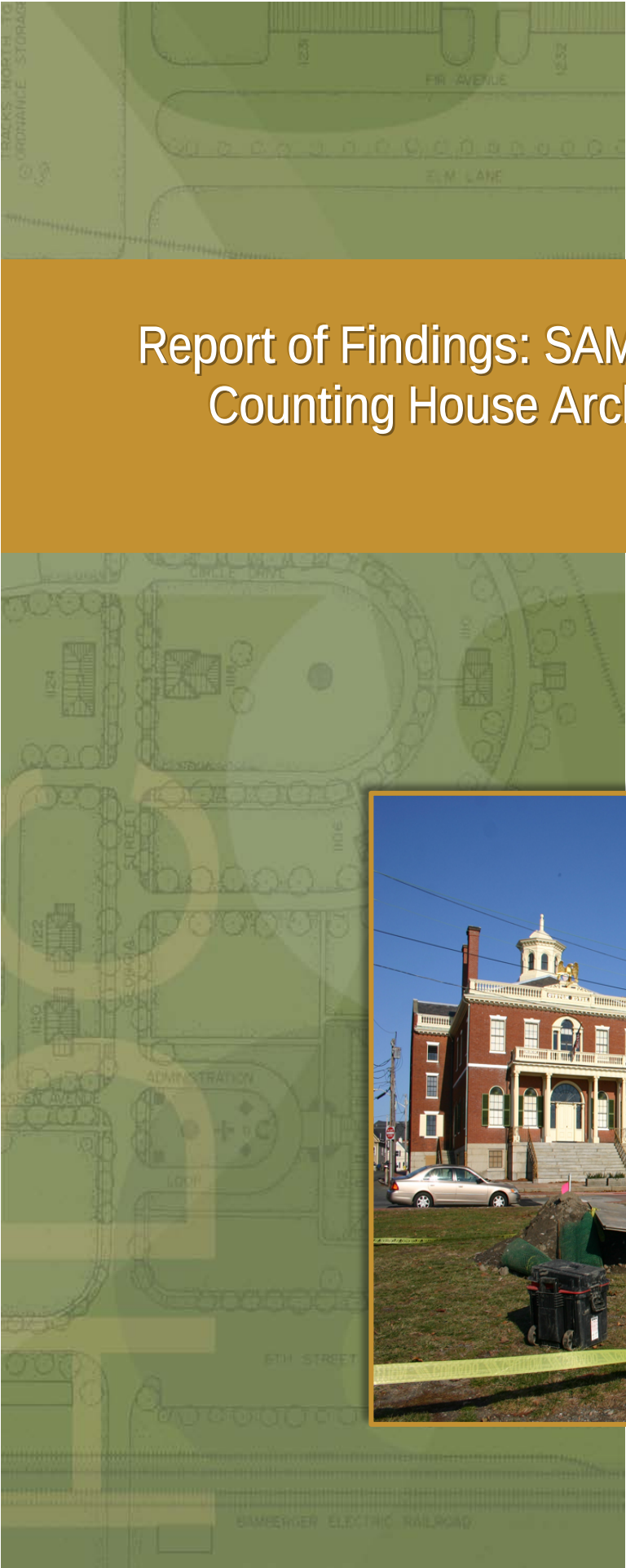




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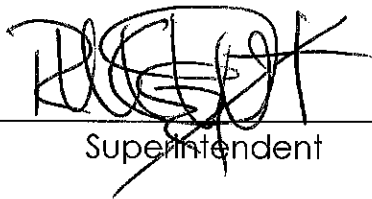
Report of Findings: SAMA 2011 F Conduct Derby Counting House Archeological Investigations

CITY OF SALEM, ESSEX COUNTY,
MASSACHUSETTS
PMIS NUMBER 134855
MARCH 29, 2013



Report Certification

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March 29, 2013

Report of Findings: SAMA 2011 F Conduct Derby Counting House Archeological Investigations

City of Salem, Essex County, Massachusetts

PMIS Number 134855

SUBMITTED BY

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SUBMITTED TO

National Park Service

Northeast Regional Archeology Program

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This report was accomplished with assistance from the U.S. Department of the Interior, National Park Service. The statement, findings, conclusions, recommendations, and other data in this report are solely those of the author(s) and do not necessarily reflect the views of the U.S. Department of the Interior, National Park Service.

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Cover Photograph

Overview of Derby Counting House site location, view looking northeast. Photograph by Andrew R. Sewell, Hardlines Design Company, 2012.

ABSTRACT

Hardlines Design Company (HDC) was contracted by the National Park Service (NPS), Northeast Region Archeology Program (NRAP), to perform an archeological investigation of the Derby Counting House location at Salem Maritime National Historic Site (SAMA) in Massachusetts. The Derby Counting House was a three-story frame warehouse and counting house built in 1765 by Richard Derby, about the same time Derby Wharf was built into Salem Harbor. The Derby Counting House was the first warehouse associated with the wharf, and stood at the head of the wharf until it was moved to a different location to make room for a staging area for the construction of the Custom House, located to the north across Derby Street. The former location of the Derby Counting House remained empty throughout the ensuing centuries. Archeological investigation of the Derby Counting House location began in May of 2012 with a geophysical survey conducted by Dr. William Griswold of the Northeast Region Archeology Program of the National Park Service. This report presents the findings of an excavation project based on the results of the geophysical survey at the site.

A total of 10 one-meter-square excavation units were placed at the Derby Counting House location to test for the remnants of the building and to record information about the taphonomy of the area. The units were positioned to examine a potential subsurface feature indicated by the geophysical survey. The first five units were excavated August 21–23, 2012, with the final five units excavated November 7–10, 2012. Two field sessions were required to complete the project due to unanticipated field conditions. The excavation results indicate that the Derby Counting House location is covered by thick deposits of twentieth-century fill, some of which appears to be related to the renovation of Derby Wharf in 1938, after it was acquired by the National Park Service. These fill deposits cap a series of soil layers that appear to represent deposition events that range in date from the pre-Derby Wharf era in the early to mid-1700s to the immediate post-Derby Counting House period in the early to mid-1800s, after the building removal. Largely absent are deposits dating to the late nineteenth and early twentieth centuries before the wharf renovations, possibly a result of grading related to the renovations. A partial stone foundation or pier was discovered in the approximate location of the Derby Counting House's southeast corner, covered by a layer of brick rubble. The feature interpreted as a compact gravel subfloor by Stull in his 2004 report was present in units north and west of the stone foundation location, but is now interpreted as part of a gravel fill event associated with the building removal in 1819. No definite indication of building remnants were found in units placed directly west of the foundation corner. Apart from the deposit of brick rubble, artifacts related to the Derby Counting House, or at least dating to its period of occupation, were low in number. Few pulled nails were recovered from deposits contemporary with the building, supporting the hypothesis that the building was removed intact rather than demolished in place.

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INTRODUCTION

Hardlines Design Company (HDC) was contracted by the National Park Service (NPS), Northeast Region Archeology Program (NRAP), to perform an archeological investigation of the Derby Counting House location at Salem Maritime National Historic Site (SAMA) in Massachusetts (Figure 1). The Derby Counting House was a three-story frame warehouse and counting house built in 1765 by Richard Derby, about the same time Derby Wharf was built into Salem Harbor. The Derby Counting House was the first warehouse associated with the wharf, and stood at the head of the wharf until it was moved to a different location to make room for a staging area for the construction of the Custom House, located to the north across Derby Street. The former location of the Derby Counting House was not built upon throughout the ensuing centuries, used first as a lumber and coal storage yard, a small park, and currently as part of open space at Derby Wharf within SAMA.

Derby Wharf is a contributing element of SAMA and the Derby Street Local Historic District and is listed individually on the State and National Registers of Historic Places. The wharf is also a National Historic Landmark. If present, the Derby Counting House remnants may also be considered a contributing element to the various historic districts.

The possibility that archeological remains related to the occupation of the Derby Counting House still existed at SAMA was first indicated through archeological testing performed for a utility line installation at Derby Wharf in 2003 by Hartgen Archeological Associates, Inc. (Hartgen) (Stull 2004). During trenching that was performed as part of Hartgen's testing, a highly compacted gravel deposit was encountered in a trench placed in the former location of the Derby Counting House. The Hartgen archeologists interpreted this feature as representing the subfloor of the structure, and the utility line was subsequently rerouted to avoid impacting the feature. Because the Derby Counting House played an important role in the history of Derby Wharf and the maritime economy of Salem, SAMA wishes to recover more information about the structure to include in interpretative programs at the park. Dr. William Griswold of NRAP conducted a ground-penetrating radar (GPR) survey of the project area (Figure 2, outlined in yellow) in the spring of 2012, and identified an area likely to contain remnants of the Derby Counting House in the southeastern part of the project area (the dashed area in Figure 2). This area was the focus of the archeological excavations discussed in this report. The rest of the project area appeared disturbed by modern activities and was not subjected to archeological investigation.

Scope of Work

The scope of work (SOW) for this project focuses on recovering information from both documentary and archeological sources on the construction and use of the Derby Counting House. Research on the counting house was to take place at Massachusetts repositories. The archeological investigation required the excavation of 10 one-meter-square test units at locations determined in consultation with William Griswold of NRAP, who performed a

ground-penetrating radar (GPR) survey of the Derby Counting House location in spring of 2012. Test unit locations were focused on uncovering evidence for the counting house and the state of archeological deposits in the area of the structure. Soil stratigraphy was documented using the Harris Matrix system. All artifacts and records were to be cataloged using the NRAP Interior Collections Management System (ICMS), and prepared for curation at SAMA according to current NRAP curation protocols.

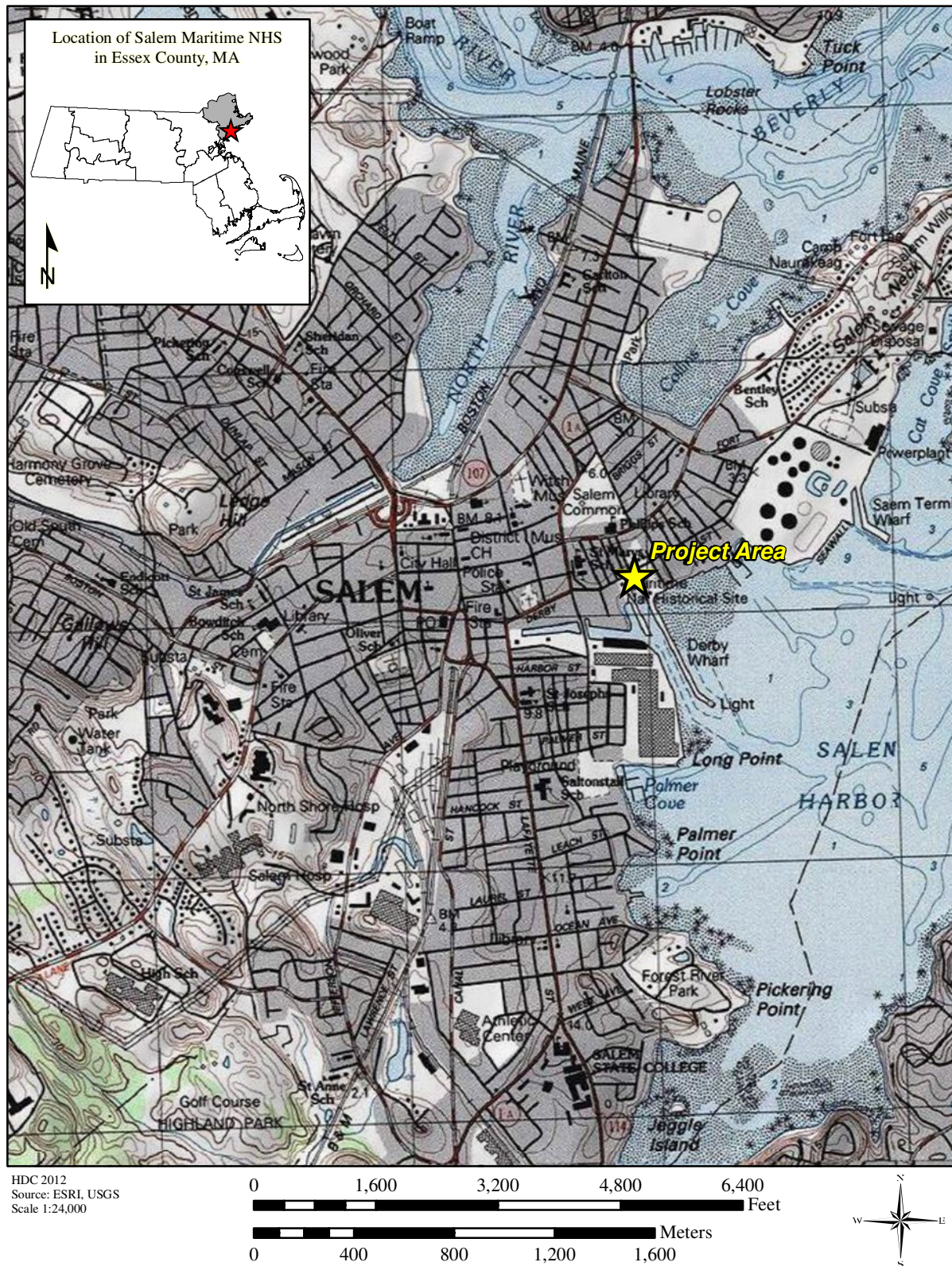


Figure 1. Location of project area in Salem, Massachusetts

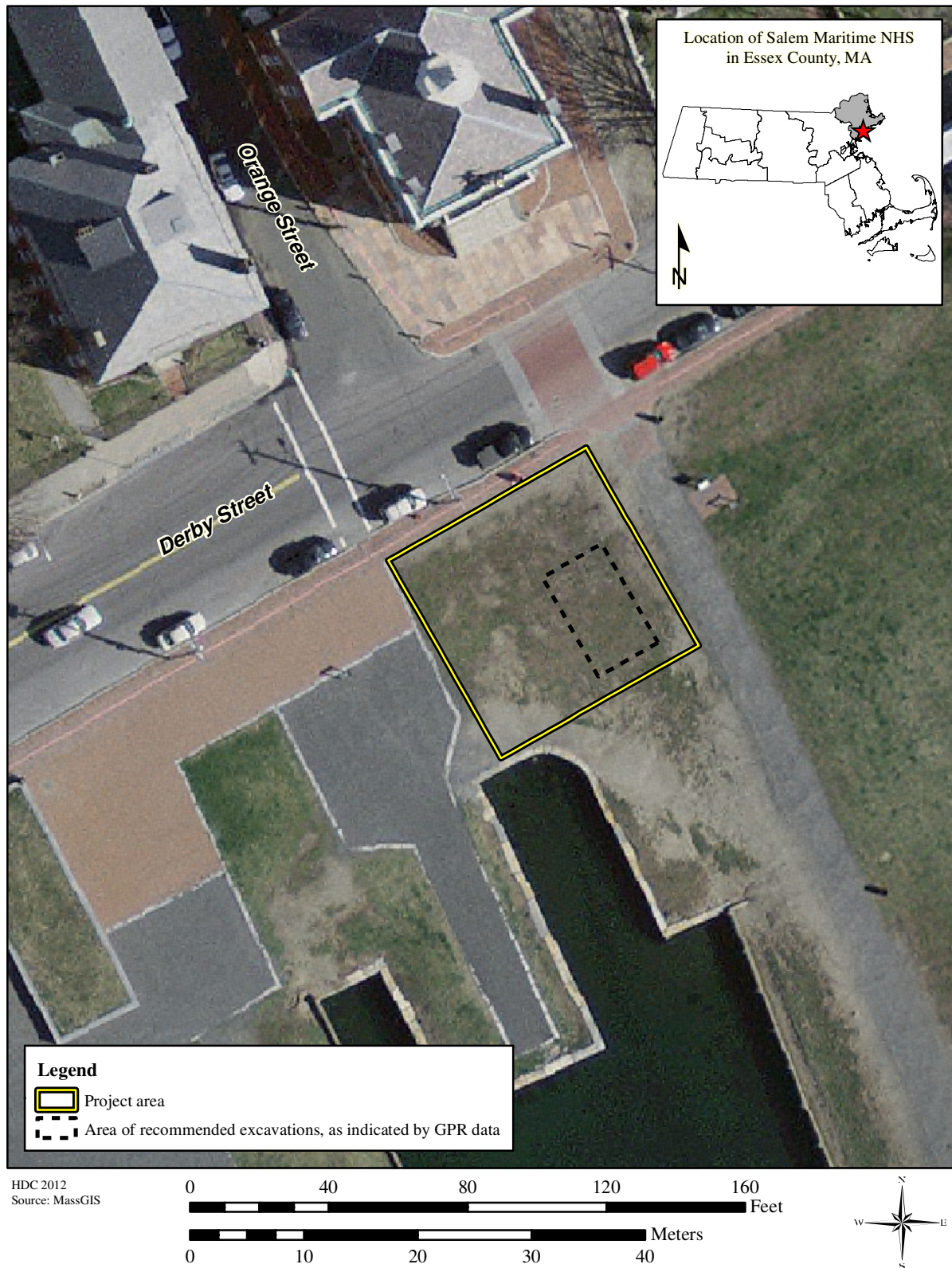


Figure 2. Location of project area and area of archeological excavations

Modification to the Research Design

Due to an unexpectedly thick layer of compacted modern fill containing hundreds of artifacts that caps the historical deposits at the site encountered in the first five hand-excavated units at the site, the research design was modified allowed for mechanical removal of this deposit from the remaining units by backhoe, with no further screening or collection of artifacts from the deposit. A new collection and cataloging strategy was agreed upon by staff members at NRAP, SAMA, and archeologists at HDC: fill artifacts from Unit 1 were to be fully cataloged as a representative sample, with the fill artifacts from units 2–5 inventoried by material class and then discarded. In this manner, a little over 2,000 artifacts were cataloged and prepared for curation from the excavations.

