

Chapter 4: Archaeological Excavation on Beaver Island

The archaeological field investigation was conducted in accordance with the Secretary of the Interior's *Standards for Archaeology and Historic Preservation* (38 FR 44716) and current guidelines of the Michigan Department of Natural Resources, Division of Historic Preservation and Archaeology. All activities were conducted under the direction of Principal Investigator and RPA-certified archaeologist Dr. Deb Rotman, University of Notre Dame.

Field investigations were conducted between July 15-20, 2012 at the Dan and Catherine Boyle Farm Site (20CX204) (Figure 4.1). No structures, barns or other agricultural outbuildings were extant. The former cellar was visible as an open hole measuring 3.8 m x 2.5 m.

Field conditions were of mixed quality. Some days were lovely with mild temperatures and bright sunshine. Several field days, however, were affected by extreme heat with temperatures over 90° and heat indices well over 100°. Field technicians were all students from the University of Notre Dame and volunteers from the general public who were closely supervised by the staff throughout the project.

Ground conditions at the time of the investigation consisted of over-grown lawn with 0% surface visibility (Figure 4.2). Methods of investigation included hand-excavated units. We excavated 11 units during the course of the project for a total of 11 m² (Figure 4.3). Units were placed around the yard, sampling the midden deposits around the open cellar hole.

Units were excavated in arbitrary 3 cm or natural levels depending on the stratigraphy present (plow zone versus buried A-horizon). Excavation was terminated 10 cm into culturally sterile subsoil. All soil was screened through ¼ inch mesh. All cultural materials recovered from the site were analyzed and temporarily curated at the University of Notre Dame along with all attendant documentation (Accession #2012.01). Upon completion of the analyses and final reporting, all project materials – notes, maps, artifacts, and other data – will be curated with the Beaver Island Historical Society.

After each day's excavation was completed, the clearly provenienced artifact bags were transported to the temporary archaeological laboratory at the Brothers' Place. Upon arrival at the laboratory, each bag was catalogued and assigned an inventory number. The contents of each bag were cleaned, sorted, counted, and weighed. Preliminary processing and analysis occurred while still on Beaver Island. Additional processing and more detailed analyses were completed in the Reyniers lab at the University of Notre Dame during the subsequent academic year. Laboratory processing, identification, and cataloguing were completed according to standard archaeological protocol and in compliance with guidelines established by the Division of Historic Preservation and Archaeology, Department of Natural Resources.

[This research project and report of investigations is closely connected with previous field excavations on the island. Interested parties are encouraged to read Rotman et al. (2011, 2013) as well for additional information regarding the 2010-2011 field seasons.]

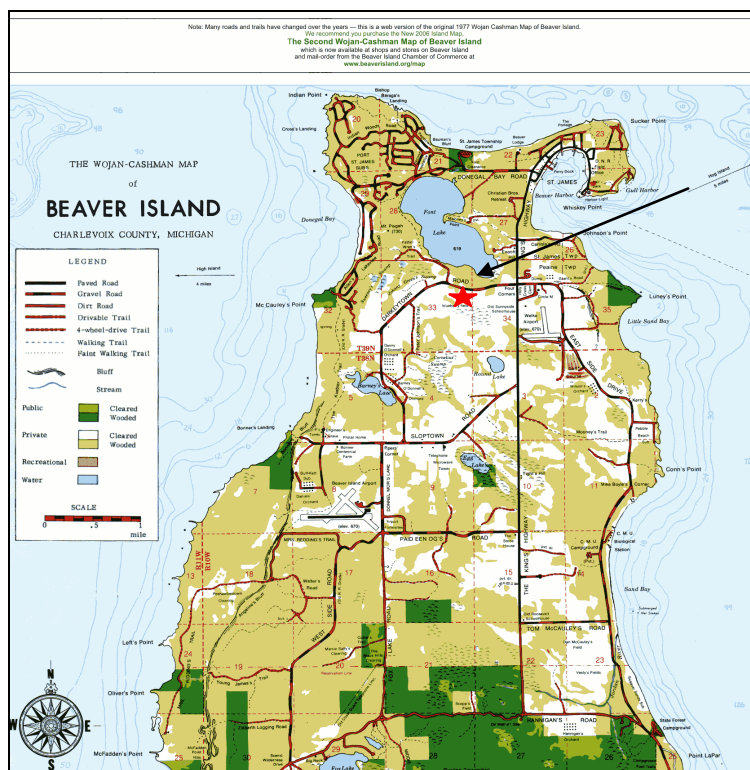


Figure 4.1. Location of the Dan and Catherine Boyle Farm Site (20CX204) on Beaver Island. Image used courtesy of the *Beaver Beacon*.



Figure 4.2. Field conditions at the Dan and Catherine Boyle Farm Site (20CX204). Facing northwest. Photograph taken by the author.

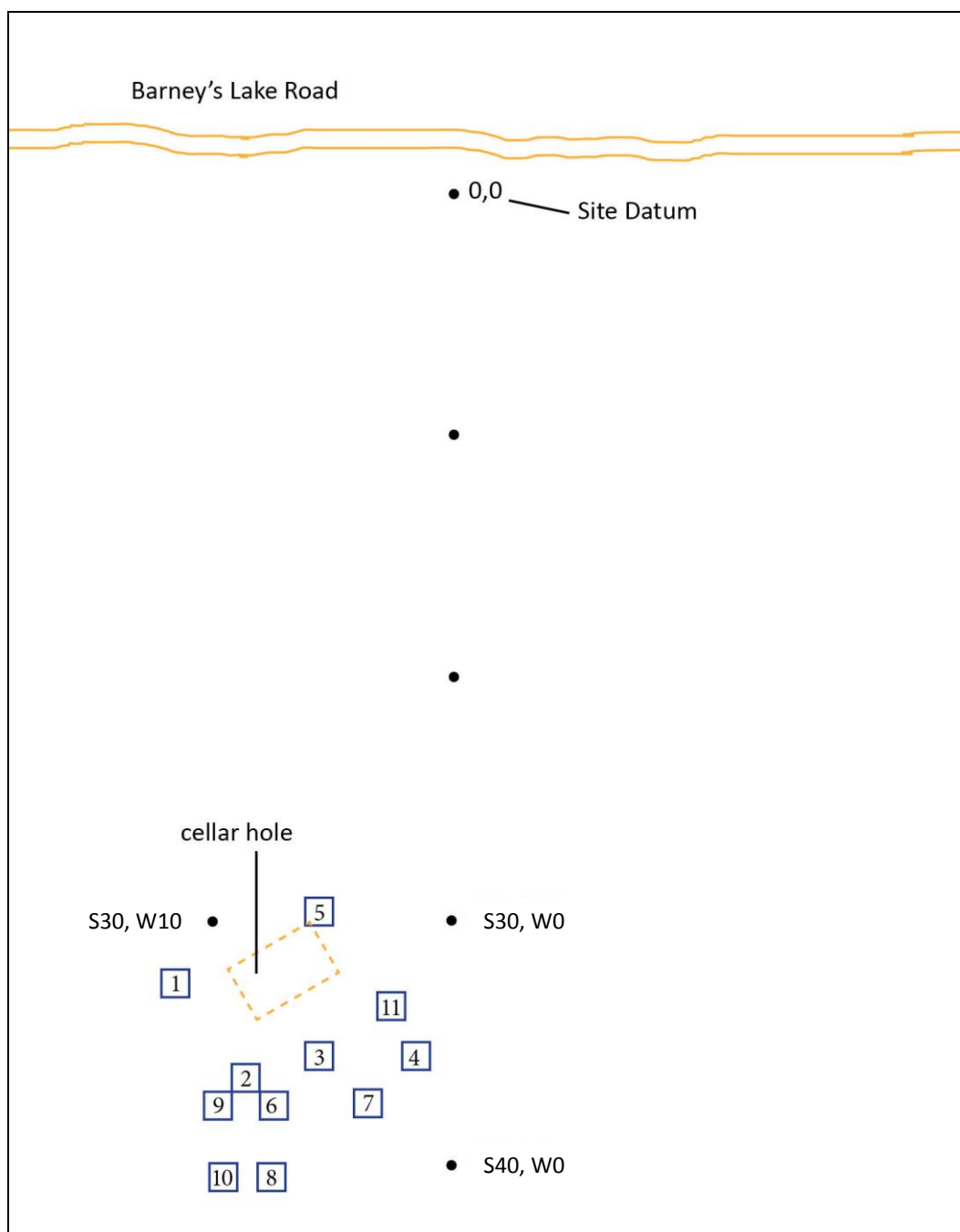


Figure 4.3. Site map showing locations of excavation units. Each square = 1 m². North is to the top of the page. Drawn by Elizabeth Maurath.

Unit Summaries

We excavated 11 1 x 1 m units during the course of the project for a total of 11 m². A narrative summary of the excavation of each unit is presented below:

Unit Number: 1

Coordinates: S33 W12

Dates of Excavation: 16 July 2012- 18 July 2012

The location for Unit 1 was selected because of its proximity to the eastern edge of the open cellar hole. In addition, there was a shallow depression with an extant cobblestone at the surface. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through 1/4" mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the southwest (SW) corner.

Level 0

The excavation objectives for Level 0 were to document what appears at the ground surface and to take initial measurements. The beginning elevations (cm) were as follows: NE 14.0, SE 11.5, SW 10.0, NW 14.5, Center 16.4. The ground surface was grassy and included dead leaves, twigs, and leaf litter. Level 0 contained no artifacts.

Level 1

The beginning elevations (cm) of Level 1 were as follows: NE 14.0, SE 11.5, SW 10.0, NW 14.5, Center 16.4. The excavation objectives of Level 1 were to remove the top layer of grass and sod. A shovel was used to remove the humus layer. The excavators were careful to preserve the sod at the request of the landowner. Beneath the humus layer the excavators encountered lots of roots of various widths. Level 1 yielded a low artifact density, as all that was found was one metal wire. The soil was 10YR 3/1 "very dark grey" grainy, fine sand. The moisture content of the soil was low, as it was dry. The inclusions in the soil were roots and rocks. The depth of excavation for this level began at 10.0 cm and ended at 19.2 cm.

Level 2

The beginning elevations (cm) of Level 2 were as follows: NE 23.5, SE 19.2, SW 24, NW 22.3, Center 23.5. The excavation objectives of Level 2 were to level out the unit and obtain artifacts. By the end of the level, the unit floor was much more level, with a small ditch along the west side that was around 4 cm deeper than the rest, a big rock in the NW corner, and a soft white rock on the east wall. The soil was fairly uniform across the unit, and the excavators interpreted the level as being in the midden. The soil was 10YR 3/1, which is described as "very dark grey." The texture of the soil was grainy, fine, and a combination of dirt and sand. The moisture content of the soil was low, as the soil was fairly dry. Inclusions in the soil were roots and some small rocks. Artifacts recovered were a ceramic sherd (handle), wire, nails, and a washer. The depth of excavation for this level began at 19.2 cm and ended at 24 cm.

Level 3

The beginning elevations (cm) of Level 3 were as follows: NE 23.8, SE 24, SW 24, NW 24, Center 24. The excavation objectives for level 3 were to dig 3 cm across the unit to reach a 27 cm depth and recover any artifacts found. Three centimeters was successfully excavated across the unit. There were still a lot of roots as well as the big rock in the NW corner and a small metal piece jutting out of the north wall, close to the NW corner. Artifacts recovered were metal pieces, with one seeming to be a decorative butterfly broach or pin, glass shards, and a very small amount of charcoal. The soil was 10YR 3/2, described as "very dark greyish brown." The texture of the soil was grainy with a combination of sand and organic material. The moisture content of the soil was low. The depth of excavation began at 23.8 cm and ended at 27 cm. The ending elevations (cm) were as follows: NE 27, SE 27, SW 27, NW 27, Center 28.

Level 4

The beginning elevations (cm) of Level 4 were as follows: NE 27, SE 27, SW 27, Center 28. The excavation objectives of the level were to dig a 3 cm level across the unit and recover any artifacts found. There was a slight color change in the soil – it became slightly browner and there were patches across the unit. There were still a lot of roots, and they caused the excavators to have trouble keeping the walls of the unit straight. There was still a metal piece jutting out of the north wall. Inclusions in the soil were bugs. The

soil was 10YR 3/4, which was described as a dark yellowish brown. The texture of the soil was a very fine grain sand and the moisture content was getting a little damper. However, the sun had come out at the site, so the soil was drying up. Artifacts recovered were metal pieces, glass shards, and nails. The excavators recovered primarily architectural debris. The depth of Level 4 began at 27 cm and ended at 20 cm. The ending elevations (cm) were: NE 30, SE 30, SW 30, NW 30, Center 30.

Level 5

The beginning elevations (cm) of Level 5 were as follows: NE 30, SE 30, SW 30, NW 30, Center 30. The excavation objectives of this level were to dig a 3 cm level across the unit and recover any artifacts found. There was a color change in the soil, causing the excavators to believe they might be reaching the subsoil. There were lots of small rocks and large and small roots at this level. The weather was hot, but it was slightly overcast. Artifacts recovered were a metal handle of a butter knife, metal pieces, a shard of glass, a nail, and a possible bone. The excavators interpreted that they were reaching the end of cultural deposits in the unit. The soil had a Munsell reading of 10YR 4/2 dark greyish brown and 10YR 4/4 dark yellowish brown. The texture of the soil was fine, grainy sand, and its moisture content was low. The depth of excavation at this level began at 30 cm and ended at 34 cm. The ending elevations (cm) of Level 5 were as follows: NE 33.5, SE 34, SW 33, NW 34, Center 33.

Level 6

The beginning elevations (cm) of Level 6 were as follows: NE 33.5, SE 34, SW 33, NW 34, Center 33. The excavation objectives for the level were to dig a 3 cm level across the unit and recover any artifacts found. There were lots of large and small roots in the level. The soil had a Munsell reading of 10YR 4/4 dark yellowish brown and 10YR 3/2 very dark greyish brown. The soil had a sandy and grainy texture. Its moisture content was slightly damp. The artifacts recovered in Level 6 were nails, ceramic sherds, and glass. The depth of excavation began at 29.5 cm and ended at 38 cm. Ending elevations (cm) were NE 36, SE 36, SW 38, NW 36, Center 37.

Level 7

The beginning elevations (cm) of Level 7 were as follows: NE 36, SE 36, SW 38, NW 36, Center 37. The excavation objective was to reach a 39 cm depth and recover artifacts found. The excavators once again interpreted that they were nearing the end of the unit's cultural deposits. In Level 7, they encountered lots of roots and very few artifacts. They probed the soil and saw no differentiation for at least 40 cm. The soil was 10YR 4/3, which is described as "brown." The soil had a fine and grainy texture and was slightly damp. Artifacts recovered were a glass shard and a single nail. The depth of excavation of this level began at 36 cm and ended at 40 cm. The ending elevations (cm) were: NE 39.5, SE 39, SW 39, NW 39, and Center 40.

