.7 ft. (N-S). Feature 14 is mottled soil, 50% 10YR 3/2 (very dark grayish brown), 50% 10YR 3/4 (dark yellowish brown) and has a texture of silty loam. The surrounding matrix in the western part

of Excavation Unit 9 is 10YR 3/3 (dark brown) silty clay. The team closed the unit at Level A3 when the feature was exposed at the base of the level. After the excavation of Excavation Unit 9, Feature 14 was almost entirely exposed and no further units were opened.

NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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BLOCK 8, LOT 2
 EXCAVATION UNIT 9 (N110, E30)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1-A3	SOD LAYER/ PLOW ZONE	10YR 3/3 10YR 3/2	SILTY LOAM	764.274 ft	763.548 ft	The entire plowzone in Excavation Unit 9 was removed in one excavation episode to fully reveal the top of Feature 14.

New Philadelphia Feature 14 Summary Form

Block 8 Lot 2

Adeola Adegbola, Emily Helton, Jason Jacoby, and Hillary Livingston

Excavation Units 1, 2, 3, 4, 5, 6, 7, 8, and 9

Archaeologists have interpreted Feature 14 as a cellar feature. It was first encountered in the southern half of Block 8 Lot 2 Excavation Unit 1, and the remaining eight Excavation Units were opened to further explore the boundaries of Feature 14. It is characterized by a subtle soil change and 20% mortar, plaster, and fieldstone inclusions across the surface. The surface presentation of Feature 14 has dimensions of 18.6 ft. (E-W) x 16.1 ft. (N-S). The average elevation of the top of the feature across all opened units is 763.501 ft. above median sea level (amsl). The soil of the feature is 50% 10YR 3/2 (very dark grayish brown) and 50% 10YR 3/4 (dark yellowish brown), with a texture of silty loam. The soil matrix outside of the feature boundary in Excavation Units 1 through 9 is 10YR 3/3 (dark brown) silty clay.

“Today we bisected the feature”

- Adeola Adegbola [NSF-REU student]

“Sweat bees have shown up en force.”

- Jason Jacoby [NSF-REU student]

Archaeologists bisected Feature 14 in an east-west direction, which encompasses Block 8 Lot 2 Excavation Units 1, 2, 3, 4, 6, and 9. The average elevation across the top of this bisect is 763.538 ft. amsl. Level a1 was an arbitrary level of 0.5 ft. and has surface dimensions of 18.6 ft. (E-W) x 8.0 ft. (N-S). Level a1 has an average opening elevation of 763.416 ft. amsl and an average closing elevation of 762.880 ft. amsl. Level a1 is 10YR 3/2 (very dark greyish brown) soil with a texture of silty clay. The team recovered ceramic, charcoal, lithics, mortar, brick, one doll part, plastic, bone, metal, and glass. Glass was the most frequently recovered artifact type, while ceramics were found relatively infrequently. The archaeologists sampled brick, mortar, and charcoal. They collected a 10 L unscreened soil sample from within Level a1 of Feature 14.

“It’s really difficult to tell how deep our feature really is, because in places it seems like the subsoil is creeping in, but we’re hitting another rubble layer mixed with mortar as well.”

- Jason Jacoby [NSF-REU student]

Archaeologists excavated Level a2 as an arbitrary 0.5 ft. level. Level a2 has an average opening elevation of 762.880 ft. amsl and an average closing elevation of 762.354 ft. amsl. The base of this level has dimensions of 16.1 ft. (E-W) x 16.0 ft. (N-S). The soil is 10YR 3/2 (very dark greyish brown) silty clay. The team encountered two ash lenses, both of which are visible in the profile, one on the western side and one on the eastern side. The team recovered historic artifacts from throughout the level, including bone, ceramic, buttons, one doll part, one brass key, shell, glass, one possible game

piece, and charcoal. The team sampled charcoal and collected a 10 L unscreened soil sample from the level.

“Today we found a key, the behind of our porcelain doll, lots of big metal (part of a wagon or a barrel maybe), glass, and ceramic.”