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OVERVIEW OF THE DERBY COUNTING HOUSE LOCATION

Environmental Overview

Salem is within the New England Seaboard Lowland physiographic region, characterized as a “smooth coastal strip of land with some hills usually below the 400 and 500-foot contours” (MHC 1985: 1). Bedrock consists of basalt and gabbro-diorites (Stull 2004: 1). Soils in the Town of Salem originated as glacial till, and have been heavily altered in most places through urban development. While the soil in the project area is in a large section classified as Urban Land, Stull noted that “previous studies have indicated that the soils are mainly sand from glacial and tidal processes” (2004: 1). The irregular coastline of Salem provides for numerous locations for harbors, with Salem Harbor being the major harbor for the community. Several islands and necks of land are also important coastal landforms that affected the development of the town. The two main sources of landscape modification in Salem are the development of the urban environment and the effect of tides and storms from the ocean. The current condition of the project area at SAMA is that of an open park space, with grassy lawn covering much of the project area. A small section of tidal deposited material is present on the surface at the edge of the stone-lined wharf.

Historical Overview of Salem

Prior to European settlement, the Naumkeag people inhabited the Salem area. The Naumkeag people are associated with the larger Pawtucket group of Native Americans. Naumkeag settlement locations are thought to be located along the mouths of the rivers emptying into Salem Harbor, including North River, South River, and Forest River (MHC 1985: 2).

The first European settlers, led by Roger Conant, came to the Salem area from Cape Ann and began developing the peninsula formed by the North and South rivers. These first settlers are often referred to as the “Old Planters” (MHC 1984:2), and were soon joined by other settlers, moving up the North River and erecting house lots up to two acres in size. In 1629, the first church was built, and a custom house was constructed in 1645. Salem became an official port of entry for the Massachusetts Colony in 1658 (MHC 1985:3). The development of the town in the Plantation period was focused on the waterfront, with small farms appearing on the outskirts of town. Spurred by economic prosperity, landfilling activity along the waterfronts expanded the usable land available for development in Salem’s core. Bridges and roads were constructed and improved, and numerous wharfs and ship-building berths sprang up along the waterfront, accompanied by large warehouses.

The main economic drivers of Plantation and Colonial-period Salem were maritime industries, including fishing, ship-building, and trade. Salem developed through the seventeenth and eighteenth centuries into a major center of foreign trade, especially in the latter half of the eighteenth century with the rise of Elias Hasket Derby’s commercial empire. Elias Hasket Derby was the second son of Richard Derby and his first wife, Mary Hodges.

Unlike his brothers, who became sea captains, Elias Hasket Derby joined his father in the mercantile business, doing the bookkeeping, business correspondence, and accounting. Derby inherited one of the main wharfs in Salem from his father, Richard Derby, and commenced to develop a wide-ranging international trade centered on Salem, extending to ports in Africa, Asia, South America, Europe, and the East and West Indies (MHC 1985:3). Derby owned a number of ships by 1775 and was already a wealthy man. During the American Revolution, trade came to a halt, although Salem remained a very active wartime port: 158 privateers operated out of Salem, and Elias Hasket Derby held ownership of over 85 of these vessels, either wholly owned or in part. Derby helped fund the American Revolution, and also advanced credit and gave supplies to the effort, but did not seek to assume a more active role in the conflict. Derby began arming his vessels after the British captured three of his seven ships (Snell 1974b: 2). In 1783, as the war concluded, Derby owned seven large armed ships and brigs, replacing his smaller sloops and schooners in his merchant fleet from before the war. Derby's two largest and fastest ships, the *Grand Turk* and the *Astrea*, were among the privateers that set sail from Derby Wharf.

Postwar trade was hampered by protectionist policies of the governments of Great Britain, France, Spain, Portugal, and the Netherlands, so American merchants were forced to seek new ports and opportunities for trade. Derby was a pioneer of such activities. Derby's vessel *Light Horse* was the first American ship to enter the Baltic Sea and open trade with Russia, and his ship the *Grand Turk* was the first to voyage to Mauritius in the Indian Ocean. Other new ports of trade were soon established by American vessels, many of them owned by Derby. American maritime trade prospered greatly during this time, aided by the effects of the Napoleonic Wars on Europe. The great European powers saw their merchant marines decimated by the wars, and the neutral United States stepped in to fill the trading gap between nations such as Great Britain and Spain and their dependencies and colonies around the world.

Derby's fleet made 43 voyages to and from the West Indies and South America between 1785 and 1799. They shipped out with cargoes of pork, bacon, beef, beans, cod, wheat, flour, biscuits, peas, maize, horses, and lumber; and returned with coin, gin, rum, cotton, wool, salt, coffee, cocoa, sugar, molasses, indigo, fustic, dyewoods, and bills of exchange (Snell 1974b:15). Southern Europe saw 31 voyages in the post-war period, and French, Spanish, Portuguese, and Italian ports were visited. Derby brought lumber and fish in exchange for coin, raisins, salt, wine, soap, and fancy apparel. Four trading trips were made to Canton, setting out with alcohol, iron and candles, and acquiring porcelain, cassia, and tea. Perhaps Derby's most profitable trade was with Mauritius (known then as Isle of France), a small island east of Madagascar. Derby exchanged farm products for spices, tea, coffee, sugar, and cotton.

The period of Salem's maritime prosperity ended with the Embargo Act of 1807, which had a chilling effect on trade, and was further diminished by the War of 1812, which halted all commercial navigation out of Salem. After the war, Salem was never able to regain its place of prominence as a port of trade, even after international trade resumed. Merchants and manufacturers began moving to larger port cities, such as William Gray, whose departure to Boston in 1809 resulted in a reduction of Salem's foreign trading fleet by one-quarter (MHC 1985: 21).

To fill the economic gap left by the decline of Salem as a major American center for international commerce, Salem turned to various new endeavors in the Early Industrial period in the first half of the nineteenth century, including lead production, textiles production, leather goods manufacturing, and tanning. In 1836, Salem was incorporated as a city. While no longer the prime contributor to the economy, foreign trade and fishing were still important to Salem.

By the Late Industrial period, the maritime trade and related industries were overshadowed by manufacturing as the economic foundation of Salem (MHC 1985:4). However, Salem's wharves were still busy, as maritime shipping had switched focus from foreign trade to domestic coastal trade, with a focus on raw materials, fuel, and finished products; although by the end of the period, coal was the only product shipped into Salem. The shoe manufacturing industry rose to prominence in Salem's economy during this time period, with over 20 different factories employing at least 500 people (MHC 1985: 27).

The end of the Late Industrial period and beginning of the Early Modern period in Salem is marked by the Great Fire of 1914, which wiped out a large section of Salem, with nearly 2,000 buildings destroyed in the conflagration. The fire destroyed several of Salem's shoe and leather factories, and many firms who lost buildings in the fire chose to relocate rather than rebuild. This period marked the beginning of the manufacturing exodus from Salem, as many other leather manufacturers and other industries began to leave Salem for other, more profitable locations. The fire allowed for extensive redevelopment of the burned area, with streets widened, new trees planted, and new parks laid out.

By the 1960s, Salem's economy was struggling to find a new focus, as manufacturing was no longer a major employer. Revitalization efforts began in the 1970s, focusing on Salem's historical heritage as a draw for tourists and associated businesses. Several local historical districts were established, and over 3,000 buildings are listed on Salem's historic resource inventory (MHC 1985: 4).

The Development of Derby Wharf

Derby Wharf is the centerpiece of SAMA. The timber wharf with stone facing in its current form is about 2,100 feet long. There were 15 warehouses with 35 individual stores on the wharf at its height in 1812. The original 800-foot portion of the wharf was built by Richard Derby and Elias Hasket Derby from 1765 to 1771. The heirs of Elias Hasket Derby erected the 1,200-foot long southern extension from 1806 through 1808.

Derby Wharf was built in what was known as Palfrey's Cove. Originally, the area including the Derby Counting House location was likely exposed at low tide, but underwater at high tides. The original alignment of Derby Street followed the shoreline, but its present location was laid out in 1760, which allowed the development of the waterfront to proceed rapidly (MHC 1985:18). In order to accommodate his expanding need for wharf space to support his growing trading enterprises, Richard Derby acquired lots along Derby Street and began building up the property with fill to support the northern end of a new wharf (Snell 1974a: 36). On September 23, 1762, Richard Derby had 33 loads of rock and 21 loads of mud delivered to his new property by Charles Brown (Snell 1974a:36). By the end of 1771, two warehouses stood on the Derby Wharf, known as the upper store, located at the head of the

wharf (corresponding to the Derby Counting House) and the lower store, at the end of the wharf. As initially constructed, Derby Wharf was solid timber, with no stone facing (Snell 1974a: 38). In 1784, Elias Hasket Derby began a series of improvements to the wharf facilities he inherited from his father Richard, including facing the wharf with stone, and extending the land on the eastern side of the wharf 94 feet into the river to make room for a shipbuilding yard. In 1794, Derby put up two new warehouses, set on pilings on the east side of the wharf, but not actually on the wharf itself. The following year, Derby had a set of three angular vessel berths constructed at the north end of the wharf on the west side, just south of the DCH. The berths were faced with stone for a length of 255 feet (Snell 1974b: 24).

By the time of Derby's death in 1799, the entire eastern side and southern end of the wharf had been faced with stone, along with 251 feet of the western side of the wharf near the shore, and had a total of four warehouses serving it. A 1797 woodcut of Salem Harbor shows the southern end of Derby Wharf, with three of the four warehouses visible (unfortunately excluding the Derby Counting House; Figure 3). In 1805, Gideon Foster produced a plan map of the Derby Wharf as part of dividing the estate of Elias Hasket Derby. This plan map is the only known map that shows the Derby Counting House (Figure 4).

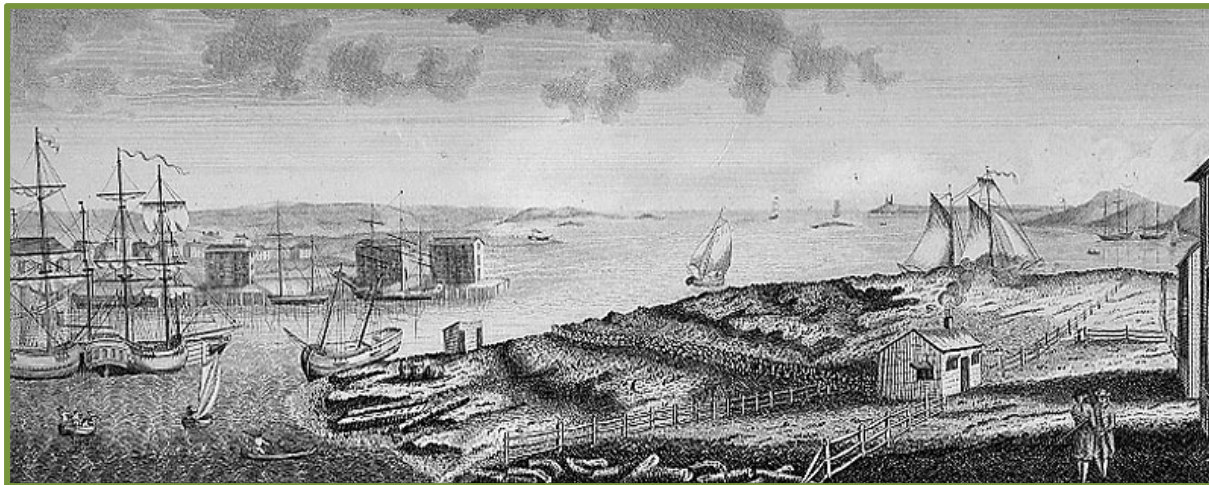


Figure 3. Salem Harbor in 1797.

Source: NPS. Print taken from a certificate of membership in the Salem Marine Society, dated October 26, 1797

The Derby Wharf with three warehouses is visible on the left side of the image. The Derby Counting House is not depicted, but was likely very similar in size and form to the warehouses shown here.

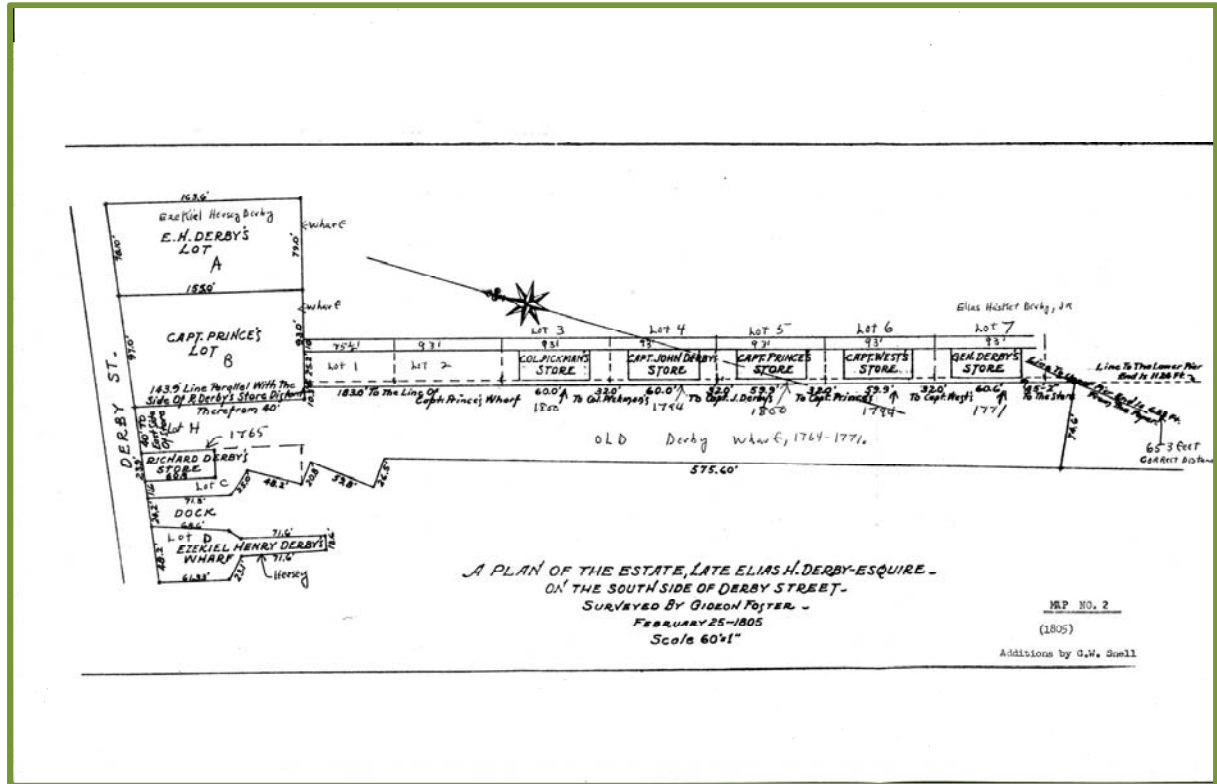


Figure 4. Reproduction of 1805 Foster plan of Derby Wharf

Reproduced from Snell 1974a

This map shows the division of Derby Wharf among the heirs of Elias Hasket Derby. The Derby Counting House is labeled "Richard Derby's Store" and is depicted along Derby Street, north of the dock at Ezekiel Henry Derby's Wharf.