Level 8

The beginning elevations (cm) of Level 8 were as follows: NE 39.5, SE 39, SW 39, NW 39, and Center 40. The excavation objectives were to reach a depth of 42 cm and recover artifacts found. Orange patches were observed in the soil. The soil had a Munsell reading of 10YR 3/6 dark yellowish brown and 10YR 3/2 very dark greyish brown. The texture of the soil was grainy and rough, and it was dry. Inclusions in the soil for this level were roots. Artifacts recovered were shards of glass, nails, and a piece of shoe leather. The depth of excavation at this level began at 39 cm and ended at 42.5 cm. The ending elevations (cm) were as follows: NE 42.5, SE 42, SW 42.5, NW 42, Center 42.

Level 9

The beginning elevations (cm) of Level 9 were as follows: NE 42.5, SE 42, SW 42.5, NW 42, Center 42. The excavation objectives were to reach a 45 cm depth and recover artifacts found. The excavators encountered lots of large roots and soil deposits that made maintaining an even level difficult. The soil had a Munsell reading of 10YR 5/3 (brown) in the SE, SW, and NW corners, with a reading of 10YR 3/6 (dark yellowish brown) in the NE corner. The soil had a grainy texture and was dry. Artifacts recovered were nails,

ceramics, glass, and leather. The depth of excavation at this level began at 42 cm and ended at 47 cm. The ending elevations (cm) were as follows: NE 47, SE 45, SW 47, NW 46, and Center 46.

Level 10

The beginning excavation (cm) of this level was as follows: NE 47, SE 45, SW 47, NW 46, and Center 46. The excavation objectives were to reach a 49 cm depth and recover all artifacts found. The excavators encountered lots of large roots at this level. The soil color was changing, and the excavators only dug the SE, SW, NW, and center at this level. The soil had a Munsell reading of 10YR 3/2 very dark greyish brown in the SE, SW, NW, and center, and 10YR 3/6 dark yellowish brown in the NE corner. The soil was sandy and dry. Artifacts recovered were ceramic, glass, and a nail.

Profile

A profile of the north wall was drawn for Unit 1 (Figure 4.4). The profile of this unit includes two major zones of soil. The first zone was a sandy loam humus layer that contained roots, and had a Munsell reading of 10YR 3/2, which is described as “very dark greyish brown.” The second zone was a sandy subsoil with a Munsell reading of 10YR 4/6, which is described as “dark yellowish brown.” Overall, the unit produced a relatively small amount of artifacts, most of which were architectural debris.

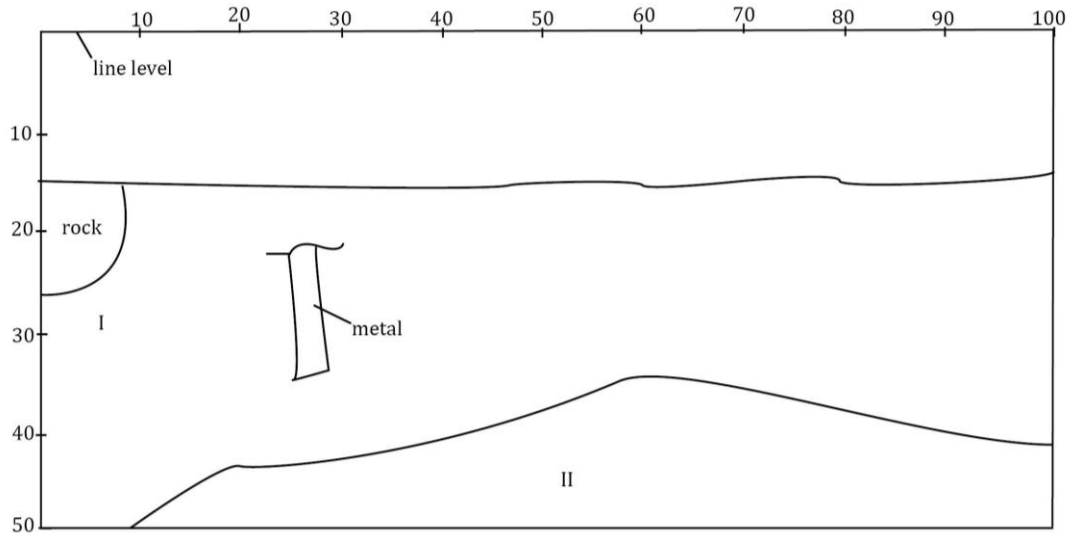


Figure 4.4. Profile of the north wall of Unit 1. (See the paragraph above for soil descriptions.)

Unit Number: 2

Coordinates: S37 W9

Dates of Excavation: 16 July 2012- 17 July 2012

Like Unit 1, Unit 2 was placed in an area of depression with extant cobblestones at the surface. This unit was situated off the SW corner of the open cellar hole. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through 1/4" mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the southwest (SW) corner.

Level 0 & 1

The beginning elevations (cm) for this level were as follows: NE 4, SE 8, SW 15, NW 16, Center 11. The excavation objectives were to document what appears at the ground surface, remove a 3 cm layer across the unit, and recover any artifacts found. The excavators removed the sod and kept it intact to the best of their ability, at the request of the landowner. Several rocks were uncovered. Artifacts collected were several pieces of barbed wire, a piece of a nail, fire cracked rock, and small pieces of ceramics. The excavators

hypothesized that they may be uncovering the foundation of the house. The soil had a Munsell reading of 10YR 4/2, which is described as being a “dark greyish brown.” The soil was dry and sandy, and included roots, ants, and organic material from the loam. The ending elevations (cm) were as follows: NE 7, SE 12, SW 20, NW 24, Center 17. A photograph was taken of the base of Level 1, as well as a sketch of the surface of the unit to record the locations of the rocks visible at the surface.

Level 2

The beginning elevations (cm) for this level were as follows: NE 7, SE 12, SW 20, NW 24, Center 17. The excavation objectives were to excavate only the east half of the unit to make it level with the center. The excavators uncovered more rocks, homogenous soil, and lots of organic material that appeared to be the midden. Artifacts collected were a file, nails, mortar, wire, and fire cracked rock. The excavators believed the stones to be part of a foundation. The soil had a Munsell reading of 10YR 4/2, which is described as “dark greyish brown.” The soil’s texture was sandy, with roots, rocks, organic material of the loam, and ants. The moisture content was dry. The ending elevations (cm) were: NE 17, SE 15, SW 20, NW 24, Center 17.

Level 3

The beginning elevations (cm) of Level 3 were as follows: NE 17, SE 15, SW 20, NW 24, Center 17. The excavation objectives for Level 3 were to level the unit even with the NW corner. The excavators uncovered more rocks. The soil continued to be homogenous and Level 3 was still in the midden. The artifact density was increasing. The east half of the unit, where the rocks were concentrated, contained primarily architectural debris, while the west half artifacts were more domestic in nature. Artifacts collected were mortar, steel, pieces of corners of a glass bottle, ceramics, glass, charcoal, pieces of tin – one with a curved edge and one with a curled edge – presumably from tin cans. The excavators interpreted the rocks to be the corner of what was possibly a foundation. The soil had a Munsell reading of 10YR 5/2, which is described as “greyish brown.” The soil’s texture was sandy with roots and rocks. Two photographs were taken of the base of Level 3. The ending elevations (cm) for Level 3 were as follows: NE 24, SE 24, SW 24, NE 24, Center 24.

Level 4

The beginning elevations (cm) of Level 4 were as follows: NE 24, SE 24, SW 24, NE 24, Center 24. The excavation objectives for this level were to remove the rocks that looked like they didn’t belong or no longer lined up with the foundation, to clarify the structure of the foundation, and to remove a 3 cm layer of soil across the unit to the extent possible. The excavators removed some of the rocks in order to get a better look at the possible foundation. There was no definitive shape to the stones. They just seemed to be a jumbled pile of cobbles. The team was no longer confident that they were looking at a foundation remnant. The artifact density of Level 4 remained high. Artifacts recovered were many shards of glass, nails, pottery, a tin can, and tin pieces. There was a very rich midden on the west half of the unit that suggested that whatever the rocks might be, the midden means we were outside of a structure. The soil had a Munsell reading of 10YR 4/1, which is described as “dark grey.” The soil’s texture was sandy. The soil was dry and contained roots and ants. Photographs were taken of the base of Level 4 – one from the east and one from the west. The ending elevations (cm) of Level 4 were as follows: NE 27, SE 26, SW 27, NW 27, Center 26.

Level 5

The beginning elevations (cm) of Level 5 were as follows: NE 27, SE 26, SW 27, NW 27, Center 26. The excavation objective was to remove a 3 cm layer of cultural deposits. The excavators removed roots and a rock from the unit. The soil continued to be homogenous. Level 5 was still in the midden and the artifact density remained high. Artifacts recovered were bone fragments, shards of glass, pieces of tin cans with the tops folded rather than rolled, pieces of ceramics, and nails. The excavators were unsure whether the rocks were part of a foundation, a fallen wall, or some other feature (or none at all). The soil had a Munsell reading of 10YR 5/1, which is described as “grey.” The soil was dry and sandy and included roots and ants. The ending elevations (cm) of Level 5 were as follows: NE 30, SE 29, SW 29, NW 29, Center 30.

Level 6

Beginning elevations (cm) of Level 6 were as follows: NE 30, SE 29, SW 29, NW 29, Center 30. The excavation objective was to remove a 3 cm layer of cultural deposits. The excavators removed a layer of cultural deposits. The artifact density was beginning to diminish, and the artifacts were still primarily architectural on the east side and domestic on the west side. Artifacts collected were a pipe stem, glass, a tin can and pieces of other cans, and nails. Lots of tin pieces were found, but the excavators only collected a sample. The excavators doubted that the line of rocks was a foundation. The soil continued to be a homogenous midden. The soil had a Munsell reading of 10YR 5/1, which is described as "grey." The soil was dry and sandy, and contained roots and ants. The ending elevations (cm) for Level 6 were as follows: NE 32, SE 30, SW 30, NW 31, Center 32.

Level 7

Beginning elevations (cm) of Level 7 were as follows: NE 32, SE 30, SW 30, NW 31, Center 32. The excavation objective for this level was to remove a 3 cm layer of cultural deposits. The excavators noticed a change in soil color with two distinct sides. The west side had a Munsell reading of 10YR 4/2 (dark greyish brown) while the east side had a reading of 10YR 6/1 (grey). They had noticed that the west side had been where they collected most of their domestic artifacts, while the east side had contained most of the architectural deposits. The excavators interpreted that the rocks on the east side of the unit could have been a part of a rock pier at the corner of the house. The soil was dry and sandy and contained roots and ants. Artifacts recovered were nails, glass, tin, mortar, small brass parts, and ceramics. Ending elevations (cm) of Level 7 were as follows: NE 35, SE 35, SW 32, NW 33, Center 33. A sketch was made of the base of Level 7 to illustrate the placement of the rocks along the walls of the unit as well as the different colors of the soil.

Level 8

The beginning elevations (cm) of Level 8 were as follows: NE 35, SE 35, SW 32, NW 33, Center 33. The excavation objective for the level was to remove a 3 cm layer of cultural deposits, screening each color of soil separately. The excavators removed a 3 cm layer of cultural deposits. In the west side of the unit they collected a pig tooth, glass, and pottery. In the east side, they collected a glass shard, some ceramic pieces, and several halves of what they believed to be cherry pits. The east half of the unit was beginning to be subsoil, while the west half continued to be midden. Upon investigating another house on the island, the team believed that the rock wall may have been the corner of the house where builders had to level it with the back. The soil had a Munsell reading of 10YR 6/1 grey on the east side and 10YR 2/1 black on the west side. The soil was sandy and dry and contained roots and ants. The ending elevations (cm) of Level 8 were as follows: NE 37, SE 37, SW 36, NW 37, Center 36.

Level 9

Beginning elevations (cm) of Level 9 were as follows: NE 37, SE 37, SW 36, NW 37, Center 36. The excavation objective was to remove a 3 cm level of cultural deposits, while screening the two colors of soil separately. The excavators accomplished this. In the east side, they found more halved seeds and a shard of glass. In the west side, they collected a leg bone of what they believed to be a pig, chinking, a glass shard, burnt wood, and halved seeds. The east half still seemed to be subsoil while the west half was midden. The team cleaned up the walls of the unit to look for lines in the soil with color changes. They determined that the west half is a depression in the ground. The excavators interpreted that there was possibly a fire at the site as they had collected burnt wood and fire cracked rock. The east side of the unit had a Munsell reading of 10YR 4/4 dark yellowish brown while the west side read 10YR 4/3 brown. The soil was sandy and dry and contained roots. The ending elevations (cm) of Level 9 were: NE 39.5, SE 39, SW 38, NW 40, Center 40.

Level 10

Beginning elevations (cm) of Level 10 were as follows: NE 39.5, SE 39, SW 38, NW 40, Center 40. The excavation objective was to remove a 3 cm layer of cultural deposits from the west side of the unit only. The excavators accomplished this and at the base of Level 10 the soil on the west side was still midden. Artifacts collected were pieces of burnt wood, ceramics, glass, nails, and more halved seeds. The excavators

interpreted that there had likely been a fire there. The soil of the west side of the unit had a Munsell reading of 10YR 3/1, which is described as “very dark grey.” The soil was dry and sandy and contained roots. Ending elevations (cm) of Level 10 were as follows: NE 43, SE 40, SW 42, NW 42, Center 46.

Level 11

Beginning elevations (cm) of Level 11 were as follows: NE 43, SE 40, SW 42, NW 42, Center 46. The excavation objective was to remove a 3 cm layer of cultural deposits in the west side of the unit only. The excavators accomplished this, collecting halved seed pits, a bone fragment, glass, burnt wood, and a paint chip. They noticed that the artifact density was decreasing, and still believed there had been a fire near their unit. The soil had a Munsell reading of 10YR 2/3, which is described as “very dark and greyish brown.” The soil was dry and sandy and included roots and a grub. Ending elevations (cm) for Level 11 were as follows: NE 43, SE 40, SW 44.5, NW 43, Center 46.5.

Level 12

Beginning elevations (cm) of Level 12 were as follows: NE 43, SE 40, SW 44.5, NW 43, Center 46.5. Excavation objectives were to remove a 3 cm layer of cultural deposits from the west side of the unit only. This was accomplished. The excavators collected burnt wood, nails, and halved seeds, and still believed there had been a fire at the site. The soil had a Munsell reading of 10YR 4/1, which is described as “dark grey.” The soil was dry and sandy and included roots. Ending elevations (cm) for this level were as follows: NE 43, SE 40, SW 48, NW 46.5, Center 51.

Level 13

Beginning elevations of Level 13 were as follows: NE 43, SE 40, SW 48, NW 46.5, Center 51. The excavation objectives for Level 13 were to collect a sample of seeds and level out the entire unit to keep the sand from the east side from sliding into the west side and obstructing the view. Excavators used a shovel to level out the unit, as it had been difficult to excavate with such loose soil on the floor and walls. The west side had a cluster of seeds and organic material roughly 10 cm in diameter. Excavators probed the center of the cluster and found it went about 2 cm deeper and the rest was white sand. Upon probing the east side, excavators confirmed that the subsoil continues. Excavators probed the same spot in the west side several more times, reaching down about 80 cm. The first 45 cm was grey sand, then there was darker sand until the last few cm which were composed of grey sand again. There was some sort of feature in the west side but it was so deep and loose that it wasn't safe to excavate. The excavators interpreted that the cluster of organic material may have been filling a rodent hole, and that the unit was over what may have been a hole that was filled in with sand. Excavation was discontinued in this unit because the loose sand made conditions unsafe for excavators. The soil of the east side had a Munsell reading of 10YR 5/5 brown while the soil on the west side had a reading of 10YR 8/1 white. The soil was dry and sandy, with roots. Artifacts recovered were seeds, a nail, and a paint chip. Ending elevations (cm) were: NE 58, SE 55, SW 55.5, NW 59, Center 57.5.