- Hillary Livingston [NSF-REU student]

Archaeologists excavated Level a3 as an arbitrary 0.5 ft. level. The average opening elevation of the level is 762.354 ft. amsl. The average closing elevation of Level a3 is 761.705 ft. amsl. The dimensions of the feature at the base of this level are 13.1 ft. (E-W) x 6.3 ft. (N-S). The soil of this level is mottled sandy clay and varies from 80% 10YR 3/2 (very dark greyish brown) to 20% 10YR 4/4 (dark yellowish brown) around the edges of the level to a 60%/40% mix in the center. Artifacts recovered include mortar, brick, charcoal, buttons, ceramic, fossils, lithics, one piece of leather, one piece of wood, glass, bones, plastic, metal.

“Today I shoveled . . . A LOT.”

- Jason Jacoby [NSF-REU student]

“Once we ripped the rocks from [Level] a3 we were back to shovels, thanks goodness, and we actually got quite a lot done”

- Hillary Livingston [NSF-REU student]

The team removed Level a4 to the depth of Feature 14’s base in order to fully excavate the bisected feature before the end of the field season. The average elevation of the top of this level is 761.705 ft. amsl, and the average elevation at the base of level a4 is 760.730 ft. amsl. The basal dimensions of the bisected feature are 10.0 ft. (E-W) x 6.3 ft. (N-S). The soil is 90% 10YR 5/4 (yellowish brown) clay and 10% 10YR 3/2 (very dark greyish brown) silty clay. The base of the feature is 10YR 5/4. The floor of Feature 14 is not smooth, but is marked by many small depressions and indentations of varying shapes and sizes, many of which contained artifacts and some of which contained soil with a higher sand content or a greater charcoal density. The team recovered artifacts throughout the level, including metal, glass, ceramic, bone, buttons, slate, brick, mortar, lithics, leather, beads, one mason jar, one comb, and one eggshell. One metal artifact was too fragile to be removed intact, so it was photographed *in situ* just above the base of Level a4 in the southwestern quadrant. The team sampled brick and mortar.

“Today we finally got it down to level by troweling. My wrists hurt, but I’m lovin’ it.”

- Hillary Livingston [NSF-REU student]

“We pulled out so many wonderful artifacts today, we got some leather bits and shoe buckles, a nearly complete mason jar with the [patent] date on it, and a pig mandible.”

- Adeola Adegbola [NSF-REU student]

“Even the floor itself is awesome, with post holes dotting the subsoil.”

- Jason Jacoby [NSF-REU student]

Based on the artifacts recovered, archaeologists date the fill of this cellar feature to the 1860s.

“I have definitely learned a lot about the practice of archaeology. Not just technical information, but ideological as well. It’s been hard adjusting but well worth it.”

- Hillary Livingston [NSF-REU student]

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BLOCK 8, LOT 2
 EXCAVATION UNITS 1, 2, 3, 4, 5, 6, 7, 8, AND 9
 FEATURE 14

MEGA STRAT	LEVEL	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
III	F14, a1	10YR 3/2	SILTY CLAY	763.416 ft	762.880 ft	Feature 14 is characterized by mortar inclusions and a soil change of varying differentiability, with some rock and brick inclusions. The team excavated the northern half of Feature 14. 35% rock inclusions found at the base of Level a1.
III	F14, a2	10YR 3/2	SILTY CLAY	762.880 ft	762.354 ft	This level had a relatively low artifact density. Many rocks were removed from this level, and make up a lens that is visible in the profile of Feature 14. Two ash lenses were encountered, both of which are visible in the profile.
III	F14, a3	MOTTLED 10YR 3/2 10YR 4/4	SILTY LOAM, SILTY CLAY	762.354 ft	761.705 ft	The rock lens ends at the top of this level, and the soil beneath is mottled. Artifact density is once again high.
III	F14, a4	MOTTLED 10YR 5/4 10YR 3/2	CLAY	761.705 ft	760.730 ft	Artifact density increased, with number of bones doubling and number of metal objects more than doubling. The base of the feature is not a smooth surface, but has many depressions.