Immediately after Elias Hasket Derby's death, his heirs undertook a series of improvements to the wharf, as stipulated in Derby's will. These improvements included the moving of the old Lower Store eastward onto pilings, to bring it in line with the two newer warehouses, and faced the remainder of the western side of the wharf with stone. In 1806, the heirs of Elias Hasket Derby began a 1,124-foot timber-cobb expansion on the south end of the wharf (Snell 1974a: 56). Finished in 1809, the new extension was subdivided into 13 lots and new warehouses began to appear on the wharf. By 1819, Derby Wharf was home to fifteen separate warehouses, all but one large, three-story frame structures that dominated the waterfront (Snell 1974a:7). This number was reduced to 14 with the removal of the Derby Counting House in 1819 to make room for a staging area for the construction of the new Custom House. Ten years later, a long, one-story warehouse was built on the wharf, once again bringing the number of warehouses to 15 (Snell 1974a: 63). Soon after, nearly all the warehouses standing on pilings along the east side of the wharf were moved directly onto the wharf, likely due to the deterioration of the pilings from wave action and storm damage. In the time period between 1830 and 1870, various repairs and alterations were made to the wharf, and some of the old warehouses were removed. The last new warehouse to be constructed on Derby Wharf was built in 1871 (Snell 1974a: 74; Figure 5, Figure 6, Figure 7).



Figure 5. Derby Wharf, ca. 1879

Courtesy of Peabody Essex Museum

The above image is reproduced from a Charles Porter Brown painting in the collection of the Peabody Essex Museum. It shows from far left to right: 1819 Custom House (across Derby Street from the head of the wharf), three warehouses (a simplification by the artist of the seven warehouses located here, built between 1794 and 1809), an 1809 warehouse, an 1812 warehouse, a small one-storey building built in 1871, a long one-story warehouse built in stages between 1829 and 1858, an 1811 warehouse, the 1812 Derby Wharf Corporation warehouse, and the 1870 lighthouse.

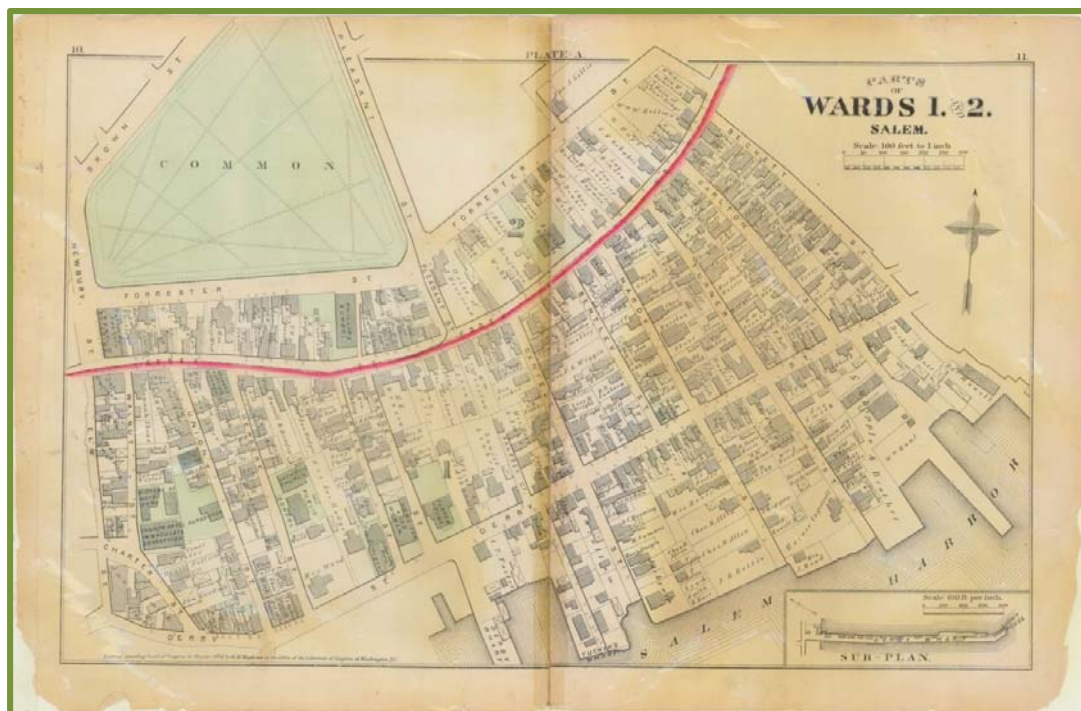


Figure 6. 1874 Atlas of Salem, Plate A

Source: G. M. Hopkins & Company 1874

The head of the Derby Wharf is shown in the lower center of the image, just left of the spine of the book; the inset in the lower right shows the entire wharf, with sixteen different structures.

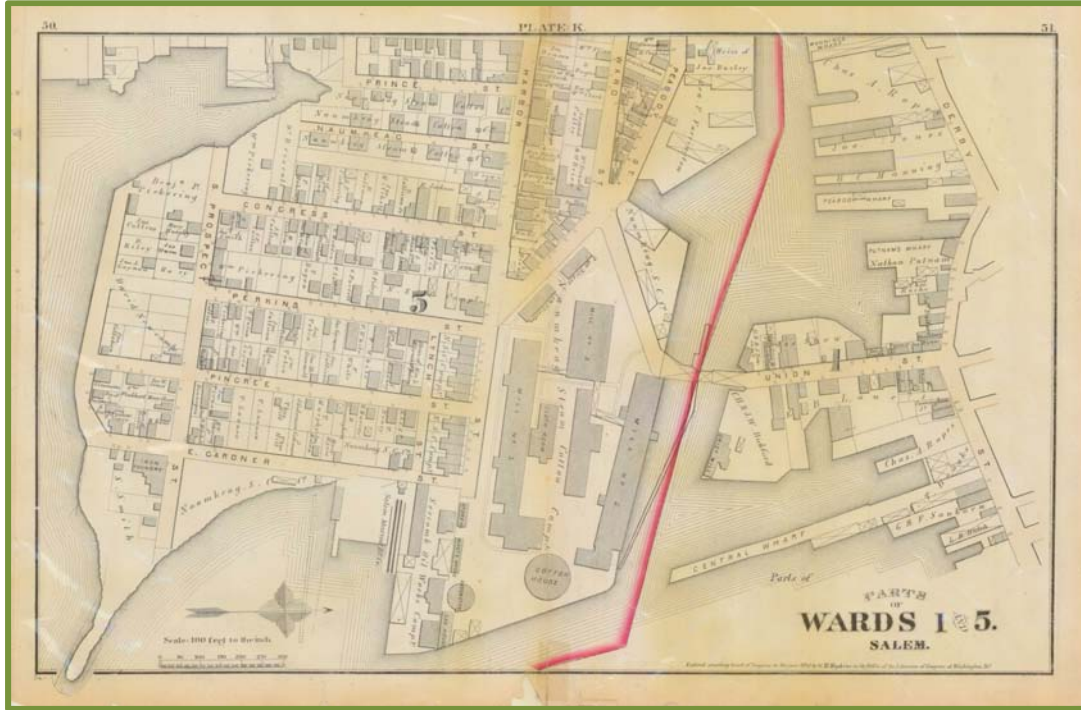


Figure 7. 1874 Atlas of Salem, Plate K

Source: G. M. Hopkins & Company 1874

This plate shows the Salem waterfront west of Derby Wharf on the right-hand page. Very's store is shown directly north of the dock for Hatch's Wharf, while the former location of the Derby Counting House is an empty lot.

Derby Wharf was incorporated by the heirs of Elias Hasket Derby in 1810. John Derby was the first president, and served until his death in 1831. The corporation established various docking and usage fees, and composed a set of rules, among which was a requirement for coal to be the sole fuel used on the dock for heating in the various different counting houses in the warehouses (Snell 1974a: 118). In 1870, the Derby Wharf Corporation sold a small lot at the end of Derby Wharf to the U.S. Government for the construction of a new lighthouse. The corporation existed until 1881, when it defaulted on a loan and was taken into possession of the Salem Five Cents Savings Bank (Snell 1974a: 123). The bank promptly sold the property for \$3,000.00. Soon afterward, the Essex Electric Street Railway Company acquired the wharf and tracks, and a two-story brick powerhouse, and a large car barn were put up on and around the wharf. In 1881, 12 original warehouses were still present on the wharf (Brady and Wilson 1982: 13). Some of these warehouses are visible in a ca. 1885 photograph of Derby Wharf (Figure 8).

Apart from these improvements and a wooden platform built in 1906 by the successor to the Essex Electric Street Railway Company, the wharf and the old warehouses still standing on it were otherwise neglected and gradually fell into a state of decay (Snell 1974a: 76). The 1897 Salem Atlas shows that many of the old warehouses had been removed by the end of the nineteenth century (Figure 9), while the remaining warehouses were mainly used for storing barrels of fish oil (Figure 10). Figure 11 and Figure 12 show the wharf ca. 1910, with four warehouses left standing. By the early 1910s, all of the pre-railway company buildings, with the exception of the 1870 lighthouse, had been removed from the wharf.



Figure 8. Derby Wharf, ca. 1885, facing southwest

Courtesy of Peabody Essex Museum

This image shows five of the early nineteenth century hipped-roof warehouses, which were likely similar in appearance to the Derby Counting House. The location of the Derby Counting House is in the left foreground, approximately where the picket fence is in the photograph.



Figure 9. Detail of 1897 Atlas of Salem, Plate 3, showing Derby Wharf

Source: L. J. Richards & Company 1897

The 1897 atlas shows the developments related to the streetcar companies that owned the wharf after the Derby Warehouse Corporation went bankrupt. Very's store is still present next to the empty lot where the Derby Counting House stood; of interest is a waterline shown running from the intersection of Derby and Orange streets through the empty lot to the wharf.

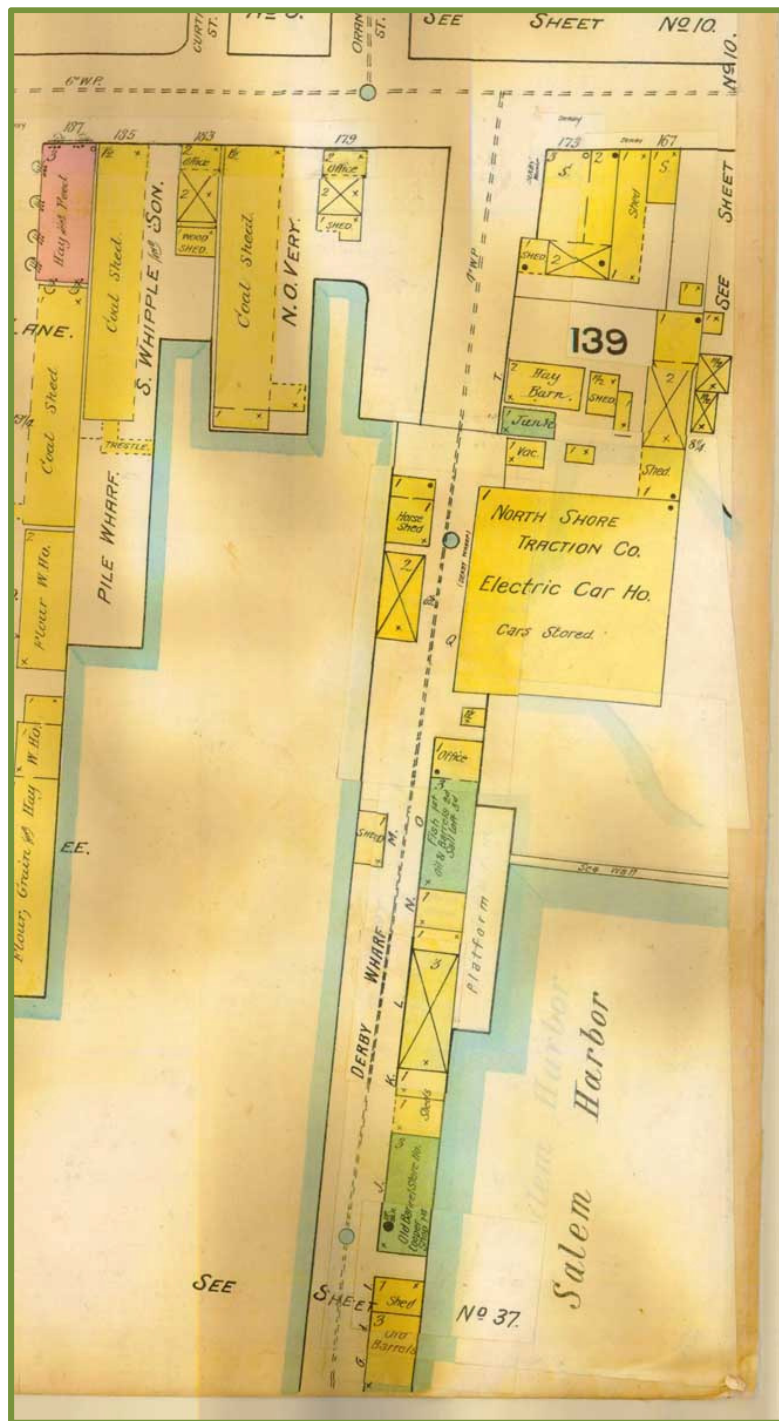


Figure 10. Detail of 1890–1903 Sanborn Fire Insurance Map showing Derby Wharf

Source: Sanborn Map Company 1890–1903

This detail of the 1890/1903 Sanborn map of Salem shows the streetcar company developments, with several old warehouses still present on the wharf. Many of the warehouses were used to hold barrels of fish oil. This map documents that the water line that ran through the former location of the Derby Counting House had been relocated to run straight down the wharf from Derby Street.

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Figure 12. View of Derby Wharf, ca. 1910

Courtesy of Peabody Essex Museum

This photograph shows the Derby Wharf, with a few of the original warehouses still standing. The Derby Counting House location is visible in the right foreground, showing its use as a lumber yard.

By the 1930s, Derby Wharf was in poor shape, with only a few buildings remaining along Derby Street (Figure 13). The stone seawalls were breached in places, allowing wave action to further deteriorate the wharf, as seen in a ca. 1925 photograph of the wharf (Figure 14). Preservation activities focused on the wharf actually began in the 1920s, however. The first attempt to preserve Derby Wharf was in 1927, when the Essex Institute explored purchasing the site for a public park, but balked at the cost of reconstruction, estimated at \$300,000 (Friedlander et al. 1991: 153).