Profile

A profile of the east wall was drawn for Unit 2 (Figure 4.5). The profile includes three major zones of soil. The first zone (marked on the profile as I) was the active humus layer with a Munsell reading of 10YR 5/1, which is described as “grey.” Zone I contained several large rocks. The second zone (marked on the profile as II) had a Munsell reading of 10YR 8/1, “white,” and contained a lot of roots. The third zone (marked on the profile as III) had a Munsell reading of 10YR 4/4, “dark yellowish brown,” and had three sections that jutted from the base of the unit up into Zone II.

A profile of the west wall was also drawn for Unit 2. The profile includes three major zones of soil. The first zone (marked on the profile as I) was the active humus layer with a Munsell reading of 10YR 5/1, which is described as “grey.” Zone I contained several large rocks. The second zone (marked on the profile as II) had a Munsell reading of 10YR 8/1, “white,” and contained a lot of roots. The third zone (marked on the profile as III) had a Munsell reading of 10YR 4/4, which is described as “dark yellowish brown” and may have been plow scars or other cultural disturbance.

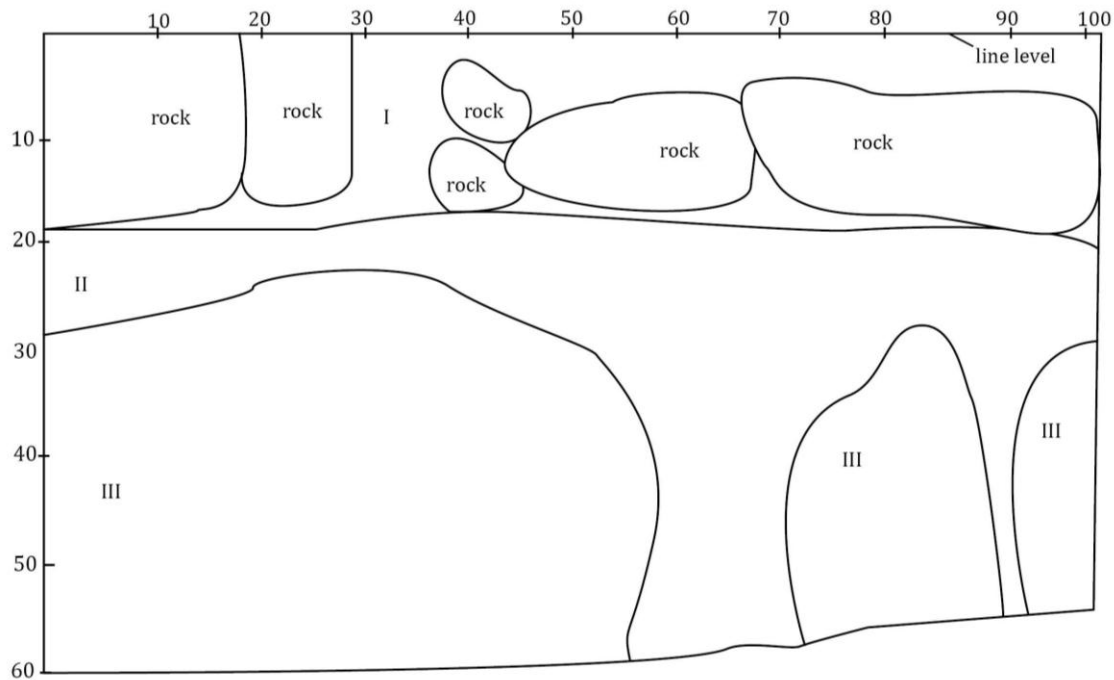


Figure 4.5. Profile of the east wall of Unit 2. (See the paragraph above for soil descriptions.)

Unit Number: 3

Coordinates: S36 W6

Dates of Excavation: 16 July 2012

The unit was placed here because the team suspected it was on the north side of a line of cobbles the team suspected to be the foundation of the house. The unit was expected to encounter midden at the back of the house, and the slope into the open cellar was 1 meter away from the unit's NW corner. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through 1/4" mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the Southwest (SW) corner.

Level 0

The beginning elevations (cm) for Level 0 were as follows: NE 7, SE 7, SW 10, NW 7, Center 6. The objective for Level 0 was to document observations of the ground surface. No stones were visible at the surface. The unit's ground surface consisted of tall grass and leaf litter. No artifacts were observed.

Level 1

The beginning elevations (cm) for Level 1 were as follows: NE 7, SE 7, SW 10, NW 7, Center 6. The objective for Level 1 was to remove the humus layer and preserve it to the extent possible. The excavators did this, and found the artifact density to be quite low. All that was recovered was architectural debris. Artifacts recovered were a nail and wood. The sandy loam had a Munsell reading of 10YR 2/2, which is described as "very dark brown," with sand with a reading of 10 YR 4/1 dark grey. The soil was very dry and included roots. The ending elevations (cm) for Level 1 were as follows: NE 15, SE 13, SW 16, NW 15, Center 14. The depth of excavation began at 6 cm and ended at 16 cm.

Level 2

The beginning elevations (cm) for Level 2 were as follows: NE 15, SE 13, SW 16, NW 15, Center 14. The objective for Level 2 was to level the unit. The excavators came across more construction material and roots. However, the roots were not as numerous as in the previous level. There was a lot of construction

debris such as mortar and nails. They thought they were possibly excavating what used to be a builder's trench. In the NW corner, there was decaying wood coming out of the wall of the unit. They found something to be different about the south side of the unit than the north side. Artifacts collected consisted of wood, nails, mortar, and an eggshell. The soil was very sandy and dry. The sandy loam had a Munsell reading of 10YR 2/2 (very dark brown) while the sand had a reading of 10YR 5/2 (greyish brown sand). Depth of excavation began at 13cm and ended at 16cm. Ending elevations (cm) were as follows: NE 16, SE 16, SW 16, NW 16, Center 16.

Level 3

The beginning elevations (cm) for Level 3 were as follows: NE 16, SE 16, SW 16, NW 16, Center 16. The excavation objective for Level 3 was to remove a 3 cm layer of cultural deposits. The excavators collected an eye bolt – possibly used to hold cable to square the house – a charcoal sample, whiteware, nails, and mortar. The construction debris observation from the previous level no longer seemed to be true, and what they were finding was probably not the result of a builder's trench but just debris related to construction or repair. There was no longer a distinction between the north and south halves of the unit. The east half of the unit's soil was light and grey and could have had ash in it. The east half had a Munsell reading of 10YR 6/1 grey while the west half had a reading of 10YR 3/2 very dark greyish brown. Depth of excavation began at 16 cm and ended at 19 cm. Ending elevations (cm) were: NE 19, SE 19, SW 20, NW 19, and Center 19.

Level 4

The beginning elevations (cm) for Level 4 were as follows: NE 19, SE 19, SW 20, NW 19, and Center 19. The excavation objective for this level was to remove another 3 cm cultural level. In Level 4, the eastern half of the unit's light grey area expanded all the way across the unit. The architectural debris decreased, though the number of personal artifacts increased significantly. The team interpreted that the construction debris observed in the upper levels was probably from the demolition of the house and not construction. In the SE corner, the end of the grey sand was reached. Excavators were having trouble keeping the walls of the unit straight due to the high density of roots. The soil was dry and had a Munsell reading of 10YR 6/1 grey except for the NW corner, which had a Munsell reading of 10YR 4/3 (brown). Artifacts collected were a button (decorated black), charcoal, and a nail. Depth of excavation of Level 4 began at 19 cm and ended at 22 cm. Ending elevations (cm) were as follows: NE 22, SE 22, SW 22, NW 22, Center 22.

Level 5

The beginning elevations (cm) of Level 5 were as follows: NE 22, SE 22, SW 22, NW 22, Center 22. The excavation objective was to remove another 3 cm level of cultural materials. In Level 5, excavators came across a new soil horizon indicating they had reached subsoil or a buried land surface. The soil was homogeneous sand with a Munsell reading of 10YR 5/2 greyish brown. The level had low artifact density. Artifacts recovered were nails and a bone. Depth of excavation at Level 5 began at 22 cm and ended at 25 cm. Ending elevations (cm) at this level were as follows: NE 25, SE 25, SW 25.5, NW 26, Center 25.

Level 6

Beginning elevations (cm) of Level 6 were as follows: NE 25, SE 25, SW 25.5, NW 26, Center 25. The excavation objective was to remove another 3 cm level of cultural materials. Level 6 had a low artifact density, as all that was collected was charcoal. There was a root running from the SW corner to the center of the north wall. Subsoil was appearing. Excavators probed the center to find that there was 8 cm more of loose grey soil followed by subsoil. The soil was a 10YR 6/1 grey Munsell reading mottled with 10YR 3/6 dark yellowish brown and 10YR 2/2 very dark brown sand. The soil was dry. Depth of excavation began at 25 cm and ended at 28 cm. Ending elevations (cm) were: NE 28.5, SE 28, SW 30, NW 30, and Center 29.

Level 7

Beginning elevations (cm) of Level 7 were as follows: NE 28.5, SE 28, SW 30, NW 30, and Center 29. The excavation objective was to remove another 3 cm layer of cultural deposits. The excavators used a shovel to remove a 3 cm level and found no artifacts. They probed the SE corner and discovered there was 5

cm more of grey, followed by 3 cm of dark brown and then orange subsoil. The excavators found the stratigraphy of the unit confusing because of the culturally-sterile fill zones. They interpreted that it could be cultural episodes because they do not overlay clear buried land surfaces, but that the cause could be glacial. The team probed near the north wall in the center and found only subsoil with no evidence of a buried land surface. The soil was a 10YR 6/1 grey Munsell reading mottled with 10YR 3/6 dark yellowish brown and 10YR 2/2 very dark brown sand. The soil was dry. Depth of excavation at Level 7 began at 28 cm and ended at 40 cm. Ending elevations (cm) were as follows: NE 40, SE 40, SW 40, NW 40, Center 40.

Profile

A profile of the north wall of Unit 3 was completed (Figure 4.6). There were five major zones of soil. The first zone (I) was the humus layer and was loam with a Munsell reading of 10YR 2/2 very dark brown. Zone II was the fill zone, with a Munsell reading of 10YR 3/1 very dark grey sand. Zone III was the humus of the buried land surface and its loam had a Munsell reading of 10YR 2/2 very dark brown. Zone IV had a Munsell reading of 10YR 6/1, which is described as “grey sand.” Zone V consisted of four pockets emerging from the base of the unit about 7 cm into Zone IV, that were likely plow scars. It had a Munsell reading of 10YR 3/4, which is described as “dark yellowish brown.”

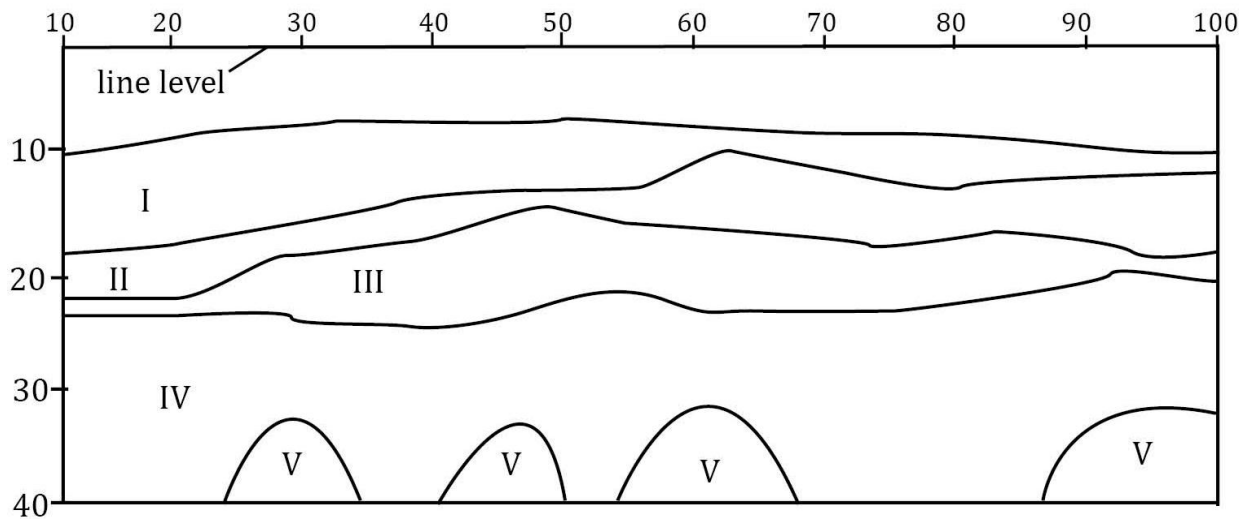


Figure 4.6. Profile of the north wall of Unit 3. (See the paragraph above for soil descriptions.)

Unit Number: 4

Coordinates: S36 W2

Dates of Excavation: 16 July 2012 – 18 July 2012

The unit was placed in an area that appeared to have a linear arrangement of cobblestones, thought perhaps to be a foundation remnant. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through ¼” mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the Southwest (SW) corner.

Level 0

Beginning elevations (cm) of Level 0 were as follows: NE 12, SE 12, SW 11, NW 12, Center 11. The objective of this level was to observe the unit before excavating. Observed was a 15 cm rock at the surface, leaf litter, and grass. No artifacts were observed on the surface.

Level 1

Beginning elevations (cm) of Level 1 were as follows: NE 12, SE 12, SW 11, NW 12, Center 11. The excavation objective for this level was to remove the humus layer. The humus layers for Units 1, 2, 3, and 5 were shovel skimmed and the sod was preserved intact in order to restore the ground surface after excavation. Given the brief period of occupation at the site (about 12 years for the main habitation), the team was concerned about possibly missing cultural data closer to the surface. Therefore, for Unit 4, the team screened the humus layer to test that hypothesis and hopefully confirm that their strategy in the other units was not missing critical data. The soil was slightly damp and its sandy loam had a 10YR 2/2 Munsell reading, which is described as “very dark brown.” A pipe was found in the western half of the unit, and metal was also appearing. Also recovered from the unit was wire. Depth of excavation of Level 1 began at 11 cm and ended at 16 cm. Ending elevations (cm) were as follows: NE 18, SE 14, SW 20, NW 16, Center 16.

Level 2

Beginning elevations (cm) for this level were as follows: NE 18, SE 14, SW 20, NW 16, Center 16. The excavation objective was to remove a 3 cm layer of cultural materials. Upon excavation, the big rock that was at the surface was still there. There were a lot of roots, most of them medium-sized. There was one large root in the NE corner. Artifacts collected were a piece of stove, a lot of nails, ceramics, and glass. The excavators interpreted that they were in the midden. The soil was a dry sandy loam and had a Munsell reading of 10YR 3/2, which is described as “very dark greyish brown.” The depth of excavation of Level 2 began at 16 cm and ended at 20 cm. Ending elevations (cm) were: NE 20, SE 20, SW 20, NW 20, Center 20.