Figure 13. Derby Wharf ca. 1935

Courtesy of SAMA

This photograph, taken from the cupola of the Custom House, shows a barren wharf, with a few buildings left at the head of the wharf, and a park area where the Derby Counting House stood.



Figure 14. Derby Wharf, ca. 1925

Courtesy of Peabody Essex Museum

Only one warehouse was left on the wharf at the time this photograph was taken. Note the damage to the west (right) side of the wharf across from the warehouse, where wave action has breached the stone wall.

The wharf appeared doomed until 1935, when local citizen Harlan B. Kelsey, interested in preserving the wharf, began to raise the possibility that Derby Wharf might be developed through funding under the Historic Sites Act of 1935. Ultimately, Kelsey's efforts were the spark that led to the acquisition of the wharf property in 1936 by the U. S. Government and the development of the property into the National Park Service's first National Historic Site on March 17, 1938 (Garman et al. 1998: 14). In 1938, the Works Progress Administration (WPA) began work on restoration of the wharf. Restoration activities at the new park focused on preserving buildings that were thought to best represent the period of significance and reconstruction of the dilapidated Derby Wharf. All commercial and domestic structures along the wharf and in the general vicinity that were on land acquired by the U.S. Government were demolished (Figure 15, Figure 16), and cellar holes were filled. The seawall underwent a massive rehabilitation effort, with 268 feet on the eastern side rebuilt, and two smaller sections of the western side reconstructed as well (Figure 17). Renovation activities in the newly-acquired park property included filling and grading of the land (Brady and Wilson 1982: 14; quoting from Public Works Project Proposal, F. P. 706, 1938, Salem Maritime National Historic Site). Friedlander et al. notes that the rear yard areas of buildings north of Derby Street were also graded and the spoil material used as fill for the wharf reconstruction (1991: 157).

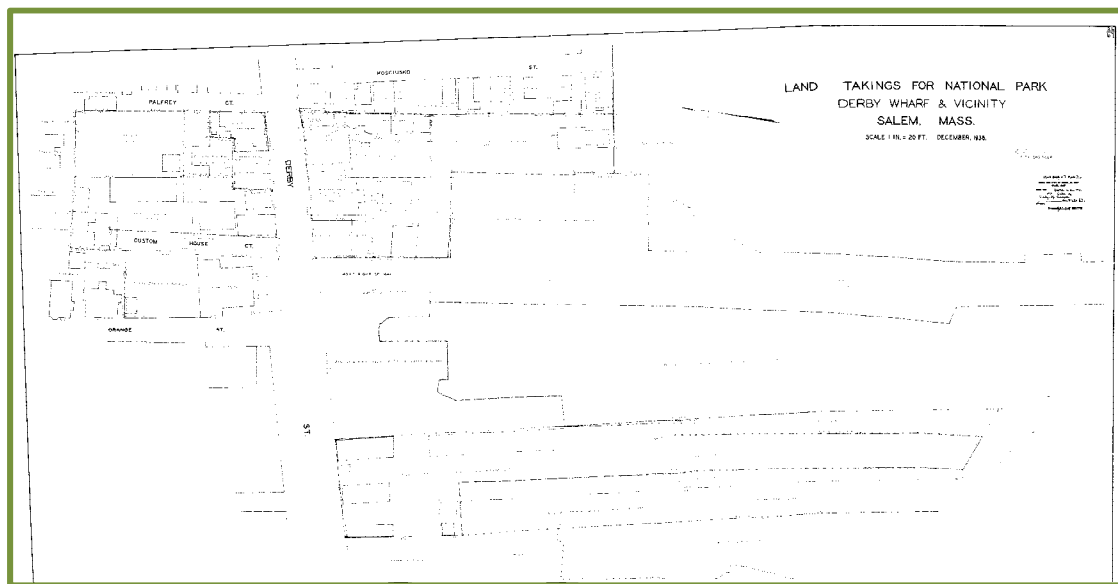


Figure 15. Land takings for Salem National Historic Site, 1936

Source: Essex County Registry of Deeds



Figure 16. 1938 Sanborn Map showing Derby Wharf

Source: Sanborn Map Company 1938



Figure 17. Derby Wharf renovations in 1938

Courtesy of SAMA

This photograph demonstrates the massive amount of earthmoving and general soil disturbance associated with the 1938 wharf renovations.

High tides overtopping the wharf altered the surface into uneven drifts, which required regrading and filling on an annual basis (Brady and Wilson 1982: 15; Figure 18). The NPS continued to improve the site, with a grass seeding program in 1947 to address erosion, a stone-dust walk installed in 1961 (Figure 19), and light stanchions placed along the wharf in 1968 (since removed). The NPS also had to counter the effects of wharf rats, which would “burrow just under the surface of the wharf, and cause potholes when the fill collapses” (Brady and Wilson 1982: 34).



Figure 18. High tide event at Derby Wharf, showing inundation of Derby Counting House location, ca. 1940
 Courtesy of SAMA



Figure 19. Derby Wharf ca. 1961

Courtesy of SAMA

Note the tree has been removed and there is a small post to the left of the stump. The stump may be near the southeast corner of the Derby Counting House footprint.

History of the Derby Counting House

The Derby Counting House stood on what Snell designated as Lot C in his 1974 report; for convenience and consistency, Snell's lot labels will be used in this report. Lot C was acquired in 1762 by Richard Derby as a piece of "Beach Land and Flatts" (Snell 1974a:9). Lot C was 88 feet square. Lot C was purchased at the same time as Lot B, which was a 100 square foot lot on its east side. Both lots were purchased for five shillings from Margaret Silsbee and Mary Renew by Richard Derby.

By December of 1765, the Derby Counting House (also referred to as the "Upper Store" in historical documents) was standing at the north end of the wharf, and was the first warehouse built to serve the wharf. No known images exist of the building. Snell states that the counting house was 60 feet nine inches long by 23 feet nine inches wide, and was a three-story frame building (1974a:39). A chimney was added in 1784, along with a hearth, and the interior was covered with lath and plaster (Snell 1974a: 40). The type of roof is unknown, but may have been hipped, similar to the other early warehouses on the wharf of which pictorial evidence actually exists. Diarist William Bentley noted that the counting house was "glazed" in 1789, which refers to the installation of glass windows (Bentley 1905: 126). In 1791, an attempted break-in at the Derby Counting House was thwarted, and was recorded by Bentley. His diary entry gives some details about the Derby Counting House that are not recorded elsewhere:

Last night an attempt was made to break open the Stores of M. W. Gray, & E. H. Derby. The attempt was first made on the former without success. At the last, entry was made by the western door, by forcibly breaking the bolt from the lock.

They then went up stairs, & had taken a pane of glass from the counting house door, when the light they had was espied by a guard, placed by M. Derby, who had walked to the lower store on the head of the wharf. He arrived while they were at the door, & struck one of them cutting the band & rim of his hat, which was left behind. They both escaped without detection. This is an instance of a guard placed with success, as such instances are supposed to be rare (Bentley 1905: 258).

This entry documents a number of features about the Derby Counting House building:

- the "Counting House" was in a room on an upper floor;
- the door to the Counting House room featured a window;
- and, the Counting House building had at least two exterior doors, one being on the western side.

Furthermore, we can probably assume that the hearth and chimney added in 1784 were placed to serve the counting house room.

The contents of Derby's six warehouses were cataloged upon his death in September of 1799, and again the following month. The Derby Counting House was listed as containing the following:

- September: 12 bales of cotton, 11 pipes of red wine, 92 pipes of brandy, tanned hides, tons of hemp, 3 casks of cannon balls, one-half a barrel of cannon balls, part of a barrel of cannon balls, 7 casks of canister shot, different lots of raw hides, 10 bags of corks, and 1 bale of wick yarn (from a document called "Memo of Goods in the

Stores, Sept. 1799”, located in Derby Family Manuscripts, XXXII, 44, on file at Essex Institute; quoted in Snell 1974b:37).

- October 20, 1799: 7 bales of cotton cloths from Calcutta; 10 pipes of brandy from Alicante, Spain; tanned hides from Manila; raw hides from Mauritius; the ammunition and hemp from the September enumeration, listed from London; the 10 bags of corks from September, from France; and 1 bale of wick yarn and 2 rolls of sheet lead from Calcutta (from a document called “Memo of Goods on Hande, Octr. 20th, 1799” located in Derby Family Manuscripts, XXXII, 45, on file at Essex Institute; quoted in Snell 1974b:37).
- Document listing location and appraised value of goods in the upper store, October 1799:
 - Upper (third) floor: a lot of junk, north end (\$40); new cordage(\$12), one cable (\$30).
 - Second floor: 3 lanterns (\$1.50), 1 jug (\$.50), tanned and untanned hides (\$200), 1 cask of bread (\$12), 1 iron chain (\$10), 1 medicine chest (\$2), 2 empty chests (\$2), 1 copper scale (\$1).
 - Counting room (second floor): 10 bags of corks (\$100), 1 bale of wick yarn (\$5), tanned hides (\$50), 1 bag of shells (\$4), 1 bag of ginger root (\$1), 1 barrel of bread (\$3), partly full bag of coffee (\$2.50).
 - Lower (first) floor: 6 casks and part of 1 cask, canister shot (\$300), 2 rolls of sheet lead (\$64), 3 casks and 1 box Iron shot (\$180), 1 bar of steel (\$2), 1 pump brake (\$1). A two-masted boat anchored along the wharf at the store was included, valued at \$80.
 - Total appraised value of goods was \$1,103.50 (from a document titled “Inventory of the Real & Personal Estate of which Elias Hasket Derby, Esquire, Died, Seized, and Possessed, Oct. 1779” located in Derby Family Papers, Box 4, Folder 2, on file at Essex Institute; quoted in Snell 1974b:38).

The documents Snell consulted, which listed the warehouse contents, revealed that there was a counting room in the New Store, as well as in the Derby Counting House. The October 1799 appraisal included furniture in the New Store Counting House, including a desk and chairs; no furniture was noted in the Derby Counting House. It may be that accounting activities had moved to the New Store from the Derby Counting House at this time.

Elias Hasket Derby inherited Lot C, along with the rest of Derby Wharf upon Richard Derby’s death in 1783. By 1799, Lot C was reduced in size to 51 feet along Derby Street, and 136 feet 9 inches long. Lot C was known as the Counting House Lot (Snell 1974a: 11). In Elias Hasket Derby’s will, he left the Counting House Lot to his son Richard C. Derby. To allow for an equitable division of property as specified in Elias Hasket Derby’s will, Richard C. Derby reduced the size of the Counting House lot to 75 feet and six inches long. In 1812, a new numbering system was established for the warehouses on Derby Wharf, and the Derby Counting House was assigned store numbers 1 and 2, indicating two separate warehouse operations in the building.

In early 1819, the counting house was removed from Lot C, according to an agreement between John Derby and Isaac Cushing, Jr. (Snell 1974a: 63). The reason for the removal of the old counting house was to provide a staging area for the construction of the new Custom House across the street; the 1818 plan of lots considered for the custom house notes that the counting house was to be removed if the lot across the street was selected for the new Custom House, which was the actual result of consideration. Fifteen wagonloads of gravel were placed as fill on Lot C to bring up the lot to grade with the rest of the wharf (Snell 1974a: 64). The exact text of the agreement reads:

I have this day agreed with Mr. John Derby to takedown his Store at the North end of Derby Wharf and remove all the materials, begin the work before the middle of March & finish all by the 10th of April next, and to fill up under it with mud, & gravel, to have it when settled, as high as the Land now is East of Said Store. I am also to place at my Expence one large Stone Post similar to one corner of Daniels Street on North east corner of said Lot--also large wood Posts & joist railing from said Stone East and West & North & South as far on said Derbys lot as he chooses--also put on his land West of said Store 15 loads of Gravel, if so many should be required to make it as high as the other part. For doing which I am to have the Rocks & Store for my trouble. (Contract, Hatch's Wharf File; quoted in Snell 1974: 79)

The original store location was marked by stones to assist in determining property lines, and their locations were described in a deed as follows:

As the custom house is now erected and the store removed, said Derby deemed it important to the bounds of his and others adjoining . . . to mark the original location of the corners of the store--he has placed two stones about one foot square and three feet long with a cross upon the top six inches under ground upon the northeast and southeast corners of said store lot. The subscribers said they are correctly placed at the exact corners, viz, the north stone being 83 feet 10 inches from the southwest corner of the custom house on a course of South 29 degrees East, also 89 feet 10 inches from the southeast corner of said custom house on a course of South 3 degrees west to a point where these lines intersect each other. The South stone is from the other 60 feet 6 inches on a course of South 17 degrees East . . . (Essex Registry of Deeds Deed Book 478, p. 93, quoted in Snell 1974: 80).

Snell also states that "Lot C was kept clear of all buildings from 1819 to 1936, and was utilized from 1819 to 1906 as a storage area on the wharf where wood was stacked in great piles" (1974a: 80). This use of Lot C is supported by drawings and photographs that show stacks of wood on the former location of the Derby Counting House (Figure 20, Figure 21, Figure 22, Figure 23). Hatch's store was originally owned by N. O. Very.

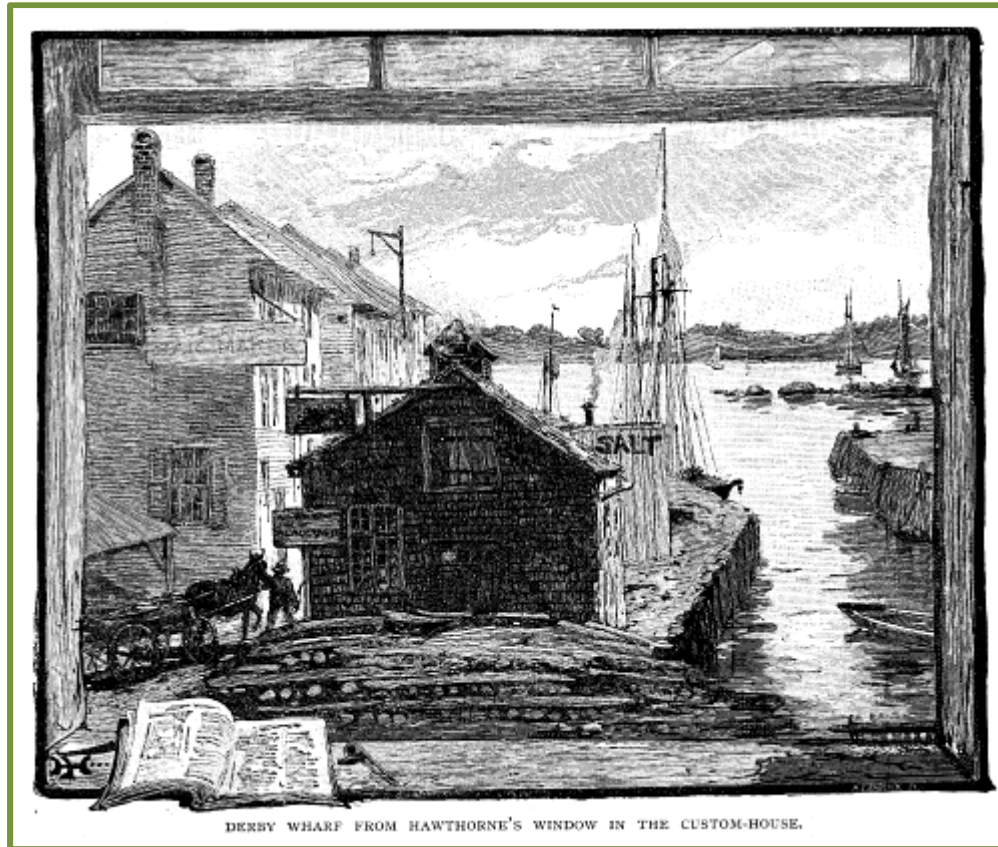


Figure 20. View of the Derby Wharf from the Custom House, 1884

Source: Hawthorne 1884:15

This view, which appeared in the publication The Century in 1884, shows the view out of the office of Nathaniel Hawthorne in the 1819 Custom House, overlooking Derby Wharf. The former location of the Derby Counting House is covered by the stacks of logs in the foreground.