Level 3

Beginning elevations (cm) for this level were as follows: NE 20, SE 20, SW 20, NW 20, Center 20. The excavation objective was to remove a 3 cm cultural layer. In Level 3, it was noted that the soil was changing. It had become easier to dig and was a lighter sand in the West half of the unit. The artifact density had increased since the last level. Artifacts recovered were window glass, part of a gun, a dish, glass, a belt buckle, container glass, a square nut, a bone, and nails. Most of the artifacts collected at Level 3 were domestic. The excavators determined that they were in the midden. The soil was dry and sandy and had a Munsell reading of 10YR 2/1 black with 10YR 4/1 dark grey. The depth of excavation for Level 3 began at 20 cm and ended at 23 cm. Ending elevations (cm) were: NE 23, SE 23, SW 23, NW 23, and Center 23.

Level 4

Beginning elevations (cm) were as follows: NE 23, SE 23, SW 23, NW 23, and Center 23. The excavation objective was to remove a 3 cm layer of cultural deposits. In Level 4, the artifact density was lower than the previous level. Artifacts recovered were blue/green container glass, whiteware, and animal bone. The excavators interpreted that they were still in the midden. The soil was dry sand with roots, and had a Munsell reading of 10YR 5/1, which is described as “grey.” Depth of excavation at Level 4 began at 23 cm and ended at 26 cm. Ending elevations (cm) were as follows: NE 26, SE 26, SW 26, NW 26, Center 26.

Level 5

Beginning elevations (cm) were as follows: NE 26, SE 26, SW 26, NW 26, Center 26. The excavation objective was to remove a 3 cm cultural layer. In Level 5, there were still lots of roots, as well as some ant activity. The soil was consistent in color and texture with the previous level and was consistent across the unit. The artifact density continued to decrease. Artifacts collected were a coin, a bone, a pipe stem, and window and container glass. The excavators interpreted that they were in the midden. The soil was dry and sandy with a little loam, and had a Munsell reading of 10YR 4/1, which is described as “dark grey.” The depth of excavation of Level 5 began at 26 cm and ended at 29 cm. The ending elevations (cm) of this level were as follows: NE 29, SE 29, SW 30, NW 30, Center 29.

Level 6

Beginning elevations (cm) of this level were as follows: NE 29, SE 29, SW 30, NW 30, Center 29. The excavation objective was to remove a 3 cm layer of cultural materials. In Level 6, the excavators went a

little deeper than their goal as they shovel skimmed the loose grey sand. The level had very low artifact density. All that was recovered was a piece of wire and a bone. The soil at this level was fairly homogeneous throughout the unit in both color and texture. The excavators interpreted that they had likely reached culturally sterile subsoil. The soil was dry, loose sand, and had a Munsell reading of 10YR 4/1, which is described as “dark grey.” Depth of excavation of Level 6 began at 29 cm and ended at 39 cm. Ending elevations (cm) were as follows: NE 39, SE 37, SW 32, NW 34, Center 38.

Level 7

Beginning elevations (cm) were as follows: NE 39, SE 37, SW 32, NW 34, Center 38. The excavation objective for Level 7 was to level the base of the unit to a consistent 40 cm below datum. The excavators were having a hard time not digging too deep as the sand was very loose. The soil was culturally sterile. The soil was homogenous throughout the level. The team did a soil probe in the center of the unit to the depth of the probe. The soil was so loose it wouldn’t even stay in the chamber, but it was clear the team had reached the base of cultural deposits. The soil was dry, loose sand with a Munsell reading of 10YR 4/1, which is described as “dark grey.” No artifacts were found. The depth of excavation of Level 7 began at 32 cm and ended at 43 cm. Ending elevations (cm) were as follows: NE 43, SE 43, SW 43, NW 43, Center 43.

Profile

A profile was completed of the West wall of the unit. There were three major soil zones with two minor pockets of soil. Zone I was the loam of the humus layer. It was sandy and had a Munsell reading of 10YR 2/1, which is described as “black.” Zone II was sandy and had a Munsell reading of 10YR 5/2, which is described as “greyish brown.” Zone III was the subsoil and it had a Munsell reading of 10YR 4/3, which is described as “brown.” Zone IV was in the bottom of the north side of the west wall and had a Munsell reading of 10YR 5/4, which is described as “yellowish brown.” Zone V was a pocket right beside Zone IV, toward the center of the base of the unit, and it had a Munsell reading of 10YR 3/2, which is described as “dark greyish brown.”

Unit Number: 5

Coordinates: S30 W6

Dates of Excavation: 16 July, 2012 – 18 July, 2012

The unit was placed in an area adjacent to the northeast corner of the root cellar. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through ¼” mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the Southwest (SW) corner.

Level 0

Beginning elevations (cm) for this level were as follows: NE 11, SE 10, SW 22, NW 11, Center 14. The excavation objective was to examine the top layer of the ground for any artifacts and recover any artifacts found. Observed at the ground level was grass and leaf litter. A metal bucket was removed from the unit, as well as barbed wire.

Level 1

Beginning elevations (cm) for this level were as follows: NE 11, SE 10, SW 22, NW 11, Center 14. The excavation objective was to remove the sod layer and recover any artifacts found. The team removed a layer of sod and screened it to make sure they found all cultural material. They excavated using shovels and trowels. Metal pieces were recovered, as well as wood chips, possible from mulch or a fallen branch, metal wires, a nail, and possibly a door hinge. The level contained lots of roots and homogenous soil which had a Munsell reading of 10YR 2/2 very dark brown. The soil was described as rainy dirt and it was dry and contained roots. The depth of excavation of Level 1 began at 10 cm and ended at 19.5 cm. The ending elevations (cm) were as follows: NE 13, SE 13.5, SW 19.5, NW 12, Center 18.5.

Level 2

The beginning elevations for this level (cm) were as follows: NE 13, SE 13.5, SW 19.5, NW 12, Center 18.5. The excavation objectives for the level were to remove three more centimeters of soil, start leveling out the unit, and recover any artifacts found. The soil was excavated using trowels. The excavators continued to find a lot of wood chips in this level, either from a tree branch or a human-made structure like a door. Mortar was found as well as another hinge, causing excavators to hypothesize that they were finding pieces of the cellar door from the cellar behind the house. The wood chips seemed to be concentrated on the east side and northwest corner of the unit. Also uncovered were a metal rod, nails, bolts, and small redware ceramic pieces. As the team worked, it started to drizzle outside, but it was not really affecting the unit at this time because of the tree coverage. The soil was a dry grainy dirt with lots of roots and had a Munsell reading of 10YR 3/3 dark brown. The depth of excavation for this level began at 12 cm and ended at 19.5cm. The ending elevations (cm) were as follows: NE 18, SE 17, SW 19.5, NW 16, Center 18.5.

Level 3

The beginning elevations for this level (cm) were as follows: NE 18, SE 17, SW 19.5, NW 16, Center 18.5. The excavation objectives for this level were to continue leveling out the unit while recovering artifacts found and observing soil changes. The team used trowels to excavate the unit. There were still lots of roots in the unit at this level. Middle school students were assisting the excavators with the unit at this level. There was a heavy artifact density as the team found metal, ceramics, a button, and nails. The soil was dry, grainy, and sandy and had a Munsell reading of 10YR 3/2, which is described as very dark greyish brown. The depth of excavation of this level began at 16 cm and ended at 24 cm. The ending elevations (cm) were as follows: NE 19, SE 18, SW 19.5, NW 19, Center 24.

Level 4

The beginning elevations for this level (cm) were as follows: NE 19, SE 18, SW 19.5, NW 19, Center 24. The objectives for this level were to level out the unit and recover artifacts. The middle school students were still assisting this level, and there was more turning over of soil than removing of it. Still, there was a decent artifact density. The unit contained lots of roots, with one big root in the SE corner. The soil was grainy and dry and had a Munsell reading of 10YR 3/2 dark brown, with some patches of different colors which were 10YR 4/1 dark grey, 10YR 4/4 dark yellowish brown, and 10YR 2/1 black. The depth of excavation of this level began at 18 cm and ended at 21 cm. The ending elevations (cm) for this level were as follows: NE 19, SE 18, SW 23.5, NW 18, Center 21.

Level 5

The beginning elevations for this level (cm) were as follows: NE 19, SE 18, SW 23.5, NW 18, Center 21. The excavation objectives were to level out the unit and recover any artifacts found. The middle school students were still helping in the unit at this level. The unit contained lots of roots with a large tree root in the SE corner. The soil had a Munsell reading of 10YR 3/2 dark brown and was dry and grainy. Artifacts uncovered were glass, metal chips, and ceramic sherds. The depth of excavation of this level began at 18cm and ended at 25cm. The ending elevations (cm) were: NE 22, SE 18.5, SW 25, NW 19, Center 25.

Level 6

The beginning elevations (cm) for this level were as follows: NE 22, SE 18.5, SW 25, NW 19, Center 25. The excavation objectives were to level out the unit and recover any artifacts found. The middle school students were no longer assisting with the unit. Excavators used trowels to level out the unit. The large root in the SE corner remained and there was another one in the NW corner. There was also a metal pole in the NW corner. The grainy and sandy soil had a Munsell reading of 10YR 3/2 very dark greyish brown. The soil was slightly damp. Artifacts collected were nails and metal pieces. The level contained some patches of different colored soil. The depth of excavation of this level began at 18.5 cm and ended at 24 cm. The ending elevations for this level (cm) were as follows: NE 25, SE 24, SW 25, NW 25, Center 25.

Level 7

The beginning elevations (cm) for this level were as follows: NE 25, SE 24, SW 25, NW 25, Center 25. The excavation objectives were to excavate 3 cm, recover any artifacts found, and observe any soil change. The unit still contained two large roots – one in the SE corner and one in the NW corner, as well as lots of small roots. The sun came out during this level, but the unit was covered by the shade of the trees. This level contained a lower artifact density and fairly uniform soil. This soil was pretty dry as well as grainy and sandy. The Munsell reading was 10YR 3/2 very dark greyish brown. Artifacts recovered were a ceramic sherd, nails, and metal pieces. The depth of excavation of this level began at 24 cm and ended at 28 cm. The ending elevations (cm) were as follows: NE 28, SE 28, SW 28, NW 28, Center 28.

Level 8

The beginning elevations (cm) for this level were as follows: NE 28, SE 28, SW 28, NW 28, Center 28. The objectives for this level were to excavate a 3 cm level and recover any artifacts found. The excavators started to see patches of grey soil across the unit and more large roots as well as continuing to see a lot of small roots. Another large root appeared in the center. The roots were making it difficult to keep the unit level. The team determined that they were still in the midden. The fairly dry soil was fine and grainy. It had a Munsell reading of 10YR 4/1 dark grey. Artifacts recovered were glass shards, ceramic sherds, a metal cylinder that was possibly for a pipe, a pie stem, and metal pieces. The depth of this level began at 28 cm and ended at 33 cm. The ending elevations (cm) were NE 33, SE 31, SW 31, NW 31, Center 31.

Level 9

The beginning elevations (cm) for this level were as follows: NE 33, SE 31, SW 31, NW 31, center 31. The excavation objectives were to excavate a 3 cm level and recover any artifacts found. The level was excavated using trowels. Excavators cut out a lot of the small and medium roots. There was a low artifact density. The excavators interpreted that they were still in the midden. The soil was grainy and fairly dry. It had a Munsell reading of 10YR 4/1 dark grey. Artifacts recovered were nails and a bone. The depth of excavation of this level began at 31 cm and ended at 34 cm. The ending elevations (cm) were NE 34, SE 34, SW 34, NW 34, Center 34.

Level 10

The beginning elevations (cm) for this level were as follows: NE 34, SE 34, SW 34, NW 34, Center 34. The excavation objectives were to excavate a 3 cm level across the unit, observe any soil changes, and recover any artifacts found. It was hard to hammer in the datum stake that was coming out in the SE corner. Excavators had to re-measure so that the string was 10 cm above ground level. They took new beginning elevation measurements and used trowels to excavate. They noticed that the soil was becoming uniformly grey. The team interpreted that they were reaching subsoil. The slightly damp soil had a Munsell reading of 10YR 3/2 very dark greyish brown. It was grainy and sandy. The only artifact recovered was a nail. The depth of excavation of this level began at 31 cm and ended at 36 cm. The ending elevations (cm) were NE 35, SE 35, SW 36, NW 36, Center 35.

Level 11

Beginning elevations (cm) for this level were NE 35, SE 35, SW 36, NW 36, Center 35. The excavation objectives were to excavate a 3 cm level, recover any artifacts found, and observe soil changes. The soil was excavated using trowels. The team was still finding some artifacts, as they found a white button and some metal pieces, but the artifact density was low. The excavators interpreted that they were reaching culturally sterile soil. The slightly damp soil had a Munsell reading of 10YR 3/1 very dark grey and was grainy and sandy. The excavators continued to cut away the small and medium-sized roots. Roots may have caused some of the artifacts to move, or the excavators' shovel may have knocked them out of the wall. The depth of excavation of this level began at 35 cm and ended at 38 cm. The ending elevations (cm) were NE 38, SE 38, SW 38, NW 38, Center 38.

Level 12

Beginning elevations (cm) were NE 38, SE 38, SW 38, NW 38, Center 38. The objectives of this level were to excavate 3 cm, recover any artifacts found, and observe any soil changes. The team planned to excavate until the soil was culturally sterile. The excavators uncovered lots more small rocks and still more roots. The soil was a fine, grainy sand and had a Munsell reading of 10YR 3/1 very dark grey. No artifacts were recovered and the team determined that they had reached culturally sterile subsoil. The depth of excavation of this level began at 38 cm and ended at 41 cm. The ending elevations (cm) were NE 41, SE 41, SW 41, NW 41, Center 41.

Level 13

Beginning elevations (cm) were NE 41, SE 41, SW 41, NW 41, center 41. The objectives for the level were to dig until they reached the brown soil that was detected by the probe the team had used to determine how deep the grey subsoil went. They determined it was another 5 or 6 centimeters to the brown soil. As the excavated, the soil was turning a dark brown or orange color. There were still lots of rocks and roots. The team excavated until there was no more subsoil in the unit. Excavators decided to finish excavation of the unit and draw a profile of the east wall. The team interpreted that the brown soil may have cultural material and that they had reached culturally sterile subsoil. The soil had two colors – one with a Munsell reading of 10YR 3/6 dark yellowish brown and 10YR 4/1 dark grey. No artifacts were collected. The depth of excavation of this level began at 41 cm and ended at 60 cm. The ending elevations (cm) were NE 53, SE 54, SW 57.5, NW 60, and Center 54.

Profile

A profile of the east wall was completed for Unit 5 (Figure 4.7). The profile of this unit includes five major zones of soil. The first zone was a humus layer had a Munsell reading of 10YR 2/1 black. The second zone had a Munsell reading of 10YR 3/1, which is described as “very dark grey.” The third zone had a Munsell reading of 10YR 3/2 very dark greyish brown. The fourth zone had a Munsell reading of 10YR 5/2 greyish brown. The fifth zone was subsoil and had a Munsell reading of 10YR 6/8, which was described as “brownish yellow.”