Figure 21. Hatch's store, ca. 1880.

Courtesy of Peabody Essex Museum

This photograph shows Hatch's store, built after the Derby Counting House was removed from the lot to the left of the store. Large stacks of wood demonstrate the primary use of the Derby Counting House Lot for the majority of the nineteenth century.



Figure 22. The schooner Edith T. Gandy docked at Derby Wharf, ca. 1890

Courtesy of Peabody Essex Museum

The photograph shows lumber stacked on the lot where the Derby Counting House was located, and also shows how heavily developed the end of Derby Wharf was at the end of the nineteenth century.



Figure 23. View of Derby Wharf from the Custom House, 1910

Courtesy of Peabody Essex Museum

This photograph shows Derby Wharf in 1910, and was taken by the Salem artist Philip Little (1857–1942). The edge of Hatch's store is visible along the right edge of the photograph. The perspective indicates that the photograph was taken from the same window as the 1884 etching, and shows the same use of the Derby Counting House lot: wood storage. Further down the wharf, the streetcar company car barn is visible, with older warehouses beyond it.

Before the acquisition of the Derby Counting House location as part of Salem Maritime National Historic Site, the lot was a grassy field with a single tree standing near the intersection of Derby Street with the drive leading out onto the wharf (Figure 24). The lot at this time was owned by the Association for the Relief of Aged and Destitute Women, who apparently used it as a park for the residents of the Women's Home across Derby Street from the lot. Photographs showing the Derby Counting House location during the renovation efforts show that the north end of the lot next to the street was used as a stone-dressing station, with a small shack erected for shelter (Figure 25, Figure 26). The tree on the location was removed sometime after the reconstruction was finished, and was gone by the 1960s. A

1976 plan of the wharf reproduced in Brady and Wilson's Historic Structure Report (1982: Drawing 7) shows four granite monuments, a sign, and a meter box on the lot (Figure 27).



Figure 24. View down Derby Wharf, ca. 1930s

Courtesy of SAMA

The Derby Counting House location is within the fenced area with the tree, in use at the time as a small park for the residents of the Aged Women's Home across Derby Street. The surface of the lot appears level with the top of the stone wharf edges, whereas today the surface has been raised through filling.



Figure 25. Overview of Derby Counting House location during 1938 wharf rehabilitation

Courtesy of SAMA

This photograph, showing Hatch's Wharf in the foreground, demonstrates the use of the Derby Counting House location as a work space during the wharf rehabilitation, with a stone dressing hut and various smaller sheds on top of the former building footprint.



Figure 26. Stone dressing shed at Derby Wharf, 1938

Courtesy of SAMA

The stone dressing shed was located approximately at the northeast corner of the former Derby Counting House building footprint.

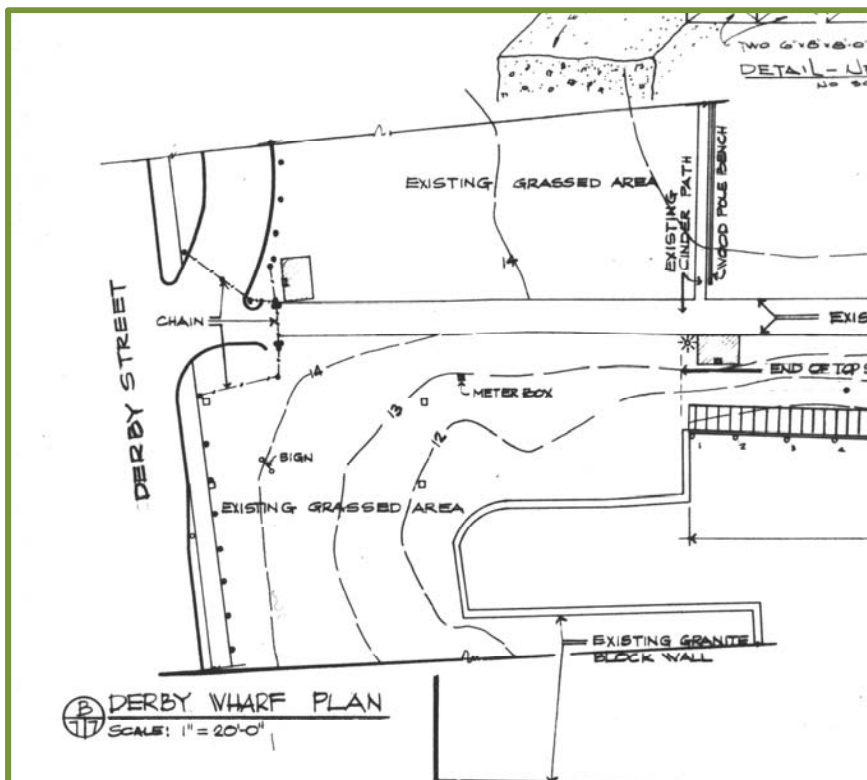


Figure 27. Detail of a 1976 plan of the Derby Wharf, showing Derby Counting House area

Modified from Drawing 7 in Brady and Wilson 1982

Several features are shown on this map that no longer exist at the Derby Counting House location, include four granite markers (the four small squares) that appear to approximate the corners of the Derby Counting House, an electrical meter box, a sign, and a fence along Derby Street.

Chain of Title for Lot C

The land for the Derby Counting House was purchased by Richard Derby from Margaret Silsbee and Mary Renew for five shillings in 1762. The lot ownership passed to Elias Haskett Derby and then to Richard C. Derby through inheritance. In 1806, Richard C. Derby sold Lot C and the structure on it to John Derby for \$3,900 (Snell 1974a: 14). John Derby owned the lot from 1806 to 1853. The warehouse which was removed in 1819 contained Stores no. 1 and 2, from 1809 to 1819 (Snell 1974a:19). In 1853, this lot, noted as vacant, was bought by the lumber merchants Lemuel B. Hatch and Daniel P. Fitz. In 1859, Hatch bought out Fitz for \$1,000.00. Nathaniel O. Very bought the lot, along with Lots B and D, for \$3,200. The Association for the Relief of Aged and Destitute Women acquired Lots C and D in 1906, and this organization owned Lot C until it was transferred to the U.S. Government in 1936.

RESEARCH DESIGN AND METHODS

Previous Cultural Resources Investigations

No previous cultural resources investigations have specifically focused on the Derby Counting House. However, the building has been researched as part of the Derby Wharf complex. Previous research and fieldwork on the Derby Wharf has included:

- Snell 1974a: *Historic Structure Report: Derby Wharf and Warehouses Together with Data on the Physical History of the Ezekiel Hersey Derby and John Prince Wharf Lots, Lots A and B, Historical Data, Salem Maritime National Historic Site, Massachusetts*
- Snell 1974b: *Historic Structure Report: Ingersoll/Forrester/Central Wharf Together with Data on the Physical History of the Flanking Derby/Hatch/Very Wharf, the White/Sanborn/Whipple Wharf, and the Derby/Ward/Smith Wharf, Located on Lots D, E, F, and G of the Salem Waterfront, Historical Data, Salem Maritime National Historic Site, Massachusetts*
- Brady and Wilson 1982: *Historic Structure Report, Derby Wharf, Architectural Data, Salem Maritime National Historic Site*
- Bevan 1990: *A Geophysical Survey at the Salem Maritime National Historic Site*
- Friedlander 1991: *Salem Maritime Historic Site: Historical Research, 1626–1990*
- Hart 1991: *Salem Maritime Historic Site Derby Wharf Examination*
- Alterman et al. 1995: *Terrestrial and Marine Archeological Remote Sensing and Archeological Monitoring, Salem Maritime National Historic Site*
- Garman et al. 1998: *Archaeological Investigations at Derby and Central Wharves, Salem Maritime National Historic Site, Salem, Massachusetts*
- Stull 2004: *Phase IB Archeological Reconnaissance Report, Derby Wharf Utility Corridor, Salem Maritime National Historic Site, City of Salem Essex County, Massachusetts*
- Griswold 2012: *SAMA GPR Management Summary Draft (unpublished)*

As the above list demonstrates, the bulk of cultural resources management work has been focused on historical structures. Five archeological projects have recently been conducted at the park, however (Bevan 1990, Alterman et al. 1995, Garman et al. 1998, Stull 2004, and Griswold 2012). In 1990, Bruce Bevan conducted a geophysical survey of park property, using resistivity, conductivity, magnetometry, and ground-penetrating radar (GPR). The wharf area was tested with resistivity, conductivity, and magnetometry, while the historic building yards were tested with GPR. In the current project area, the magnetometer did not detect any large concentrations of magnetic material. Bevan also recorded low conductivity values in the current project area, indicating a sand or gravel fill and little to no clay or

saltwater saturation; Bevan felt the results indicated this type of soil extended at least nine feet below the surface in this location (Bevan 1990: 6). Bevan stated that the results of the geophysical testing revealed little evidence for the buildings that were located here (Bevan 1990: 1). Bevan also made note that when the NPS acquired the site in the 1930s, extensive landscaping was performed, “with both removal of soil from the surface and also replacement of fill soil” (Bevan 1990: 2).

In 1995, the Cultural Resources Group of Louis Berger & Associates conducted remote sensing and archeological monitoring at SAMA. No anomalies were identified during the marine remote sensing, but several anomalies were noted in areas north and south of Derby Street on park property. Alterman et al. interpreted the anomalies south of Derby as related to landfilling events, while testing north of Derby Street could not conclusively identify the nature of remote sensing anomalies in that location (1995: 57). The 1998 work was performed by a group from the University of Massachusetts-Amherst, and consisted of trenching along the lengths of Derby and Central Wharfs, to find and document remnants of the original timber wharf. The work was successful, and in addition to documenting elements of timber construction, the archeology team also found a granite foundation wall associated with John Prince’s 1805 warehouse (Garman et al. 1998). The 2004 fieldwork was conducted by Hartgen & Associates in connection with a utility line installation on Derby Wharf. Mechanical trenching took place on the wharf and also at the former location of the Derby Counting House. One trench (Trench 31) uncovered a compacted cobble surface in the suspected building location, which Stull (2004) interpreted as the Counting House subfloor. A similar subfloor was documented on Derby Wharf by Garman et al. (1998: 27) at the location of John Prince’s warehouse.

Most recently, Dr. William Griswold conducted a GPR survey of the Derby Counting House location in the spring of 2012. His unpublished draft management summary was supplied to HDC for guiding the placement of test units at the location. Griswold’s GPR results indicated a high level of disturbance across much of the survey location, and that the location of the southeast corner of the former building footprint held the greatest potential for encountering remnants of the Derby Counting House. A reproduction of Griswold’s GPR results map is shown in Figure 28.

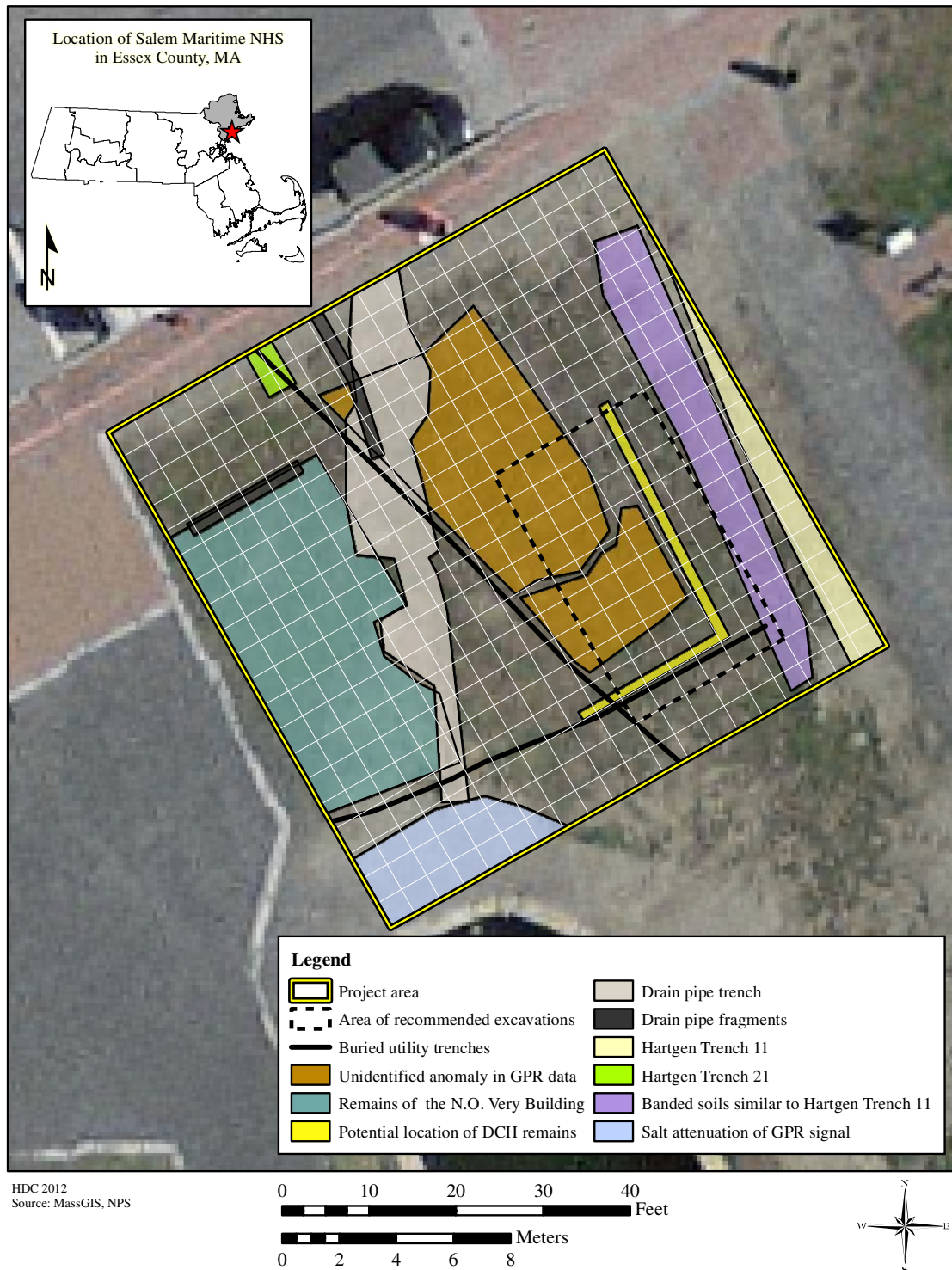


Figure 28. Results of 2012 ground-penetrating radar survey at Derby Counting House location

Adapted from a draft map produced by Dr. William Griswold

Note that Hartgen Trench 31, which first identified the cobble subfloor, could not be identified in the GPR results. Its approximate location is likely at the northern end of the potential Derby Counting House remains on the map.

Research Design

The scope of services prepared by the NPS for this project dictated a thorough historical investigation of the Derby Counting House, focused on its construction, appearance, function, destruction/removal, and taphonomic changes to the location; and an archeological investigation using 10 one-meter-square test units to expose and document potential remnants of the building at SAMA. The location of the units was to be determined after analysis of the results of a GPR survey of the former Counting House lot in the spring of 2012, with units placed to expose potential structural features. The soil deposits in the Counting House location were to be recorded using the Harris Matrix system. The goal of the research and excavation efforts was to obtain detailed information on the Derby Counting House, which to date has not been the primary focus of a concentrated research program. This information is important to the NPS for use in site planning at SAMA. At the time of this report, no reconstruction of the structure is contemplated.