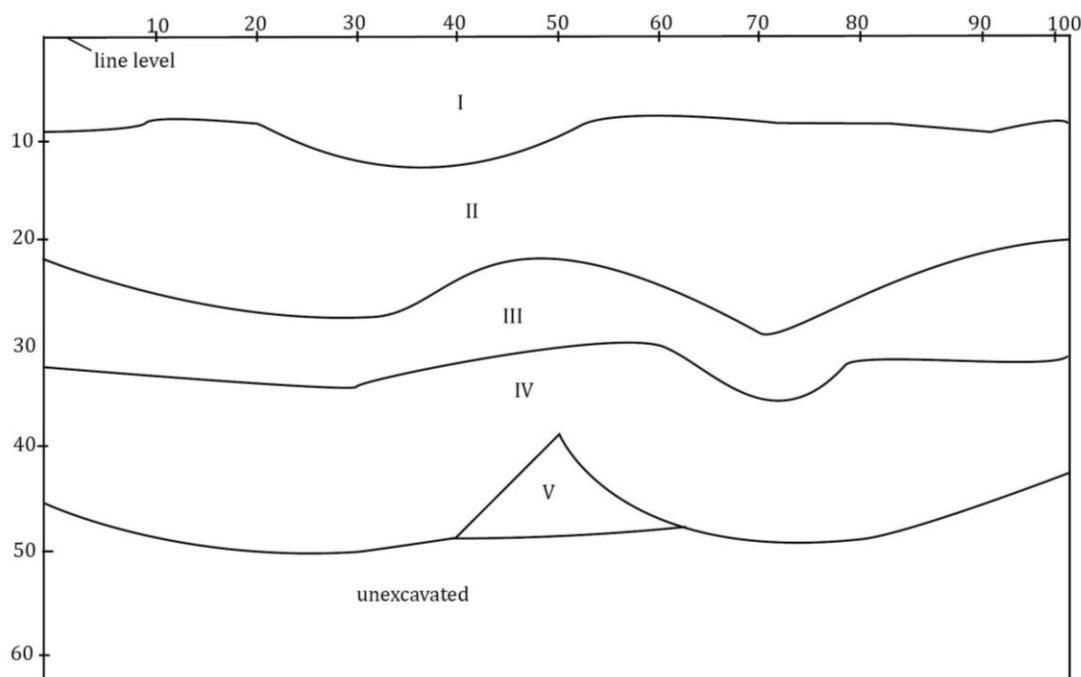


Figure 4.7. Profile of the east wall of Unit 5. (See the paragraph above for soil descriptions.)

Unit Number: 6

Coordinates: S38 W8

Excavators: Emily Flores, Deb Rotman

Dates of Excavation: 18 July, 2012- 19 July, 2012

The unit was placed adjacent to the stone feature in Unit 1. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through ¼" mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the southwest (SW) corner.

Level 0

The beginning elevations (cm) for this level were as follows: NE 5, SE 8, SW 10, NW 6, Center 6. The excavation objective for this level was to observe the surface before excavating. Excavators described a few cobbles present at the surface and north of the unit. No artifacts were observed at the surface. The excavators interpreted it to be the ground surface, an active humus layer with field grasses and 0% visibility.

Level 1

The beginning elevations (cm) for this level were as follows: NE 5, SE 8, SW 10, NW 6, Center 6. The excavation objective for this level was to remove the sod. Excavators successfully removed the sod, finding two pieces of barbed wire in the humus layer. A piece of metal was in the humus layer in the wall of the west side and could not be removed. The midden contained a few rocks and roots. The soil was dry. The ending elevations for this level were as follows: NE 10, SE 14, SW 16, NW 10, Center 8.

Level 2

The beginning elevations (cm) for this level were as follows: NE 10, SE 14, SW 16, NW 10, Center 8. The excavation objective for this level was to remove a layer of cultural deposits so that the unit was level with the southwest (SW) corner. The excavators removed a layer of cultural deposits to level the unit, uncovering several rocks. They found the soil to be dry and sandy with roots. It had a Munsell reading of 10YR 3/1, which is described as being "very dark grey." Items collected were pieces of glass likely from a medicine bottle, metal pieces, mortar, and nails. The team interpreted that the rocks may be from a stone pier propping the house up or from a collapsed stone wall. The ending elevations (cm) for this level were as follows: NE 15, SE 16, SW 16, NW 15, Center 15.

Level 3

The beginning elevations (cm) for this level were as follows: NE 15, SE 16, SW 16, NW 15, Center 15. The excavation objective for this level was to remove a 3 cm layer of cultural deposits. The excavators troweled the deposits out because the unit contained too many roots and rocks for shovel skimming. Additional cobbles were exposed, but their arrangement did not seem to have any meaningful shape to them. They did resemble the configuration of cobbles in Unit 2: together in at least 1.5m x 1.5m in extent. The cobbles seemed to be fairly consistent in size with smaller cobbles or stones that may have been used as chinking or to fill in gaps. The artifact density was quite low. Artifacts collected were mortar, a nail, a clothing rivet, flow blue whiteware, and window glass. The team collected only a sample of the mortar at this level. There was no sense of whether there were different objects associated with the cobbles, such as architectural debris, on the North half versus the midden/domestic debris on the south half, like the pattern observed in Unit 2. The dry sandy loam's soil deposits were homogeneous in texture and color all across the unit, with a Munsell reading of 10YR 3/2, which is described as "very dark greyish brown." Excavators interpreted that the level was at the base of the humus layer and might contain a stone pier. A sketch and a photograph were taken at the base of the level to record the arrangement of the cobbles (Figure 4.8). The ending elevations (cm) for this level were as follows: NE 19, SE 18, SW 18, NW 18, Center 18.

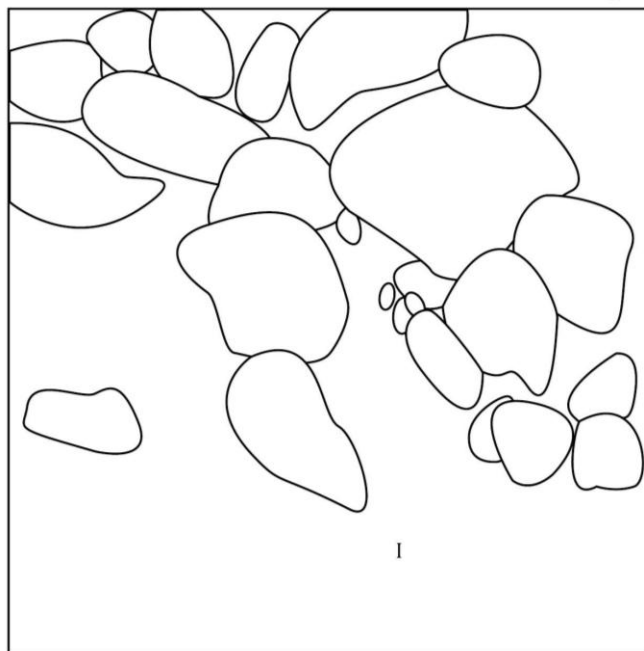


Figure 4.8. Plan view of level 3, Unit 6. (See the paragraph above for soil descriptions.)

Level 4

Beginning elevations (cm) of this level were as follows: NE 19, SE 18, SW 18, NW 18, Center 18. The excavation objective for this level was to remove an additional 3 cm layer of cultural deposits. Excavators removed the rocks labeled #1 and #2 in the sketch of the base of level 3 (see unit paperwork) and screened the soil surrounding them separately as that soil would be considered level 3 midden. More cobbles were uncovered under rock #1. Excavators also removed a few smaller rocks as they excavated as they were loose in this level. They were beginning to encounter grey soil in the NE corner and along the southern boundary of the rocks. Aside from the two patches of grey sand, the soil was pretty homogenous in color and texture, with a Munsell reading of 10YR 4/1, which is described as “dark grey.” The dry, sandy soil’s texture was sandy with a little loam, and the soil contained roots. The artifact density was still quite low, significantly lower than in Unit 2, suggesting that they were excavating in an area inside the house that was protected by floorboards and thus artifact deposition. Artifacts recovered from this level were lots of nails, some window glass, and a long meter rod. The team suspected that the stones were the corner of the house – perhaps a stone pier on which the corner of the structure was set, or simply where stones were tucked under the wooden pier at a low spot in the ground to keep the house level. Two photographs were taken of the base of the level. The depth of excavation of this level began at 18 cm and ended at 21 cm. Ending elevations (cm) of this level were as follows: NE 21, SE 21, SW 21, NW 21, Center 21.

Level 5

Beginning elevations (cm) of this level were as follows: NE 21, SE 21, SW 21, NW 21, Center 21. The excavation objectives for this level were to remove the rocks and screen their adjacent soil. Excavators removed many of the rocks to gain access to the cultural deposits beneath them. The deposits for this level include only the soil matrix between the stones and immediately beneath them to bring the soil to the level of the rest of the unit (21 cmbd). Excavators interpreted that they were still excavating in the midden. The soil was sandy with a little loam and was dry with roots. Its Munsell reading was 10YR 4/1, which is described as “dark grey.” Artifacts recovered were a stoneware fragment, nails, glass, and mortar. The depth of excavation of this level began at 21 cm and ended at 21 cm. The ending elevations (cm) of this level were as follows: NE 21, SE 21, SW 21, NW 21, Center 21.

Level 6

Beginning elevations (cm) of this level were as follows: NE 21, SE 21, SW 21, NW 21, Center 21. The excavation objective for this level was to remove a 3 cm level of cultural deposits. The excavators successfully did this, finding several glass shards between the cobbles, just as were found in Unit 2. Other artifacts collected were ceramics, bones, nails, and wire. Artifact density was at the highest point excavators had encountered in the unit thus far. This caused the team to interpret that there may have once been an active surface before the rocks were there, and that the cobbles may simply be a pile of rocks. At the base of the level it became clear that the SE corner was becoming the orange subsoil color, while the rest of the unit remained a light grey to white, which has also been indicative of subsoil in other units. The southeast (SE) corner's Munsell reading was 10YR 3/6, which is described as "dark yellowish brown," while the rest of the unit's Munsell reading was 10YR 6/1 grey. The soil was dry and sandy and contained ants, roots, and rocks. The depth of excavation of this level began at 21 cm and ended at 24 cm. Ending elevations (cm) of this level were as follows: NE 24, SE 24, SW 24, NW 24, Center 24.

Level 7

Beginning elevations (cm) of this level were as follows: NE 24, SE 24, SW 24, NW 24, Center 24. The excavation objective for this level was to remove a 3 cm layer of cultural deposits. The excavators successfully removed a 3 cm layer of soil. They collected 1 nail that likely came from soil between the rocks or roots that wouldn't have been a part of this level otherwise. Upon consistently coming up with subsoil and little or no artifacts, excavators decided to close the unit with the interpretation that the cobbles were simply a pile of rocks. The soil was dry and sandy and contained roots. Its Munsell reading on the West side of the unit was 10YR 6/1, "grey," and the reading for the East side was 10YR 3/6 dark yellowish brown. The depth of excavation of this level began at 24 cm and ended at 27 cm. The ending elevations (cm) of this level were as follows: NE 27, SE 27, SW 27, NW 27, Center 27.

Profile

A profile of the west wall was drawn for Unit 6 (Figure 4.9). The profile of this unit includes three major zones of soil. The first zone was a humus layer that had a Munsell reading of 10YR 3/1, which is described as "very dark grey." The second zone had a Munsell reading of 10YR 6/1, which is described as "grey." The third zone had a Munsell reading of 10YR 3/6, which is described as "dark yellowish brown."

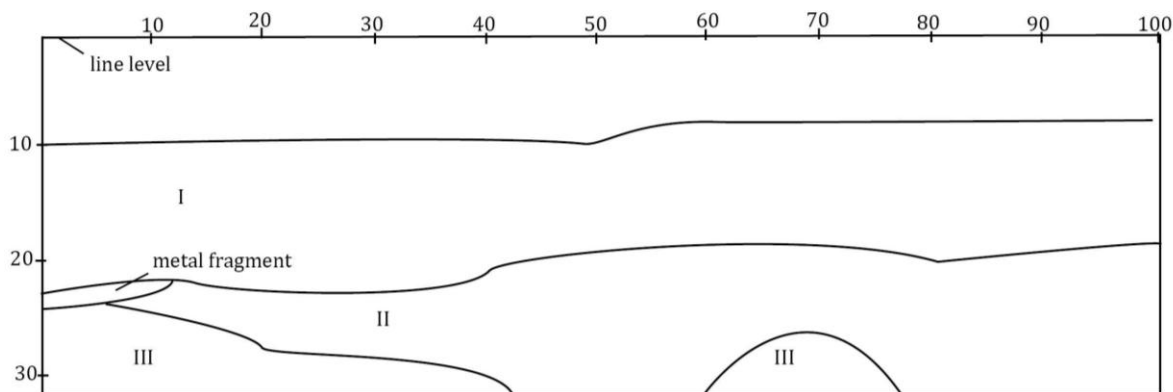


Figure 4.9. Profile of the west wall of Unit 6. (See the paragraph above for soil descriptions.)

Unit Number: 7

Coordinates: S38 W4

Dates of Excavation: 19 July, 2012

The unit was placed to the southeast of a pile of stones, thought perhaps to be a disturbed remnant of a foundation. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through

¼" mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the southwest (SW) corner.

Level 0

Beginning elevations (cm) for this level were as follows: NE 15, SE 7, SW 10, NW 12, Center 10.5. The depth of excavation of this level began at 7 cm. The excavation objectives for this level were to look at the ground surface and recover any artifacts found. At this level, excavators observed grass and no artifacts.

Level 1

Beginning elevations (cm) for this level were as follows: NE 15, SE 7, SW 10, NW 12, Center 10.5. The excavation objectives were to remove the humus layer and sod and recover any artifacts found. Excavators removed sod and the humus layer using a shovel and screened the soil. No artifacts were removed. They found some bugs in the dirt as well as small rocks and roots. The soil was a fairly dry, grainy, sandy loam with a Munsell reading of 10YR 2/2, which is described as "very dark brown." The depth of excavation of this level began at 7 cm and ended at 19 cm. Ending elevations (cm) for this level were as follows: NE 17, SE 14, SW 17, NW 19, Center 16.

Level 2

Beginning elevations (cm) for this level were as follows: NE 17, SE 14, SW 17, NW 19, Center 16. The excavation objectives for this level were to level out the unit, recover any artifacts found, and observe soil changes. The team excavated the level using trowels. They found some worms and cicadas in the soil, as well as small and medium sized roots and leaf litter. This level had a moderate artifact density, with most of the findings coming from the northwest (NW) corner of the unit. Artifacts recovered were glass shards, ceramic sherds, nails, pieces of charcoal, and two pieces of pipe stem. There was a very slight soil color change. Excavators successfully leveled out the unit and interpreted that they were in the midden. The soil was a slightly damp, grainy, sandy loam with a Munsell reading of 10YR 3/2, which is described as "very dark greyish brown." The depth of excavation of this level began at 14 cm and ended at 20 cm. Ending elevations (cm) for this level were as follows: NE 20, SE 20, SW 20, NW 20, Center 20.