Methods

Research

Research into the history of the Derby Counting House was planned to focus on the holdings at the Peabody Essex Museum archives. Preliminary research into repositories holding data on the Derby family and the Derby Wharf indicated that nearly all primary documents germane to this study are in the Peabody Essex Museum holdings. However, a major renovation to the museum complex coincided with the contract period of service, and the holdings were not accessible. In light of this research setback, the HDC principal investigator consulted with SAMA park historian Dr. Emily Murphy on a revised research strategy. Review of documents such as the 1974 Historic Structures Report for Derby Wharf (Snell 1974a) and the 1998 wharf excavations (Garman et al. 1998) indicated that consultation of primary documents outside of the Peabody Essex Museum archives would have a very low chance of yielding new, significant information. In particular, Snell's work (1974a and 1974b) is so thorough and complete, the principal investigator proposed to NPS to limit research to documents on hand at SAMA, so as not to needlessly duplicate the work of previous researchers.

Fieldwork

Fieldwork methods at the Derby Counting House site followed those proscribed in the scope of services. All test units were one meter square. The excavation units placed at the site were placed on geophysical anomalies indicated by the GPR results, using the 20-meter-square grid established in early 2012 for the GPR survey (Figure 29). This survey grid was re-established by locating the nails placed for the GPR survey and laying out long tape measures to confirm the 20-meter interval. The first five excavation units were excavated completely by hand, with all soil screened. Due to an unexpectedly thick layer of compacted modern fill containing hundreds of artifacts that caps the historical deposits at the site encountered in the first five hand-excavated units at the site, the research design was

modified allowed for mechanical removal of this deposit from the remaining units by backhoe, with no further screening or collection of artifacts from the deposit. A new collection and cataloging strategy was agreed upon by staff members at NRAP, SAMA, and archeologists at HDC: fill artifacts from Unit 1 were to be fully cataloged as a representative sample, with the fill artifacts from units 2–5 inventoried by material class and then discarded. In this manner, a little over 2,000 artifacts were cataloged and prepared for curation from the excavations. The general inventory of fill artifacts can be found in Appendix B.

Collection policy was also altered for a thick deposit of brick rubble present in Units 1 and 4. While the rubble material was screened and non-brick artifacts were collected, all brick and mortar fragments from this rubble deposit as encountered in Units 6 through 10 were weighed, recorded on unit level forms, and then discarded.

Excavation units were hand excavated in 10-centimeter (3.9-in) levels within natural stratigraphy, with levels terminating when stratigraphy changes were encountered. An elevated datum set at 10 centimeters (3.9 in) above ground level was located in the southwest corner of each unit for measuring depth. Excavation units were excavated to a final depth of 10 centimeters (3.9 in) below the depth at which the last artifact was recovered, unless an obstruction was encountered (e.g., an impenetrable rock layer), water began to seep into the excavation unit, or the depth of the unit precluded further excavation without stepping back the sides of the trench to comply with Occupational Safety and Health Administration regulations (which was not authorized by the scope of work). All soil was screened through 0.65-centimeter (0.25-in) mesh. All cultural material was collected for laboratory analysis, with the exception of the twentieth-century fill deposit materials discussed in the previous paragraph. When unit excavation was completed, a profile of at least two walls, typically the north and the west walls, was drawn and photographed. Plan views were produced for all units with features occurring in the unit floors. Units with no features did not require plan views.

The Harris Matrix system was employed to document soils and features at the Derby Counting House site. No separate feature numbers were assigned, as the principal investigator deemed the use of individual feature numbers redundant with the Harris Matrix system.



Quality Control

As part of a quality control/assurance program, HDC staff members performed a series of daily post-field tasks. At the completion of each field day, HDC permanent staff reviewed all field forms that were completed that day, assigned field sample (FS) numbers to each individual artifact bag, and completed summary forms for all units finished that day. All digital photographs and GPS data were downloaded to laptop computers. The daily quality-control session allowed errors in the field data to be identified immediately, and solutions to problems could therefore be worked out before the next field day began.

Laboratory

All artifacts were transported to the HDC lab in Columbus, Ohio, for further processing. Before washing and cataloging, artifacts were separated by stratigraphy, with all artifacts collected from modern (1940s and earlier) fill deposits inventoried and set aside. Artifacts from intact deposits below the 1940s fill layer were first examined to identify any that were fragile or required special processing. The artifacts not requiring special treatment were then washed in clean water, and excess dirt was removed by light brushing to avoid abrading the artifact. Once artifacts were thoroughly dried, they were sorted by material type and placed in 4-mil resealable plastic bags, which were perforated to prevent condensation and possible mildew on the artifacts.

Artifacts from the intact deposits below the 1940s fill layer were further separated into provenience order of Unit, Stratum, and Level per the Interior Collection Management System (ICMS) cataloging protocols. Cataloging followed the NRAP guidelines issued in 2007 and 2008. The catalog of artifacts is presented in Appendix A.

After completing the cataloging of material from the intact deposits, all artifacts from the modern fill deposits in Unit 1 were washed and cataloged to provide a representative sample of the fill deposit material, up to a maximum number of 2,000 cataloged artifacts set by the scope of work. Brick fragments collected from a dense brick rubble deposit in units 1 and 4 during the August fieldwork were weighed but not cataloged; the bricks from Unit 1 were transported to NRAP for cataloging.

Date ranges used for artifact analysis in this report are taken from the following sources:

- Adams 2002: Machine Cut Nails and Wire Nails: American Production and Use for Dating 19th-Century and Early-20th-Century Sites
- Bradley 1999: Interim Report on the Archeology of the Phips Site Through 1999
- Bradley 2000: Smoking Pipes for the Archaeologist
- Fike 1987: The Bottle Book: A Guide to Historic Medicine Bottles
- Gurcke 1987: Bricks and Brickmaking: A Handbook for Historical Archaeology
- Harrington 1978: Dating Stem Fragments of Seventeenth and Eighteenth Century Clay Tobacco Pipes
- Hume 1969: A Guide to Artifacts of Colonial North America
- Jones et al. 1989: The Parks Canada Glass Glossary

- Kovel and Kovel 1986: Kovel's New Dictionary of Marks
- Lindsay 2012: Historic Glass Bottle Identification & Information Website
- Maryland Archaeological Conservation Laboratory 2012: Diagnostic Artifacts in Maryland website
- Miller 2000: Telling Time for Archaeologists
- Price 1901: Notes upon Clay Tobacco Pipes of the Seventeenth Century Found in Bristol
- Thomas Jefferson Institute 2012: Digital Archaeological Archive of Comparative Slavery Ceramic Ware and Mean Ceramic Date Types
- Toulouse 1971: Bottle Makers and Their Marks
- U.S. Patent Office 2012: United States Patent D242,646

Curation

All artifacts collected from the intact strata below the 1940s-era fill deposit were prepared for curation according to NRAP standards, along with all associated field paperwork and photographs. The Derby Counting House collection from this investigation will be curated at SAMA.

RESULTS OF ARCHEOLOGICAL INVESTIGATIONS

Fieldwork Results

Fieldwork at SAMA took place August 21–23 and November 7–9, 2012. A total of 10 one-meter-square excavation units were placed to investigate geophysical anomalies identified in the geophysical survey conducted by Bill Griswold earlier in 2012 (Figure 30). Major discoveries included confirming the presence of the feature identified as a cobble subfloor first identified by Hartgen (Stull 2004), and determining that the counting house building was most likely removed intact rather than dismantled on site, due to the lack of discarded nails and relative low amount of building material left on site (apart from broken bricks). The chimney location (and thus the location of the counting house room in the building) was identified as likely on the southern end of the building, from the concentration of bricks and brick fragments in excavation units corresponding to the southern axis of the building in the GPR results. This concentration of brick fragments was only found at the southeastern corner of the building in stratigraphy dating to the early nineteenth century, and not in any of the units placed along the eastern axis or southern axis of the building footprint (as indicated by the GPR survey). The building may have had a stone foundation that was salvaged as part of the building removal in 1819; alternatively, the large stones found in excavations may represent a corner pier and not a larger foundation. Three flat stones arranged in a line were also documented in units 1, 6, and 10, all roughly the same size and placed approximately equidistant from each other in the line. These stones are interpreted to be bases for posts supporting the floor of the building.

The units excavated at the site revealed interesting data about site taphonomy. It appears that the 1938 renovations resulted in the deposition of a thick layer of fill over the counting house lot, containing domestic refuse ranging in origin from the late nineteenth to the mid-twentieth century. The latest datable artifact in this fill deposit was a 1939 U.S. dime. Interestingly, there appears to be a hundred-year gap in time represented in the stratigraphy at the site. Directly under the ca. 1940 fill deposit was a stratum with artifacts dating no later than the 1830s. There were no strata documented at the site that represented post-1830, pre-1940 depositional events, even though we have documentary evidence that 15 wagonloads of gravel fill was deposited on the site in 1819 to bring the counting house lot up to grade with the rest of the wharf. The 1819 fill may be represented by what was thought to be a cobble subfloor in the Hartgen excavations. It appears that sometime before 1940, a large amount of accumulated fill was removed from the lot, perhaps during grading that took place as part of WPA renovations in the late 1930s; the 1938 hurricane may also have played a significant part in removal of material. Freidlander et al. (1991: 157) noted that rear yard areas of buildings north of Derby Street were graded and the spoil material used as fill for the wharf reconstruction; this event fits well with the character of the twentieth century fill deposit, which contained large amounts of domestic refuse, such as sherds of broken glass and ceramic vessels. Table 1 presents the complete stratum log for the excavation.

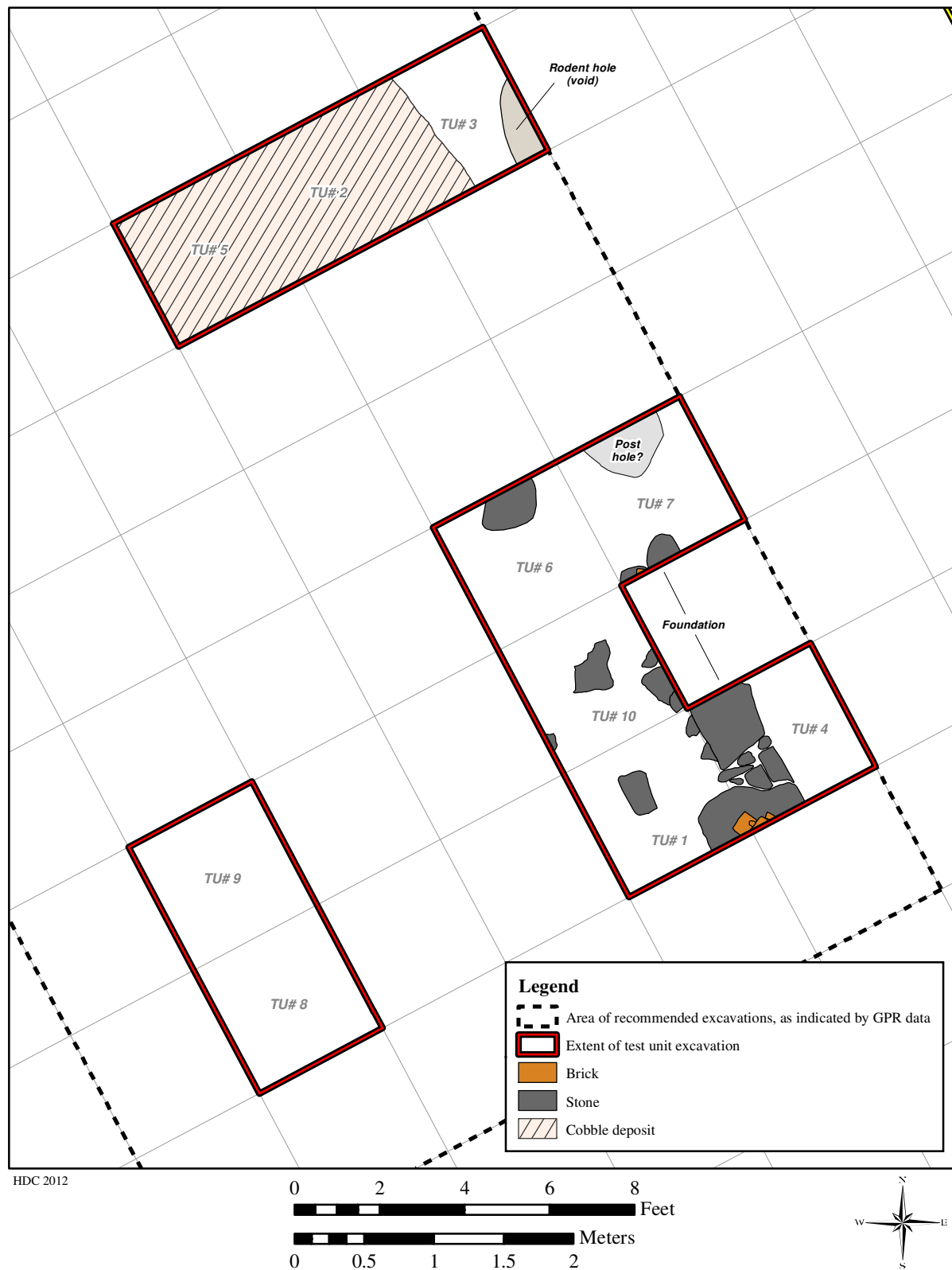


Figure 30. Plan view of all ten units at the Derby Counting House site

Table 1. Derby Counting House Stratum Log

Stratum Number	Description	Associated Units	Notes
1	Surface of site	All	Grassy lawn
2	Modern sod layer, 10YR 3–4/2 sandy loam with high gravel content	All	Contains mix of 19th and 20th century artifacts from recent ground disturbing activities
3	Cement deposit within Stratum 2	2, 3	3 cm thick, approximately 35 x 45 cm-probably related to some recent construction event
4	Mottled fill of 10YR 3–5/3 gravelly sand	All	-
5	10YR 3/3 and 10YR 3/2 very gravelly sandy loam fill	All	Large chunks of quartzite present throughout, with a mixture of 19th and 20th century artifacts. Latest datable artifact observed is 1939 U.S. dime
6	10YR 2/1 fine sand with few gravel	2, 3, 5	Very thin, directly below Stratum 5
7	10YR 3/1 mottled with 10YR 5/1 compact sandy loam	1,4	Highly mottled deposit directly below Stratum 5
8	10YR 4/6 mottled with 10YR 3/2 gravelly sand	2, 3, 5, 6, 7	Gravel consists of water-worn pebbles, not quartzite; no artifacts present in units 2 and 5.
9	10YR 3/2 mottled with 10YR 4/6 gravelly sand	2, 3, 5, 6, 7	Gravel consists of water-worn pebbles, not quartzite; no artifacts present in units 2 and 5.
10	10YR 4/6 mottled with 2.5Y 4/2 redox gravelly fine sand	1, 2, 3, 4, 5, 6, 7, 10	Much evidence of water table fluctuation through presence of redox staining; corresponds with location of Stratum 12 directly below in units 2 and 5
11	10YR 5/3 coarse sand	1, 4	High concentration of bricks and mortar; correlates to stratum 18 in units 6, 7, and 10
12	Dense cobble deposit	2, 3, 5, 6, 7, 8, 9, 10	Very compacted, cobbles are small water-worn pebbles
13	10YR 4/4 sand	1	In north half of unit at 79 cmbs, north of brick concentration
14	10YR 4/6 mottled with 2.5Y 7/2 through 2.5Y 7/6 gravelly coarse sand	1, 3, 4, 6, 7, 8, 9, 10	Probable natural beach deposits, artifact density drops tremendously with depth
15	10YR 2/1 gravelly sand	3	Rodent disturbance within Stratum 14, related to Stratum 17
16	10YR 3/2 sandy loam	4	Rodent burrow
17	n/a	3	Rodent burrow interface within Stratum 14 – burrow recently active, appeared as void with modern plastic within it
18	10YR 5/3 coarse sand	6, 7	Brick rubble and sand below Stratum 12; correlates to Stratum 11 in units 1 and 2
19	10YR 4/1	4	Dark soil associated with stone foundation
20	10YR 4/2 fine sand	6, 10	Directly below Stratum 18
21	See stratum 14	6	Duplicate of stratum 14-not charted in Harris Matrix
22	10YR 4/1 clayey sand	8, 9	Redoxidization staining present; possibly correlated with Stratum 10 elsewhere

Stratum Number	Description	Associated Units	Notes
23	n/a	7	Interface of large post hole with Stratum 5 (fill within post hole) and strata 8, 9, 10, 12, 14, 18, and 20
24	n/a	7	Ash lens within Stratum 5
25	2.5 Y 5/1 fine sand	8	Deposit in southeast corner of unit, about 10% gravel content
26	10YR 4/3 very fine sand	8, 9	Directly below Stratum 14, 25; probe indicates stratum extends approximately 15 cm deep and interfaces with a stratum similar to Stratum 14
27	n/a	4, 7	Stone foundation
28	n/a	1	Flat stone post support #1
29	n/a	10	Flat stone post support #2
30	n/a	6	Flat stone post support #3

Unit Summaries

The ten units excavated at the Derby Counting House location are discussed below. Instead of individual unit descriptions in numerical order, the units are presented in groups according to where they were excavated in relation to other units. For example, Units 1 and 4, Units 6 and 7, and Units 8 and 9 were each excavated to form a one by two meter excavation block. Units 2, 3, and 5 form a one by three meter excavation block. Unit 10 was excavated to connect Units 1 and 6, and is discussed separately following the discussion of Units 1 and 4 and Units 6 and 7.