Level 3

Beginning elevations (cm) for this level were as follows: NE 20, SE 20, SW 20, NW 20, Center 20. The excavation objectives were to excavate a 3 cm level, recover any artifacts found, and observe any soil changes. The team excavated using trowels and found cicadas and grubs. This level had a moderate artifact density. They were still finding a large proportion of the artifacts in the northeast (NE) corner. Artifacts collected were ceramic sherds, the shoulder of a medicine bottle, a pipe stem, and glass shards. There was a big root long the middle of the unit. The soil at the base of the level was beginning to look orange. The soil was dry and grainy and was a sandy loam. Most of the unit had a Munsell reading of 10YR 3/3 dark brown, while patches of the unit had a Munsell reading of 10YR 3/6 dark yellowish brown. The excavators interpreted that they were in the midden. The depth of excavation of this level began at 20 cm and ended at 24 cm. Ending elevations (cm) were as follows: NE 23, SE 23, SW 23, NW 24, Center 24.

Level 4

Beginning elevations (cm) for this level were as follows: NE 23, SE 23, SW 23, NW 24, Center 24. Excavation objectives for this level were to excavate a 3 cm level, recover any artifacts found, and observe soil changes. The team excavated using trowels and discovered some cicadas. There was still a large root through the middle of the unit, passing through the north and south walls of the unit. This level had very low artifact density and more patches of the dark orange/brown soil. Artifacts recovered were nails, a metal piece, and a white ceramic sherd. The soil was a dry, grainy, sandy loam containing roots, cicadas, and small rocks. Most of the soil had a Munsell reading of 10YR 3/3 dark brown, while the patches had a reading of 10YR 3/6 dark yellowish brown. The depth of excavation of this level began at 23 cm and ended at 27 cm. Ending elevations (cm) for this level were as follows: NE 27, SE 26.5, SW 26, NW 26, Center 26.

Level 5

Beginning elevations (cm) for this level were as follows: NE 27, SE 26.5, SW 26, NW 26, Center 26. The excavation objectives for this level were to excavate a 3 cm level, recover any artifacts found, and observe any soil changes. The team excavated using trowels. They reached more orange soil, which they interpreted was probably subsoil. The soil was dry and was a fine, grainy, sandy loam containing roots and small rocks. The unit contained two colors of soil – one with a Munsell reading of 10YR 3/6 dark yellowish brown, and one with a Munsell reading of 10YR 3/2 very dark greyish brown. This level had a low artifact density. Artifacts recovered were a pot sherd, a nail, a glass shard, a pig tooth, and a pipe stem. As this level was excavated, it started to rain. The depth of excavation of this level began at 26 cm and ended at 30 cm. The ending elevations (cm) for this level were as follows: NE 30, SE 29, SW 29, NW 29, Center 29.

Level 6

Beginning elevations (cm) for this level were as follows: NE 30, SE 29, SW 29, NW 29, Center 29. The excavation objectives for this level were to excavate a 3 cm level, recover any artifacts found, and observe soil changes. The team excavated using trowels. It was still drizzling outside. The dark grey soil aligned along the west half of the unit, and the excavators interpreted it to be a possible feature. This level had a low artifact density, as only one nail was recovered. The team ended up digging a bit too deep in the NE corner because it had more orange subsoil. The team screened the dark grey soil separately. The unit had two different colors of soil – one with a Munsell reading of 10YR 3/6 dark yellowish brown, and one with a Munsell reading of 10YR 3/2 very dark greyish brown. The soil was a dry, fine, grainy sand containing roots and small rocks. The depth of excavation of this level began at 29 cm and ended at 35 cm. Ending elevations (cm) for this level were as follows: NE 36, SE 33, SW 33, NW 33, and Center 33.

Level 7

Beginning elevations (cm) for this level were as follows: NE 36, SE 33, SW 33, NW 33, and Center 33. The excavation objectives for this level were to excavate a 3 cm level, recover any artifacts found, and observe soil change. The team excavated using trowels. They were still screening the dark soil separately. The soil was a grainy, sandy loam containing small rocks and roots. The Munsell reading for half of the soil was a 10YR 4/6 dark yellowish brown, and the reading for the other half was 10YR 3/2 very dark greyish brown. A large root was still running through the middle of the north and south wall of the unit, until the team cut it. No artifacts were found in this level. The team interpreted that in this unit there was possibly a fire to burn plants or something, which would explain the charcoal. The depth of excavation of this level began at 33 cm and ended at 37 cm. The ending elevations (cm) for this level were as follows: NE 37, SE 37, SW 36, NW 36, Center 37.

Level 8

Beginning elevations (cm) for this level were as follows: NE 37, SE 37, SW 36, NW 36, Center 37. The depth of excavation of this level began at 36 cm and ended at 42 cm. The excavation objectives were to excavate a 3 cm level to observe color change and recover any artifacts found. The team excavated using shovels and found no artifacts. The team interpreted that they had reached culturally sterile subsoil. The soil was a dry, fine, grainy, sandy loam containing roots and small rocks. Part of the soil had a Munsell reading of 10YR 4/6, “dark yellowish brown,” and the other part had a Munsell reading of 10YR 3/2, “very dark greyish brown.” The ending elevations (cm) for this level were: NE 40, SE 41, SW 40, NW 42, Center 40.

Profile

A profile of the south wall was drawn for Unit 7 (Figure 4.10). The profile of this unit includes 6 major zones of soil. The first zone was a humus layer that had a Munsell reading of 10YR 3/3, which is described as “dark brown.” The second zone marked a buried horizon with a Munsell reading of 3/2, which is described as “very dark greyish brown.” The third zone had a Munsell reading of 10YR 3/6 dark yellowish brown. The fourth zone had a Munsell reading of 10YR 4/2 dark greyish brown. The fifth zone had a Munsell reading of 10YR 2/1, which is described as “black.” The sixth zone had a Munsell reading of 10YR 4/1, which is described as “dark grey.”

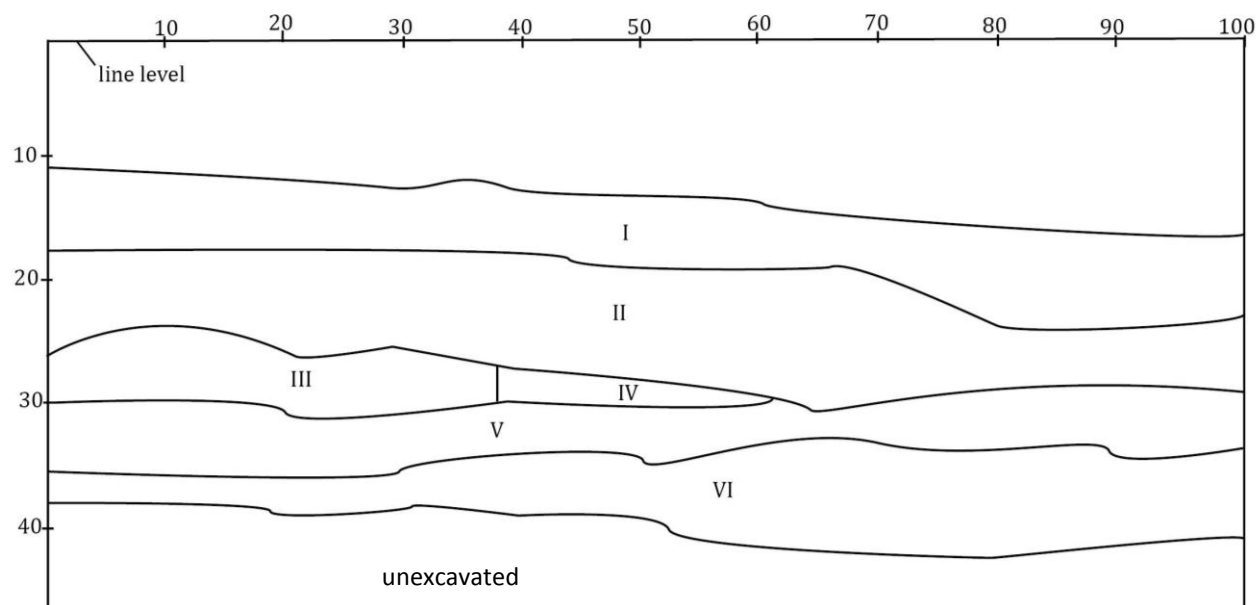


Figure 4.10. Profile of the south wall of Unit 7. (See the paragraph above for soil descriptions.)

Unit Number: 8

Coordinates: S41 W8

Dates of Excavation: 19 July, 2012

The unit was placed on a small rise south of Units 2 and 6. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through ¼" mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the southwest (SW) corner.

Level 0

Beginning elevations (cm) for this level were as follows: NE 6, SE 6, SW 10, NW 8.5, Center 8. The depth of excavation of this level began at 6 cm. The excavation objectives for this level were to take measurements and observe the surface. The team observed that there was very tall grass and a fairly even surface. They found no artifacts.

Level 1

Beginning elevations (cm) for this level were as follows: NE 6, SE 6, SW 10, NW 8.5, Center 8. The excavation objectives for this level were to remove sod and recover any artifacts found. The team noticed that the soil was dry and pretty sandy, and contained some roots, but they did not find any artifacts. The soil was a fine sand with a Munsell reading of 10YR 3/2 very dark greyish brown. The depth of excavation of this level began at 6 cm and ended at 15 cm. The ending elevations (cm) for this level were as follows: NE 13, SE 12, SW 15, NW 11.5, Center 12.

Level 2

Beginning elevations (cm) for this level were as follows: NE 13, SE 12, SW 15, NW 11.5, Center 12. The depth of excavation of this level began at 11.5 cm and ended at 16 cm. The excavation objectives for this level were to reach a 15 cm level and recover any artifacts found. The team encountered very densely packed fine roots. There were no large objects of anything else noteworthy. The soil was a dry, very fine grain with a Munsell reading of 10YR 3/3 dark brown. Nails were recovered in this level. Ending elevations (cm) for this level were as follows: NE 16, SE 15, SW 16, NW 15, Center 15.

Level 3

Beginning elevations (cm) for this level were as follows: NE 16, SE 15, SW 16, NW 15, Center 15. The excavation objectives for this level were to reach 18 cmbd and recover artifacts found. The team encountered lots of densely packed fine roots and nothing else noteworthy, though they were starting to find more artifacts. Artifacts recovered were nails, glass, ceramic, and metal. The soil was dry, grainy, and coarse, and had a Munsell reading of 10YR 3/3 dark brown. The depth of excavation of this level began at 15 cm and ended at 18 cm. The ending elevations (cm) were: NE 18, SE 18, SW 18, NW 18, Center 18.

Level 4

Beginning elevations (cm) for this level were as follows: NE 18, SE 18, SW 18, NW 18, Center 18. The excavation objectives for this level were to reach 21 cmbd and recover artifacts found. The team was still finding dense, fine roots. The soil was a dry, grainy sand with a brown patch in the south side. Most of the soil had a Munsell reading of 10YR 3/3 dark brown, while the patch had a reading of 10YR 4/3 brown. Artifacts recovered included nails, wood, ceramic (including flow blue) and charcoal. The depth of excavation of this level began at 18 cm and ended at 21 cm. The ending elevations (cm) for this level were as follows: NE 21, SE 21, SW 21.5, NW 21, Center 21.

Level 5

Beginning elevations (cm) for this level were as follows: NE 21, SE 21, SW 21.5, NW 21, Center 21. The excavation objectives for this level were to reach a 24 cm level and recover artifacts found. There were still lots of roots in the unit and the soil colors were starting to change. The excavators interpreted that they were making their way through the topsoil. The soil was grainy and damp because it was raining. Patches of colors were starting to appear in the soil. It had a Munsell reading of 10YR 5/1 grey, 10YR 4/3 brown, and 10YR 3/3 dark brown. Artifacts recovered were nails and ceramics. The depth of excavation of this level began at 21 cm and ended at 27 cm. The ending elevations (cm) for this level were as follows: NE 27, SE 26, SW 24.5, NW 24.5, Center 24.5.

Level 6

Beginning elevations (cm) for this level were as follows: NE 27, SE 26, SW 24.5, NW 24.5, Center 24.5. The excavation objective for this level was to reach 27 cmbd all across the unit. The team observed that the soil colors were still changing. It was still raining. The soil was grainy and contained a few roots. The soil had Munsell readings of 10YR 4/3 brown, 10YR 2/1 black, and 10YR 6/1 grey. Artifacts recovered were metal, a nail, and glass. The depth of excavation of this level began at 24.5 cm and ended at 27 cm. The ending elevations (cm) for this level were as follows: NE 27, SE 27, SW 27, NW 27, Center 27.

Level 7

Beginning elevations (cm) for this level were as follows: NE 27, SE 27, SW 27, NW 27, Center 27. The excavation objectives for this level were to reach 30 cmbd and recover any artifacts found. The team observed roots and patches of color in the soil. The black dirt was more soft and moist than the other soils observed. The soil was grainy and contained roots. Its Munsell readings were 10YR 2/1 black, 10YR 5/1 grey, and 10YR 4/4 dark yellowish brown. Artifacts recovered were metal and ceramic. The depth of excavation of this level began at 27 cm and ended at 30 cm. The ending elevations (cm) of this level were as follows: NE 30, SE 30, SW 30, NW 30, Center 30.

Level 8

Beginning elevations (cm) of this level were as follows: NE 30, SE 30, SW 30, NW 30, Center 30. The excavation objectives for this level were to reach 33 cmbd and recover any artifacts found. The excavators observed that there were fewer roots in the unit and that the soil had turned all grey. The soil was dry, fine, and grainy, and had a Munsell reading of 10YR 3/1, which is described as “very dark grey.” There were few artifacts and an unusually large amount of charcoal. The only artifact recovered was a shiny piece of metal found in the interface between levels 7 and 8. The team was digging too many centimeters too quickly with the shovel and noted that they needed to be more careful with the next level. The depth of

excavation of this level began at 30 cm and ended at 36 cm. Ending elevations (cm) of this level were as follows: NE 33, SE 33, SW 33, NW 33, Center 36.

Level 9

Beginning elevations (cm) of this level were as follows: NE 33, SE 33, SW 33, NW 33, Center 36. The excavation objectives for this level were to reach 36 cmbd and recover artifacts found. The team encountered very few roots in this level. The soil was dry, sandy, and grainy at this level and had Munsell reading of 10YR 5/1 grey, 10YR 4/2 dark greyish brown, and 10YR 2/2 very dark brown. Artifacts recovered were melted glass and a nail. The depth of excavation of this level began at 33 cm and ended at 36 cm. Ending elevations (cm) of this level were as follows: NE 36, SE 36, SW 36, NW 36, Center 36.

Profile

A profile of the south wall was drawn for Unit 8 (Figure 4.11). The profile of this unit included four major zones of soil. The first zone had a Munsell reading of 10YR 3/2, which is described as “very dark greyish brown.” The second had a Munsell reading of 10YR 3/3, which is described as “dark brown.” The third zone had a Munsell reading of 10YR 2/1 black. The fourth zone had a Munsell reading of 10YR 6/1, which is described as “grey.”