Units 1 and 4

Unit 1 was placed to coincide with a possible building corner as indicated through the GPR results. The southwest corner of Unit 1 was placed at grid point 15 east, 3 north. Unit 4 was subsequently placed on the eastern side of Unit 1. Excavation commenced on August 21 and was mostly completed on August 23; the final level in Unit 4 was completed on November 9. The excavation datum for both units was placed 10 cm above ground surface at the southwest corner of Unit 1. All soil was screened from these two units. Stratigraphy observed in the three units was relatively uniform across the excavation, with the exception of Stratum 13 that occurs within Stratum 11 in Unit 1, but not in Unit 4. Table 2 lists the stratigraphy recorded for units 1 and 4, depicted in the Harris matrix in Figure 31. Figure 32 shows the combined south profile for Units 1 and 4. Figure 33 is a photograph of the combined south profile in August of 2012, and Figure 34 shows the south profile for Unit 4, completed during the November 2012 fieldwork. Figure 35 shows the combined west profiles of Units 1, 6, and 10, followed by photographs of the west profiles of Unit 1 (Figure 36), Unit 10 (Figure 37), and Unit 6 (Figure 38).

Table 2. Stratigraphy within Units 1 and 4

Depths in this table represent the average depth of each stratum as it was recorded for the southwest corner of each unit from the Unit 1 datum (where applicable), and thus may not exactly match recorded depths recorded on field paperwork or the following profile.

Stratum	Average depth below Unit 1 Datum	Present within units	Notes
1	10 cm	1, 4	-
2	10–16 cm	1,4	Mixture of modern and 19th century artifacts
4	16–20 cm	1,4	Thin gravely sand fill with bottle glass, plastic, large cobbles
5	20–60 cm	1,4	Thick, compacted modern gravely sandy loam fill, high density of artifacts from ca. 1850s–1940
7	60–75 cm	1,4	Highly mottled deposit
10	75–78.5 cm	1,4	Early 19th century artifacts present
11	78.5–100.5 cm	1,4	Brick rubble deposit, late 18th–early 19th-century ceramics
13	89–95 cm	1	Lens within Stratum 11 in north half of unit at 89 cmbd, north of brick concentration
14	104.5–119.5 cm	1,4	Naturally deposited soil with 18th and early 19th century artifacts
16	78–92 cm	4	Rodent burrow in stratum 11, contains ironstone-mid-to late 19th century
19	102–110 cm	4	Soil fill directly above and in between stones of Stratum 27
27	92–126 cm	1,4	Stone foundation, mainly within Unit 4

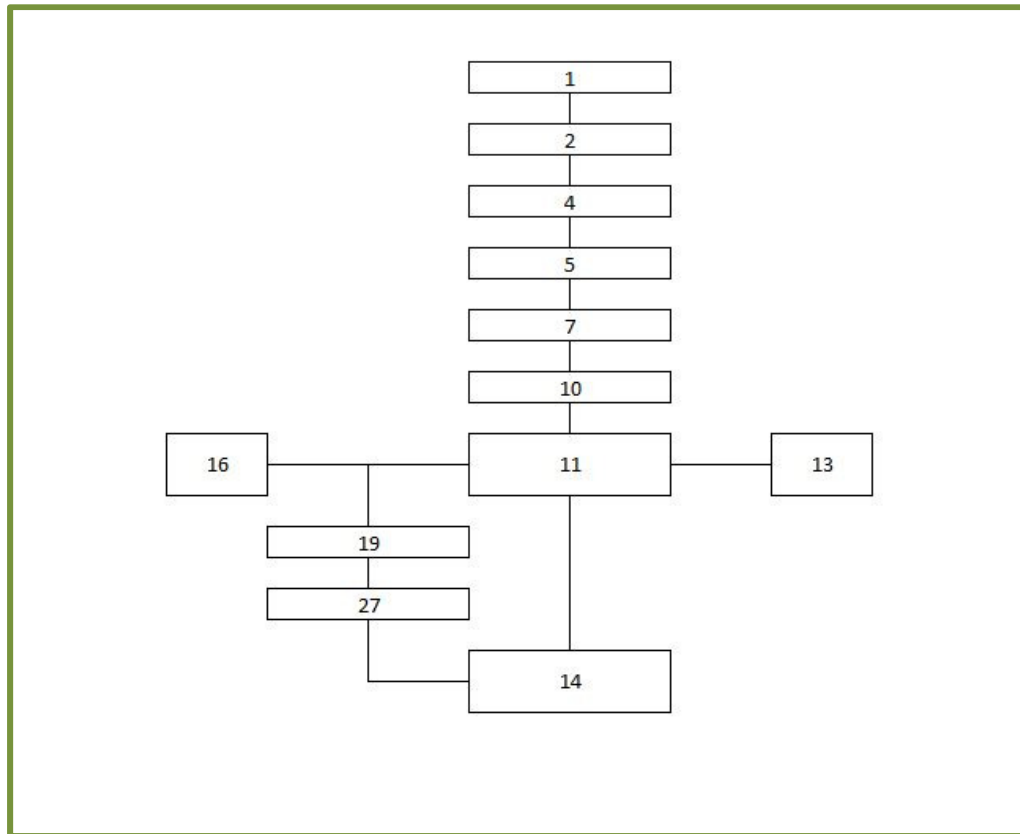


Figure 31. Harris Matrix for units 1 and 4.

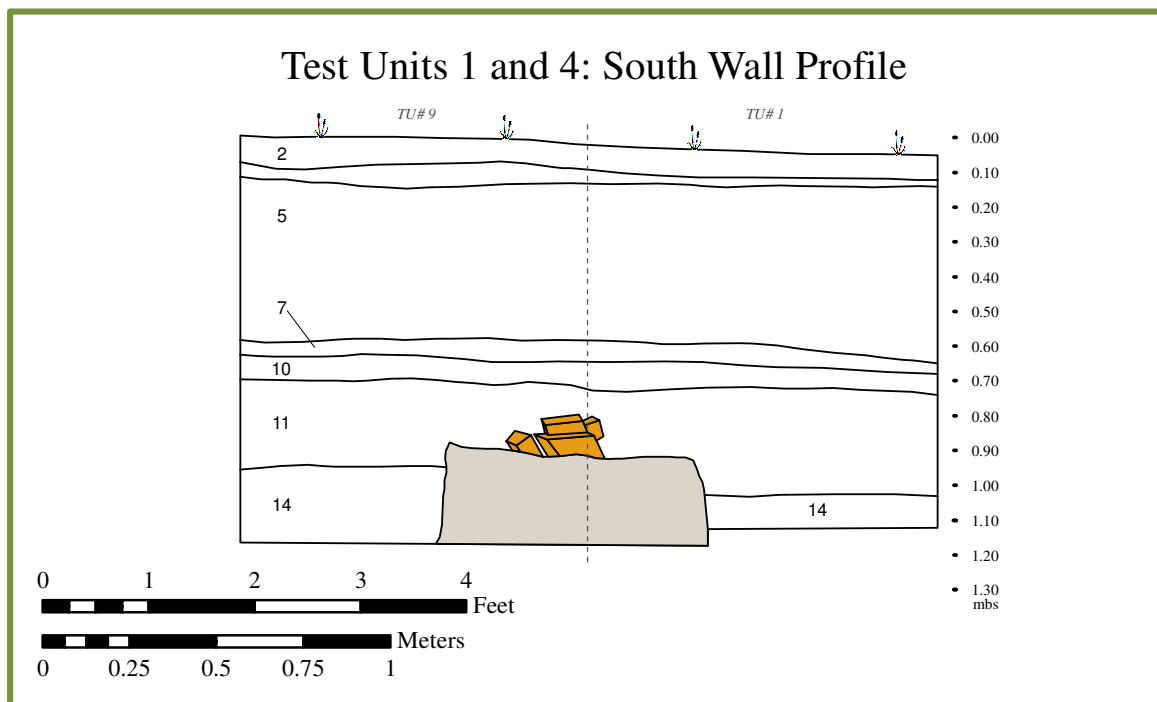


Figure 32. Units 1 and 4, south wall profile



Figure 33. Units 1 and 4 south profile photograph, August 2012

Photograph by Anne Lee

This photograph shows the stratigraphy of Unit 1 (on the right half of the image) and unit 4 (on the left half) at the conclusion of fieldwork in August 2012. Unit 1 was completed in August, but time constraints precluded the completion of Unit 4 until the November fieldwork session.



Figure 34. Unit 4 south profile photograph, November 2012

Photograph by Terry Glaze

This photograph shows the south profile of Unit 4 after excavation was completed in November 2012. Note the rubble fill (Stratum 11) over the stone foundation and overlaying Stratum 14 as well.

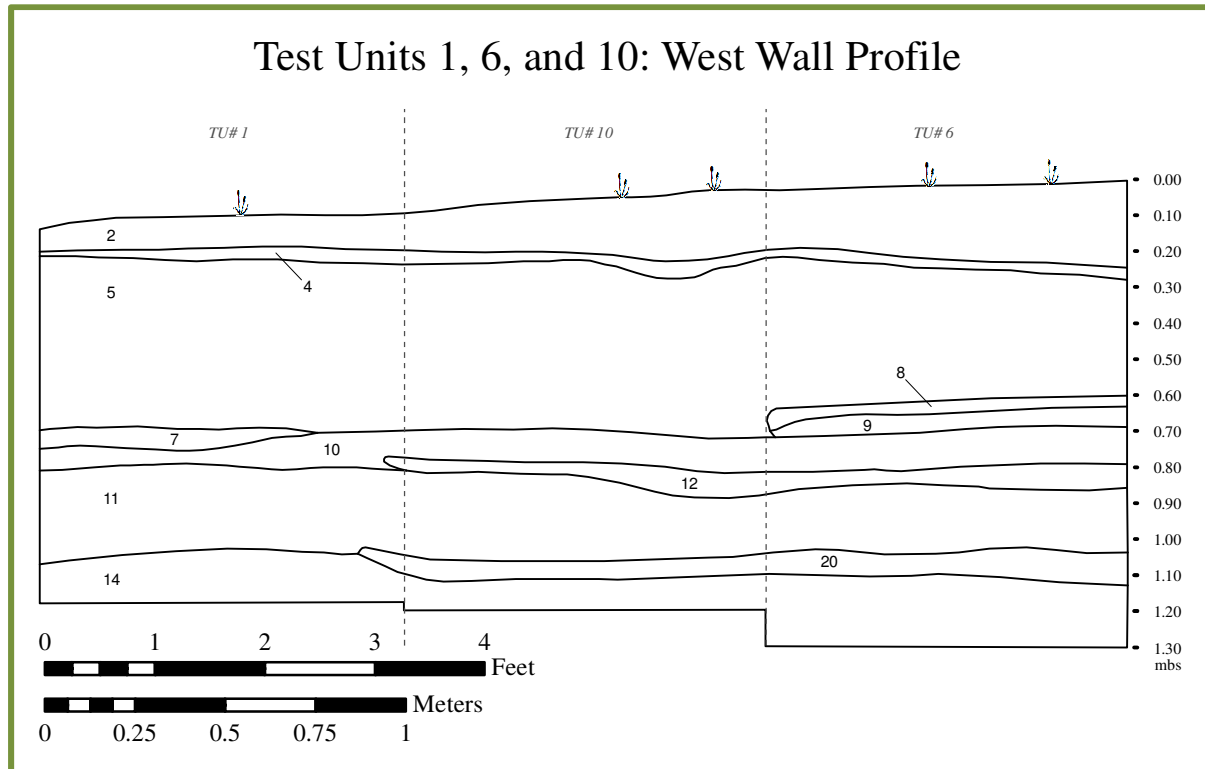


Figure 35. Combined west profile of units 1, 6, and 10

Note: This profile was created from a composite of three individual unit wall profiles produced at different times. Depths in this profile are depicted as from the ground surface at the northwest corner of Unit 6, may not exactly match descriptions in field paperwork, as all three units had separate unit datums.



Figure 36. Unit 1 west profile photograph

Photograph by Anne Lee



Figure 37. Unit 10 west profile photograph

Photograph by Terry Glaze



Figure 38. Unit 6 west profile photograph

Photograph by Andrew Sewell

Discussion

The stratigraphy within Units 1 and 4 shows a sequence of depositional events associated with the construction of the Derby Counting House, natural processes, and the actions of the WPA and NPS in the twentieth century. There are four strata definitely associated with twentieth and twenty-first century activity:

- Stratum 1, the surface of the site
- Stratum 2, a sod layer containing material from recent activity and earlier artifacts likely originating from recent excavations (including a utility line excavation and the excavation of Hartgen trenches 11 and 31).
- Stratum 4, a thin layer of fill dating from no earlier than the 1940s
- Stratum 5, a thick layer of gravelly fill deposited on the location ca. 1940, containing a high density of twentieth century artifacts mixed with a lesser amount of nineteenth century artifacts

Strata found in these three test units that are nineteenth century or earlier in origin include:

- Stratum 7, a thin layer of dark fine sand with numerous late nineteenth century artifacts, directly below Stratum 5

- Stratum 10, a thick layer of sandy loam showing reduction-oxidization staining and containing late eighteenth and early nineteenth-century artifacts, with a TPQ of 1837
- Stratum 11, a layer of brick and mortar rubble with a sandy soil matrix; ceramic TPQ of 1775, but likely dating to 1819
- Stratum 13, a lens of coarse sand within the brick rubble of Stratum 11
- Stratum 14, a very thick layer of clayey sand, likely representing naturally deposited material from tidal action
- Stratum 16, a rodent burrow within Stratum 11 that coincides with the top exterior edge of Stratum 27, dating to the mid-to late nineteenth century from an ironstone sherd in the matrix of the burrow
- Stratum 19, a dark very fine sand present just above and in between the stones composing Stratum 27
- Stratum 27, the stone foundation.