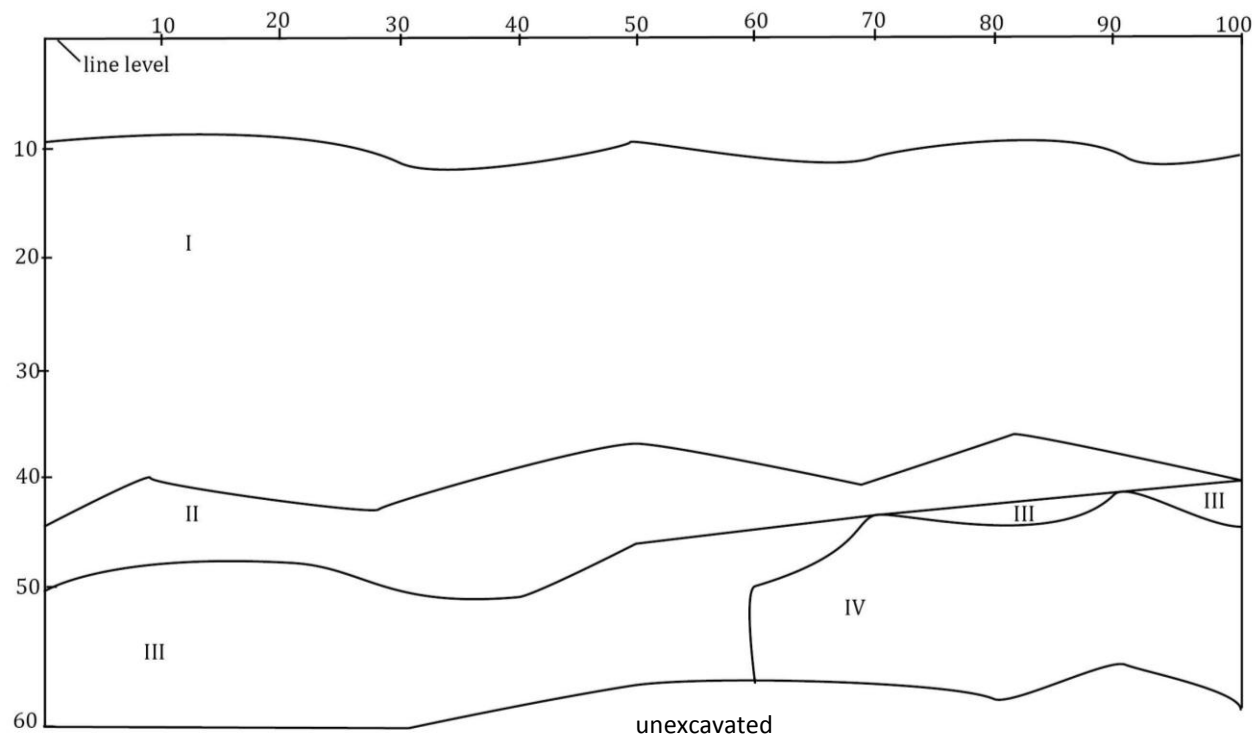


Figure 4.11. Profile of the south wall of Unit 8. (See the paragraph above for soil descriptions.)

Unit Number: 9

Coordinates: S38 W10

Dates of Excavation: 20 July, 2012

The unit was placed in the area of a rich sheet midden encountered in Unit 2. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through ¼" mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the southwest (SW) corner.

Level 0

Beginning elevations (cm) for this level were as follows: NE 26, SE 15, SW 10, NW 17.5, Center 18. The excavation objective for this level was to observe what was at the ground surface before excavating. The team observed that the surface level was grassy and contained twigs and leaves. They noted that the northeast (NE) corner was in a depression in the earth. They interpreted that the unit was on a corner of a rock pile, at what was possible the outside of the house.

Level 1

Beginning elevations (cm) for this level were as follows: NE 26, SE 15, SW 10, NW 17.5, Center 18. The excavation objectives were to remove a layer of sod and keep it intact to the best of the team's ability. The excavators did this and found a pig's tooth in the sod. The team interpreted that they were in the humus layer. The soil was a dry, sandy loam that contained roots and ants. It had a Munsell reading of 10YR 3/2, which is described as "very dark greyish brown." Ending elevations (cm) for this level were as follows: NE 28.5, SE 17, SW 19, NW 24, Center 24.

Level 2

Beginning elevations (cm) for this level were as follows: NE 28.5, SE 17, SW 19, NW 24, Center 24. The excavation objective for this level was to level the higher corners of the unit down to 20 cmbd. Excavators removed a layer of cultural deposits in the southwest (SW) and southwest (SE) corners of the unit. Artifacts collected were ceramics, paint chips, glass, charcoal, metal, and nails. The team interpreted that they were in the sub-sod. The soil was a dry, sandy loam containing roots and ants. Its Munsell reading was 10YR 3/1, which is described as "very dark grey." Ending elevations (cm) for this level were as follows: NE 28.5, SE 21, SW 20.5, NW 24, Center 24.

Level 3

Beginning elevations (cm) for this level were as follows: NE 28.5, SE 21, SW 20.5, NW 24, Center 24. The excavation objective for this level was to level the southeast (SE) and southwest (SW) corners to 25 cmbd to make the unit even with the center and the northwest (NW) corner. Excavators removed a layer of cultural deposits, collecting wire, nails, glass, ceramics, and a metal piece. The team was beginning to hit grey sand which had been indicative of subsoil in other units. The soil was a dry, sandy loam containing roots and ants. Its Munsell reading was 10YR 3/1, which is described as "very dark grey." The southwest (SW) corner of the unit had a Munsell reading of 10YR 5/1, which is described as "grey." Ending elevations (cm) for this level were as follows: NE 28.5, SE 24, SW 24, NW 24, Center 24.

Level 4

Beginning elevations (cm) for this level were as follows: NE 28.5, SE 24, SW 24, NW 24, Center 24. The excavation objective for this level was to remove a layer of cultural deposits to level the entire unit to 28 cmbd. Excavators did this and found that the southwest (SW) corner of the unit was becoming increasingly grey and sandy, reaching what they had found to be subsoil in other units. The grey sand was also beginning to show in the southeast (SE) corner of the unit. Excavators interpreted that they were reaching subsoil in the South side of the unit. The soil was a dry, sandy loam with roots. The Munsell reading for the SW corner of the unit was 10YR 6/1, "grey," and for the rest of the unit was 10YR 3/1, "very dark grey." The team collected nails, ceramics, glass, metal pieces, mortar, nails, and wire. There was a piece of metal embedded in the surface of the southeast (SE) corner that could not yet be removed. Ending elevations (cm) for this level were as follows: NE 29, SE 28, SW 28, NW 28, Center 28.

Level 5

Beginning elevations (cm) for this level were as follows: NE 29, SE 28, SW 28, NW 28, Center 28. The excavation objective for this level was to remove a 3 cm layer of cultural deposits. The team did this and found that the artifact density for this level had increased. Artifacts recovered were metal, glass, ceramic, burned bone, and mortar. Excavators interpreted that they were still in the midden except for in the southwest (SW) corner which was the sandy subsoil. The soil was dry and sandy and contained roots and ants. The SW

corner of the unit had a Munsell reading of 10YR 7/1 light grey, while the rest of the unit had a Munsell reading of 10YR 3/2 very dark greyish brown. The piece of folded metal in the surface still could not be completely removed. Ending elevations (cm) were as follows: NE 32, SE 31, SW 33, NW 31, Center 32.

Level 6

Beginning elevations (cm) for this level were as follows: NE 32, SE 31, SW 33, NW 31, Center 32. The excavation objective for this level was to remove a layer of cultural deposits to level the unit to 34 cmbd, screening the grey sand separately from the midden. The team did this and one item was collected from the grey sand, though it may not be an artifact. Probing the southwest (SW) corner of the unit showed there was about 15 cm more of the grey sand, followed by the orange subsoil. Excavators interpreted that they had reached subsoil in the SW corner, while the rest of the unit was still midden. The soil was a dry, sandy loam with roots and ants. The SW corner had a Munsell reading of 10YR 6/1 grey, while the rest of the unit had a Munsell reading of 10YR 3/1 very dark grey. The team discovered that what they had previously believed to be a piece of folded metal was actually the bottom of a shoe. The boot could not be removed at that time. Two pictures were taken of the shoe. The artifact density was decreasing in this level. Artifacts recovered were bone, shoe parts, ceramic, glass, metal, and nails. Ending elevations (cm) for this level were as follows: NE 34, SE 34, SW 33.5, NW 35, Center 34.

Level 7

Beginning elevations (cm) for this level were as follows: NE 34, SE 34, SW 33.5, NW 35, Center 34. The excavation objective for this level was to remove a 3 cm layer of cultural deposits, screening the grey and dark grey soil separately. The team did this, finding no artifacts in the grey sand, which still made up the southwest (SW) corner of the unit. Orange subsoil was appearing in the center of the unit. The artifact density had decreased significantly. Artifacts recovered were a shoe, nails, metal, and a ceramic sherd. Upon probing the southeast (SE), northeast (NE), and northwest (NW) corners, the team found that they were near subsoil in the SE and NE corners of the unit, but still had several layers of midden left in the NW corner of the unit. The team interpreted that they had reached subsoil in the south side of the unit. The soil in this level was dry and sandy with roots and ants. Most of the unit's soil had a Munsell reading of 10YR 3/2 very dark greyish brown. The center of the unit had a Munsell reading of 10YR 4/6 dark yellowish brown. The SW corner of the unit had a Munsell reading of 7/1 light grey. Ending elevations (cm) for this level were as follows: NE 37.5, SE 37.5, SW 37, NW 40, Center 40.

Level 8

Beginning elevations (cm) for this level were as follows: NE 37.5, SE 37.5, SW 37, NW 40, Center 40. The excavation objective for this level was to remove a 3 cm layer of cultural deposits from all but the southwest (SW) corner of the unit. Excavators removed a layer of cultural deposits from the southeast (SE), northwest (NW), and northeast (NE) corners. The artifact density was decreasing. The team collected glass, bone, and metal. They interpreted that the south side of the unit was sterile soil. The soil was dry and sandy, with roots. The SW corner of the unit had a Munsell reading of 10YR 7/1 light grey. The north side of the unit had a Munsell reading of 10YR 3/2 very dark greyish brown. The SE corner of the unit had a Munsell reading of 10YR 4/4 dark yellowish brown. Ending elevations (cm) for this level were as follows: NE 47.5, SE 46, SW 37, NW 48, Center 47.5.

Level 9

Beginning elevations (cm) for this level were as follows: NE 47.5, SE 46, SW 37, NW 48, Center 47.5. The excavation objective was to remove a 3 cm layer of cultural deposits on the North side of the unit. The team did this, collecting several bones and pieces of eggshell as well as glass, nails, ceramics, and cedar. All artifacts were found in the NW corner except for a piece of glass and an eggshell. Excavators interpreted that the bones belonged to a pig, but were unsure what type of animal the jaw found in the northeast (NE) corner of Level 8 was from. One of the bones founds had cuts as if it had been poorly slaughtered. The soil was dry and sandy, with roots. The soil in the NE corner of the unit had a Munsell reading of 10YR 4/4 dark

yellowish brown. The soil in the northwest (NW) corner had a Munsell reading of 10YR 3/2 very dark greyish brown. Ending elevations (cm) were as follows: NE 54, SE 46, SW 37, NW 53, Center 53.

Level 10

Beginning elevations (cm) for this level were as follows: NE 54, SE 46, SW 37, NW 53, Center 53. Excavation objectives were to remove a 3 cm layer of cultural deposits from the north side of the unit. There was a bone jutting from the west wall in the NW corner of the unit that could not be removed. Another bone was collected. Two different animals were the minimum number of individuals whose remains had been collected in this unit. The soil was dry and sandy with roots and had Munsell readings of 4/6 dark yellowish brown, in the NE corner and 3/2 very dark greyish brown in the NW corner. Also collected were cedar, glass, a nail, an eggshell, and fish vertebrae. Ending elevations (cm) for this level were as follows: NE 57, SE 46, SW 37, NW 58, Center 59.

Level 11

Beginning elevations (cm) for this level were as follows: NE 57, SE 46, SW 37, NW 58, Center 59. The objective was to remove a 3 cm layer of cultural deposits from the north side of the unit. The team found only an animal bone. They had reached sterile subsoil in all but the NW corner. The soil was dry and sandy with roots. The NE corner had a Munsell reading of 10YR 4/4 "dark yellowish brown." The NW corner was 3/1 "very dark grey." Ending elevations (cm) were NE 60, SE 46, SW 37, NW 62, and center 61.

Level 12

Beginning elevations (cm) for this level were NE 60, SE 46, SW 37, NW 62, and center 61. The objective was to remove a 3 cm layer from the NW corner only. A profile was taken of the north wall.

Profile

A profile of the north wall was completed for Unit 9. The profile of this unit includes 2 major zones of soil. The first zone was a sandy loam with roots and had a Munsell reading of 10YR 3/2, which is described as "very dark greyish brown." The second zone was subsoil and had a Munsell reading of 10YR 4/6, which is described as "dark yellowish brown."

Unit Number: 10

Coordinates: S41 W10

Dates of Excavation: 20 July, 2012

The unit was placed in an area of a small depression. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through 1/4" mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the southwest (SW) corner.

Level 0

Beginning elevations (cm) were NE 13, SE 15, SW 10, NW 13.5, Center 15. The excavation objective was to look at the ground surface and recover any artifacts found. The team observed grass and leaf litter. They cut some of the grass using shears. No artifacts were found. Initial measurements were taken.

Level 1

Beginning elevations (cm) were NE 13, SE 15, SW 10, NW 13.5, Center 15. The depth of excavation began at 13 cm and ended at 24 cm. Ending elevations (cm) were NE 17, SE 25, SW 17, NW 15, Center 20. The excavation objectives were to remove the humus layer and recover any artifacts found. The team removed the humus layer using shovels and trowels. They found no artifacts. The soil was a dry sandy loam containing roots and leaf litter. It had a Munsell reading of 10YR 3/2 very dark greyish brown.

Level 2

Beginning elevations (cm) were NE 17, SE 25, SW 17, NW 15, Center 20. The excavation objective was to start to level out the unit. The team excavated using towels and started to level out the unit. There were cicadas and roots in the soil but no artifacts. The sun was out and it was getting warm. The team had not yet reached the midden. The soil was a dry, fine, grainy, sandy loam with a Munsell reading of 10YR 4/2 dark greyish brown. The depth of excavation began at 15 cm and ended at 25 cm. Ending elevations were NE 22, SE 25, SW 20, NW 20, and Center 22.

Level 3

The beginning elevations (cm) were NE 22, SE 25, SW 20, NW 20, and Center 22. The excavation objective was to continue leveling out the unit, recover any artifacts found, and observe soil changes. The team excavated using trowels. The sun was out. There were cicadas in the soil. No artifacts were recovered. The team interpreted that the unit may be a void. The soil was a dry, fine, grainy loam containing roots and small rocks. Its Munsell reading was 10YR 3/2 very dark greyish brown. The soil was uniform across the unit. The team leveled out the entire unit. The depth of excavation began at 20 cm and ended at 25 cm. Ending elevations (cm) were NE 25, SE 25, SW 25, NW 25, Center 25.

Level 4

Beginning elevations (cm) were NE 25, SE 25, SW 25, NW 25, Center 25. The excavation objective was to excavate a 3 cm level and recover any artifacts found. The team excavated using trowels. There were still cicadas and lots of small roots. The sun was out and the soil was very dry and contained ants. There were finally artifacts recovered in the unit. Artifacts recovered were ceramic sherds, nails, window glass shards, and metal pieces. The soil was uniform across the unit. The team interpreted they had reached the midden. The soil contained small rocks and was a grainy, sandy loam. It had a Munsell reading of 10YR 3/2 very dark greyish brown. The depth of excavation of this level began at 25 cm and ended at 28 cm. Ending elevations (cm) were NE 28, SE 28, SW 28, NE 28, Center 28.

Level 5

Beginning elevations (cm) were NE 28, SE 28, SW 28, NE 28, Center 28. The excavation objective was to excavate a 3 cm level, recover any artifacts found, and observe soil changes. The team excavated using trowels. The soil was uniform across the unit. Ants, cicadas, and some artifacts were found in the midden. The soil was dry, grainy, and sandy and contained roots and small rocks. It had a Munsell reading of 10YR 3/2 very dark greyish brown. Artifacts recovered were ceramic sherds, glass shards, nails, metal pieces, and a metal piece that could be a piece of a shoe. The depth of excavation of this level began at 28 cm and ended at 31 cm. Ending elevations (cm) were NE 31, SE 31, SW 31, NW 31, Center 31.

Level 6

Beginning elevations (cm) were NE 31, SE 31, SW 31, NW 31, Center 31. The excavation objective was to excavate a 3 cm level, recover any artifacts found, and observe any soil changes. The team excavated using trowels and a shovel. The soil remained uniform. This level had a low artifact density. The soil was a dry sandy loam containing roots. Its Munsell reading was 10YR 3/2 dark greyish brown. Artifacts recovered were a glass shard, a ceramic sherd, and a couple small nails. The depth of excavation of this level began at 31 cm and ended at 35 cm. Ending elevations (cm) were NE 34, SE 37, SW 35, NW 34, center 34.

Level 7

Beginning elevations (cm) were NE 34, SE 37, SW 35, NW 34, center 34. The depth of excavation began at 34 cm and ended at 39 cm. The excavation objective was to excavate a 3 cm level, recover any artifacts found, and observe any soil change. The team used a shovel to excavate the level. The sun was out. There was a low artifact density. The soil was still very uniform. It was a dry, grainy, sandy loam containing roots. Its Munsell reading was 10YR 3/2 dark greyish brown. Artifacts recovered were nails and glass shards. Ending elevations (cm) were NE 37, SE 37, SW 37, NW 38, Center 37.

Level 8

Beginning elevations (cm) for this level were as follows: NE 37, SE 37, SW 37, NW 37, Center 37. Excavation objectives were to excavate a 3 cm level, recover artifacts found, and observe soil changes. The team excavated using a shovel. The soil was uniform across the unit. It was a dry, grainy, sandy loam containing roots. It had a Munsell reading of 10YR 3/2 which is described as “dark greyish brown.” Some charcoal pieces and glass were recovered from the southwest (SW) corner of the unit. Other artifacts recovered were bottle glass shards, ceramic sherds, nails, a bone, and metal pieces and wire. The team noticed that some of the artifacts were burnt. Excavators interpreted that they were excavating in the midden. The depth of excavation of this level began at 37 cm and ended at 41 cm. Ending elevations (cm) for this level were as follows: NE 41, SE 41, SW 40, NW 41, Center 41.

Level 9

Beginning elevations (cm) for this level were as follows: NE 41, SE 41, SW 40, NW 41, Center 41. The depth of excavation of this level began at 40 cm. The excavation objectives were to excavate a 3 cm level, recover artifacts found, and observe any soil color changes. The team excavated using shovels and trowels. The sun was shining bright and it was very hot outside. Excavators interpreted that they were excavating in the midden. The soil was a dry, grainy, sandy loam containing roots and small rocks. It had a Munsell reading of 10YR 3/2, which is described as “dark greyish brown.” Artifacts recovered were nails, dark glass bottle shards, a big metal piece, shards of the base of a wine bottle, and glass shards. Ending elevations (cm) were as follows: NE 44, SE 44, SW 44, NW 44, Center 44.

Level 10

Beginning elevations (cm) for this level were as follows: NE 44, SE 44, SW 44, NW 44, Center 44. The team excavated using shovels and trowels. They recovered a large ceramic sherd and charcoal pieces. This level had a low artifact density. Other artifacts recovered were a button, small metal pieces, nails, and small glass shards. The soil was uniform across the unit. It was a dry, grainy loam containing roots and small rocks. Its Munsell reading was 10YR 3/2, which is described as “dark greyish brown.” The team interpreted that they were still excavating in the midden. The depth of excavation of this level began at 44 cm and ended at 47 cm. Ending elevations (cm) for this level were as follows: NE 47, SE 47, SW 47, NW 47, Center 47.

Level 11

Beginning elevations (cm) for this level were as follows: NE 47, SE 47, SW 47, NW 47, Center 47. The depth of excavation of this level began at 47 cm. The excavation objectives were to excavate a 3 cm level and recover any artifacts found. The sun was out and it was hot during the excavation of this level. The team excavated using shovels and trowels. The soil remained uniform across the unit. It was a dry, grainy, sandy loam containing roots. It had a Munsell reading of 10YR 3/2, which is described as “dark greyish brown.” Artifacts recovered were ceramic sherds, glass, burned bones, and butchered bone. The depth of excavation of this level began at 47 cm. Ending elevations (cm) were as follows: NE 50, SE 50, SW 50, NW 50, Center 50.5.

Level 12

Beginning elevations (cm) were as follows: NE 50, SE 50, SW 50, NW 50, Center 50.5. The depth of excavation of this level began at 50 cm. The excavation objectives were to excavate a 3 cm level, recover any artifacts found, and observe any soil changes. The team excavated using trowels. They found pieces of a tin can, including part of a cap, but did not recover all of it. The artifact density of the unit was decreasing. The soil was a dry, grainy, sandy loam containing roots. Its Munsell reading was 10YR 3/2, which is described as “very dark greyish brown.” Ending elevations (cm) for this level were as follows: NE 53, SE 53, SW 53, NW 53, Center 53.

Unit Number: 11

Coordinates: S34 W13

Dates of Excavation: 20 July, 2012

The unit was placed in an area of rich sheet midden. The unit matrix was excavated using a shovel and a trowel. All deposits were screened through ¼" mesh. The soil was described using the 10YR Munsell Color Chart. The soil was described using the 10YR Munsell color chart. The datum for this unit was in the southwest (SW) corner.

Level 0

Beginning elevations (cm) for this level were as follows: NE 8, SE 9, SW 20, NW 11, Center 9. The excavation objectives for this level were to look for artifacts at the ground surface and recover any artifacts found. The team observed grass and twigs, but no artifacts were found.

Level 1

Beginning elevations (cm) for this level were as follows: NE 8, SE 9, SW 20, NW 11, Center 9. The excavation objectives were to remove the sod and recover any artifacts found. The team used shovels to remove the sod and humus layer. A large metal piece was recovered from the northeast (NE) corner. A metal wire was sticking out of the east wall in the NE corner. Artifacts collected were the large metal panel and a mortar sample. The soil was a dry, grainy dirt containing roots. It had a Munsell reading of 10YR 2/2, which is described as "very dark brown." Ending elevations (cm) for this level were as follows: NE 11, SE 13, SW 16, NW 18, Center 12.

Level 2

Beginning elevations (cm) for this level were as follows: NE 11, SE 13, SW 16, NW 18, Center 12. The excavation objectives were to level out the unit to 18 cmbd and recover any artifacts found. The team found a wire sticking out of the northeast (NE) corner of the unit. The wire consisted of two large shoelace-type loops. The level contained a large amount of mortar. A cow rib was showing up in the southwest (SW) corner. The soil was a sandy loam that was a little damp and contained mulch and roots. It had a Munsell reading of 10YR 3/2, which is described as "very dark greyish brown." Artifacts collected were mortar, nails, and glass. Ending elevations (cm) for this level were as follows: NE 19, SE 19, SW 18, NW 18, Center 18.

Level 3

The beginning elevations (cm) for this level were as follows: NE 19, SE 19, SW 18, NW 18, Center 18. The excavation objective was to reach 21 cmbd across the unit and recover any artifacts found. Excavators used a shovel to remove a 3 cm layer from the unit and then used a trowel to level out the unit. The mortar deposit in the unit was ending. Artifacts collected in this level were largely architectural in nature. Wood was surfacing in the unit. It seemed to be cultural rather than wood from the roots. The team interpreted that they were in the midden and collected garbage that had accumulated over time. The soil color and texture was homogenous throughout the unit. Artifacts collected were metal, a plain ceramic sherd that may have had blue shell edges, bottle glass, glass shards, nails, and mortar. It was a slightly damp sandy loam containing roots and wood. It had a Munsell reading of 10YR 3/2, which is described as "very dark greyish brown." The team was approaching the base of the humus layer. Ending elevations (cm) were as follows: NE 23, SE 21.5, SW 21, NW 21, Center 22.

Level 4

Beginning elevations (cm) were as follows: NE 23, SE 21.5, SW 21, NW 21, Center 22. The excavation objective for this level was to reach 24 cmbd across the unit and recover any artifacts found. Excavators used a shovel to remove a 3 cm layer from the unit. They found a big nail in the north side of the unit. No more mortar was found. Artifacts collected were a wooden button, pieces of eggshell, nails, and window glass. There were minimal wood chips in the unit. The team interpreted that they were still excavating in the midden but were reaching the bottom of the humus layer. The unit had maintained the same

artifact density, which included the same types of architectural debris, including window glass and nails. The soil was a dry, soft, sandy loam containing small roots. It had a Munsell reading of 10YR 4/1, which is described as “dark grey.” Ending elevations (cm) were as follows: NE 24, SE 24, SW 24, NW 24, Center 24.

Level 5

Beginning elevations (cm) were as follows: NE 24, SE 24, SW 24, NW 24, Center 24. The excavation objectives for this level were to reach 27 cmbd across the unit and recover any new artifacts. Excavators used trowels to remove a 3 cm layer all around the unit. The artifact density had decreased significantly in this level. Artifacts collected were mortar, a nail, a ceramic sherd, and a burnt bone. Large roots were appearing in the unit. The soil was turning to a lighter grey color. The team was approaching the end of the grey soil, with some subsoil appearing through thin layers of the grey soil. The soil’s color and texture was fairly homogenous throughout the unit. The soil was a dry, soft, sandy loam containing roots. It had a Munsell reading of 10YR 5/1, which is described as “grey.” Ending elevations (cm) for this level were as follows: NE 28, SE 27, SW 27, NW 28, Center 27.

Level 6

Beginning elevations (cm) for this level were as follows: NE 28, SE 27, SW 27, NW 28, Center 27. The depth of excavation of this level began at 27 cm and ended at 30 cm. The excavation objective for this level was to reach 30 cmbd across the unit and recover any artifacts found. The unit included large roots, sandy soil, and very few artifacts. Almost all of the topsoil had been excavated, revealing subsoil. The soil was a dry sandy loam containing roots. It had a Munsell reading of 10YR 5/1 “grey.” Artifacts recovered were plaster, mortar, and nails. The team interpreted that they needed to excavate another level. Ending elevations (cm) for this level were as follows: NE 30, SE 30, SW 30, NW 30, Center 30.

Level 7

Beginning elevations (cm) for this level were as follows: NE 30, SE 30, SW 30, NW 30, Center 30. The depth of excavation of this level began at 30 cm and ended at 33 cm. The excavation objectives for this level were to reach 33 cmbd across the unit and recover any artifacts found. The unit had roots in the southwest (SW) corner. The only artifacts recovered were nails. The soil was a very dry sandy loam with a Munsell reading of 10YR 6/1 grey. Ending elevations (cm) for this level were as follows: NE 33, SE 33, SW 32.5, NW 33, Center 33.

Level 8

Beginning elevations (cm) for this level were as follows: NE 33, SE 33, SW 32.5, NW 33, Center 33. The depth of excavation of this level began at 32.5 cm and ended at 39.5 cm. The excavation objective was to reach 36 cmbd across the unit and recover artifacts found. The team used a shovel and went too far. Probing the unit revealed color variation, so excavators decided to complete another level. No artifacts were collected. The soil was dry and sandy. It contained roots and had a Munsell reading of 10YR 6/2, which is described as “light brownish grey.” The ending elevations (cm) were as follows: NE 38, SE 38, SW 38, NW 38, Center 39.5.

Level 9

Beginning elevations (cm) were as follows: NE 38, SE 38, SW 38, NW 38, Center 39.5. The depth of excavation of this level began at 38 cm and ended at 42.5 cm. The excavation objectives were to reach 41 cmbd across the unit and recover any artifacts found. Excavators used a shovel to remove dirt. There were a few roots in the unit at this level. No artifacts were found. The soil was dry and sandy. It had a Munsell reading of 10YR 5/2, which is described as “greyish brown.” Ending elevations (cm) were as follows: NE 41, SE 41, SW 42.5, NW 41.5, Center 41.5.

Profile

A profile of the south wall was completed for Unit 11. The profile of this unit includes 3 major zones of soil. The first zone had a Munsell reading of 10YR 2/2, which is described as “very dark brown.” The second zone was in two patches and had a Munsell reading of 10YR 4/1 dark grey. The third zone had a Munsell reading of 10YR 6/1, which is described as “grey.”

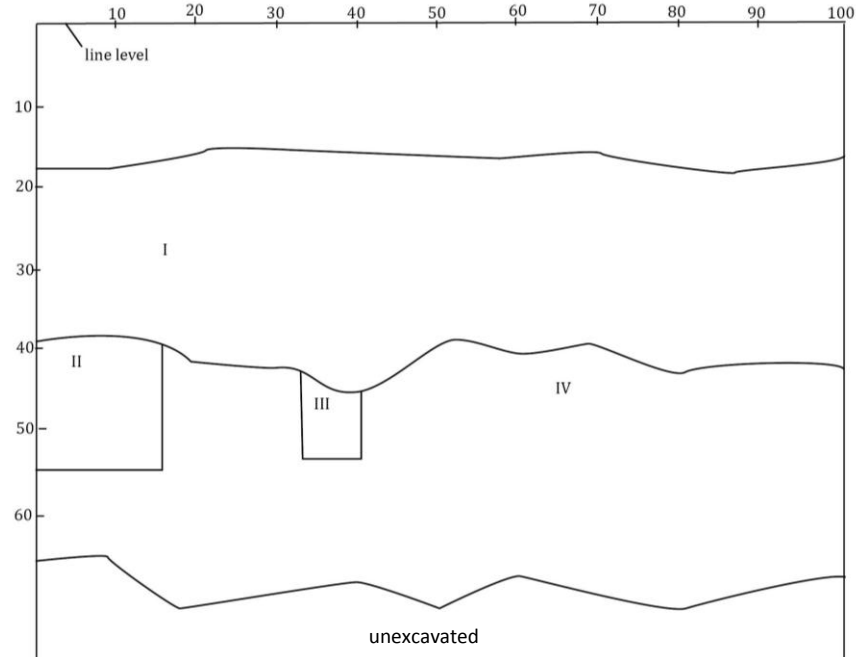


Figure 4.12. Profile of the south wall of Unit 11. (See the paragraph above for soil descriptions.)

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