Stratum 27, the stone foundation, first appeared as a pair of very large, irregular stones mainly within unit 4 (Figure 39). Upon removal of the northern stone with the backhoe during the continuation of unit 4's excavation in the November fieldwork session, the archeologists discovered that this boulder was set atop another large stone, and partially covered a dry-laid stone foundation connecting the two large stones (Figure 40, Figure 41). Stratum 19, representing soil in between the stones, contained a sherd of Astbury ware, an early to mid-eighteenth-century ceramic. The alignment of the stone foundation matches the grid north-south alignment of the geophysical anomaly that was interpreted as remnants of the Derby Counting House, although the interpreted location in the geophysical data was approximately 0.5 meters west of the stone foundation. A small, flat-topped stone was present 50 cm to the west of the foundation, in line with two similar stones in units 10 and 6 to the north. This set of flat-topped stones may represent a set of sub-floor post supports.



Figure 39. Units 1 and 4 plan view photograph, August 2012, facing north

Photograph by Anne Lee

This image shows the large boulder in place before its removal during the November fieldwork session. The top of the boulder is roughly level with the base of Stratum 5.

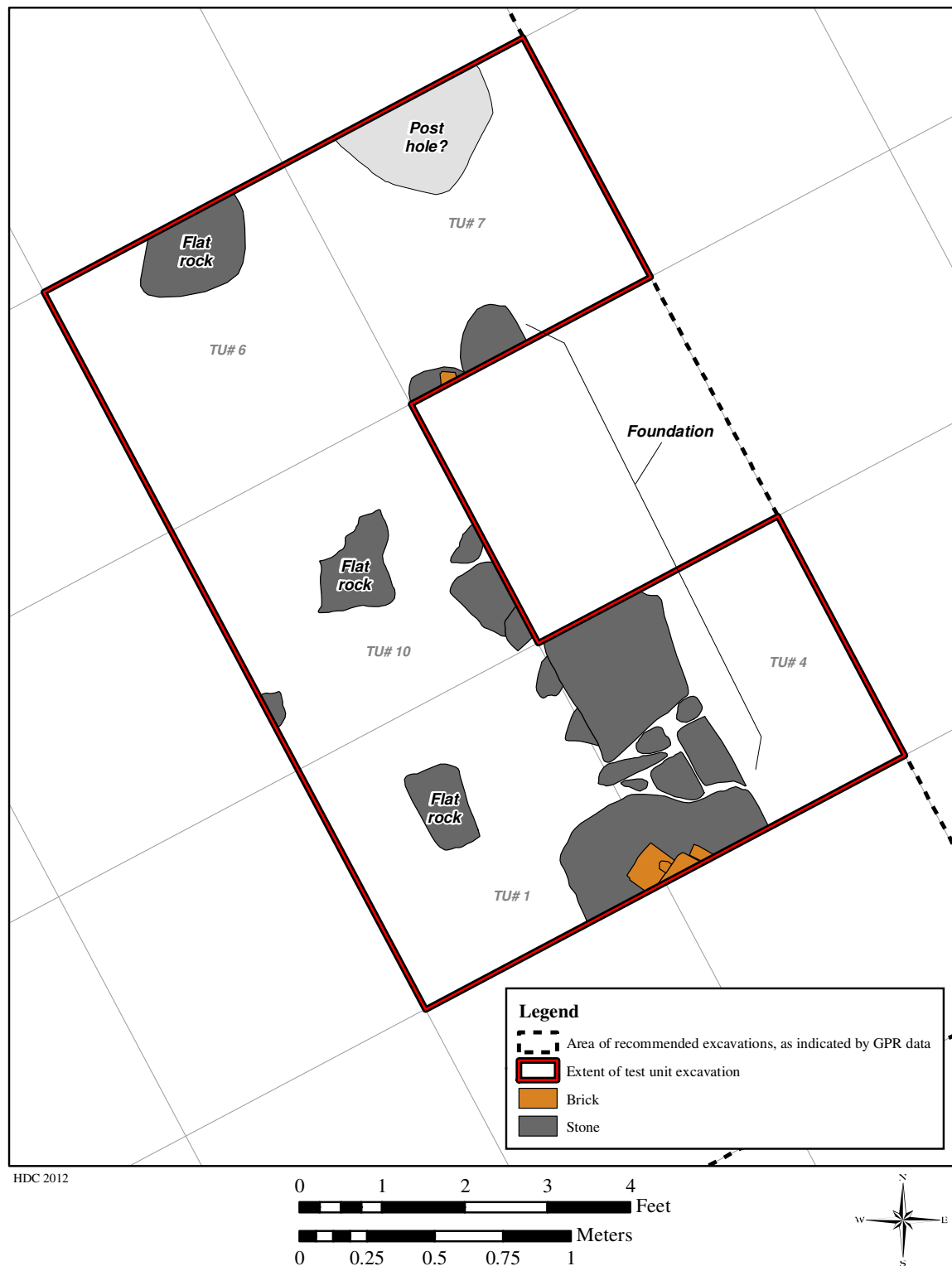


Figure 40. Units 1, 10, and 6 plan view



Figure 41. Units 1, 10, and 6 plan view photograph showing foundation and set of flat stones, facing north

Photograph by Terry Glaze

This photograph shows the stone foundation after the removal of the large boulder and the set of three flat stones thought to represent internal floor post supports for the Derby Counting House.

Artifacts

All artifacts collected during excavations of Unit 1 were cataloged by HDC (excepting brick fragments from Stratum 11, which were transported to NRAP for cataloging), including material from the modern fill layers, per the scope of work modification. Fill artifacts were not cataloged from unit 4. Unit 1 produced a total of 1,206 artifacts, and Unit 4 produced 209 artifacts from below the modern fill, with an estimated 548 artifacts from the modern fill deposits, for a combined total artifact count from both units of approximately 1,963 artifacts. The majority of artifacts from both units was recovered from the modern fill, with 1,027 artifacts cataloged from Strata 2, 4, and 5 in Unit 1 alone, suggesting that field sample estimates for fill content may have been too conservative when compared to the estimate for

Unit 4 for the uncataloged fill deposits. A total of 160 pounds of brick were excavated from Stratum 11 in Unit 1, along with 38 pounds from Stratum 11 in Unit 4, for a combined total of 198 pounds of brick from the nineteenth century brick rubble deposit in these two units. Table 3 presents the artifacts cataloged from Unit 1, and Table 4 presents artifacts cataloged from Unit 4. A brief discussion of the artifacts is presented below, focusing on how the artifacts relate to the Derby Counting House location.

Table 3. Unit 1 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
2	1	BODY SHERD	WHITEWARE, PLAIN	1	0.3g
2	1	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	<0.1g
2	1	BODY SHERD	PORCELAIN, PLAIN	1	1.1g
2	1	STRUCTURAL MATERIAL	BRICK FRAGMENT	3	7.4g
2	1	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS BOTTLE FRAGMENT	1	0.8g
2	1	GLASS BODY SHERD	MOLDED, LIGHT BLUE	1	1.2g
2	1	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	8	7.6g
2	1	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	4	4.0g
2	1	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	2	7.2g
2	1	NAIL	INDETERMINATE CORRODED NAIL FRAGMENT	2	2.6g
2	1	CLOTHING	RED PLASTIC BEAD	1	0.4g
2	1	TOY	PLASTIC RING POP	1	1.1g
2	1	INDETERMINATE SYNTHETIC OBJECT	FLAT RED MOLDED PLASTIC OBJECT	1	0.2g
4	2	BODY SHERD	PEARLWARE, PLAIN	1	<0.1g
4	2	BODY SHERD	WHITEWARE, PLAIN	4	1.5g
4	2	RIM SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE	1	0.4g
4	2	RIM SHERD	PORCELAIN, GREEN-BANDED RIM	1	0.6g
4	2	STRUCTURAL MATERIAL	BRICK FRAGMENT	5	23.4g
4	2	GLASS BODY SHERD	MACHINE-MADE MANUFACTURE, OWENS SCAR, EMBOSSED BODY ("1/3"), COLORLESS BOTTLE FRAGMENT	1	9.2g
4	2	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	3	2.1g
4	2	GLASS BODY SHERD	INDETERMINATE, COLORLESS	20	12.9g
4	2	GLASS BODY SHERD	INDETERMINATE, LIGHT BLUE	3	3.9g
4	2	GLASS BODY SHERD	INDETERMINATE, BROWN	1	1.0g
4	2	GLASS BODY SHERD	INDETERMINATE, WHITE (OPAQUE	1	<0.1g
4	2	WINDOWPANE-FRAGMENT	INDETERMINATE, COLORLESS	8	3.2g
4	2	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	2	4.8g
4	2	NAIL	WIRE, CORRODED NAIL	2	4.8g
4	2	NAIL	WIRE, CORRODED NAIL FRAGMENT	4	11.1g
4	2	NAIL	INDETERMINATE MANUFACTURE CORRODED NAIL FRAGMENT	1	0.7g

Stratum	Level	Object	Description	Count	Weight
4	2	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT, MENDES (1)	3	18.8g
4	2	INDETERMINATE SYNTHETIC OBJECT	PLASTIC SHEETING FRAGMENT? WHITE	1	0.1g
4	2	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	4	2.0g
4	2	CHIPPED STONE	CRYPTOCRYSTALLINE DEBITAGE, CORTICAL PRIMARYFLAKE	1	0.1g
4	2	CHIPPED STONE	QUARTZ DEBITAGE, NON-CORTICAL FLAKE FRAGMENT	1	0.7g
5	3	BODY SHERD	REDWARE, PLAIN, FLOWER POT FRAGMENT	1	4.2g
5	3	BODY SHERD	PEARLWARE, TRANSFER-PRINTED, BLUE FLORAL PATTERN, 2 SURFACES	1	0.6g
5	3	BODY SHERD	WHITEWARE, PLAIN	7	2.7g
5	3	RIM SHERD	WHITEWARE, PLAIN	5	2.7g
5	3	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN, MENDES (1)	10	13.7g
5	3	RIM SHERD	WHITEWARE (IRONSTONE), PLAIN	3	1.1g
5	3	BODY SHERD	YELLOWWARE, ANNULAR; BLUE, WHITE	1	1.6g
5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	0.7g
5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, HANDPAINTED, BLUE; COARSE WHITE BODY	1	1.3g
5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, TRANSFER-PRINTED, BLUE; MENDES (1)	2	0.4g
5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, UNIDENTIFIED DECORATION, RED	1	0.3g
5	3	BODY SHERD	PORCELAIN, UNDECORATED	5	2.6g
5	3	BODY SHERD	PORCELAIN, OVERGLAZE HANDPAINTED, RED	3	4.1g
5	3	BODY SHERD	WESTERWALD/RAEREN STONEWARE, MOLDED EXTERIOR, PURPLE MANGANESE GLAZE	1	1.6g
5	3	BODY SHERD	DOMESTIC STONEWARE, ALBANY-SLIPPED 1 SURFACE (INTERIOR)	2	1.8g
5	3	BODY SHERD	DOEMESTIC STONEWAREALBANY-SLIPPED 2 SURFACES	1	2.2g
5	3	BODY SHERD	DOMESTIC STONEWARE, SALT GLAZED 1 SURFACE (EXTERIOR); BROWN-SLIPPED 1 SURFACE (INTERIOR)	1	1.6g
5	3	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, WHITE CLAY	1	1.2g
5	3	STRUCTURAL MATERIAL	BRICK FRAGMENT	15	521.1g
5	3	GLASS BASAL SHERD	PRESS MOLDED, RIBBED, COLORLESS, TUMBLER FRAGMENT	1	5.4g
5	3	GLASS BODY SHERD	CONTACT MOLDED, SEPARATE BASE, MENDES (1)LIGHT BLUE BOTTLE FRAGMENT	2	10.0g
5	3	GLASS LIP SHERD	TURN/PASTE MOLD CHAMPAGNE FINISH, MENDES (3), GREEN BOTTLE FRAGMENT	4	20.2g
5	3	GLASS NECK SHERD	MACHINE-MADE MANUFACTURE, CROWN FINISH, COLORLESS BOTTLE FRAGMENT	1	2.6g
5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-8"/, COLORLESS	1	1.2g
5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-R-"/, COLORLESS	1	0.8g
5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-UI-"/, COLORLESS	1	1.3g
5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS	3	2.7g
5	3	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS BOTTLE FRAGMENT	1	2.9g

Stratum	Level	Object	Description	Count	Weight
5	3	GLASS BODY SHERD	CONTACT MOLDED, LIGHT BLUE	1	0.3g
5	3	GLASS BASAL SHERD	CONTACT MOLDED, COLORLESS	1	3.0g
5	3	GLASS BASAL SHERD	CONTACT MOLDED, AQUA	1	12.8g
5	3	GLASS BASAL SHERD	CONTACT MOLDED, AMBER	1	1.7g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, SOLARIZED	1	0.8g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	70	71.1g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	3	6.5g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT AQUA	4	9.4g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AQUA	2	1.4g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	6	4.4g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, DARK GREEN	3	5.9g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	2	1.2g
5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHITE (OPAQUE)	3	4.3g
5	3	GLASS LIP SHERD	INDETERMINATE MANUFACTURE, TAPERED LIP, COLORLESS	1	7.4g
5	3	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	30	14.3g
5	3	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	7	13.2g
5	3	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL	8	39.1g
5	3	NAIL	MACHINE CUT, INDETERMINATE CORRODED SPIKE	2	138.9g
5	3	NAIL	MACHINE CUT, LATE, CORRODED RAILROAD SPIKE	1	258.9g
5	3	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	19	131.9g
5	3	NAIL	WIRE CORRODED NAIL	37	633.0g
5	3	NAIL	WIRE CORRODED NAIL FRAGMENT	25	185.0g
5	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	34	123.1g
5	3	SCREW	INDETERMINATE MANUFACTURE, CORRODED SCREW FRAGMENT	1	15.2g
5	3	STAPLE	CORRODED STAPLE FRAGMENT	1	4.9g
5	3	BOLT	CORRODED BOLT FRAGMENT	2	96.9g
5	3	HAND TOOL	IRON PUNCH	1	23.1g
5	3	INDETERMINATE METAL OBJECT	CAST IRON OBJECT	1	17.2g
5	3	INDETERMINATE METAL OBJECT	WROUGHT IRON, CORRODED METAL OBJECT	1	15.3g
5	3	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT, MENDS (1)	5	31.6g
5	3	BOTTLE CLOSURE	BOTTLE CAP INTERIOR LINER	1	0.2g
5	3	PERSONAL OBJECT	PLASTIC COMB FRAGMENT	1	1.5g
5	3	INDETERMINATE SYNTHETIC OBJECT	THICK WHITE PLASTIC STRIP	1	0.1g
5	4	BODY SHERD	CREAMWARE, PLAIN	2	0.5g
5	4	RIM SHERD	CREAMWARE, PLAIN	1	0.6g
5	4	BODY SHERD	PEARLWARE, PLAIN	7	2.5g
5	4	BODY SHERD	WHITEWARE, PLAIN	8	7.1g

Stratum	Level	Object	Description	Count	Weight
5	4	BASAL SHERD	WHITEWARE, PLAIN, MENDS (1) MAKER'S MARK, ("/- UGHLIN")-Homer Laughlin ca. 1900	2	1.2g
5	4	BODY SHERD	WHITEWARE, TRANSFER-PRINTED, BLACK	1	0.4g
5	4	BODY SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE-GREEN (HOTEL CHINA)	1	<0.1g
5	4	BODY SHERD	WHITEWARE, MOLDED	1	6.3g
5	4	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN	1	0.9g
5	4	BODY SHERD	WHITEWARE (IRONSTONE), TRANSFER-PRINTED, BLUE	1	0.3g
5	4	RIM SHERD	WHITEWARE (IRONSTONE) PLATE-FRAGMENT, TRANSFER-PRINTED, GREEN FLORAL PATTERN	1	10.1g
5	4	BODY SHERD	WHITEWARE (IRONSTONE), SPONGE DECORATION, BLUE	10	18.7g
5	4	RIM SHERD	UNIDENTIFIED EARTHENWARE, BURNT	1	1.9g
5	4	BODY SHERD	PORCELAIN, PLAIN	1	1.5g
5	4	BODY SHERD	PORCELAIN, OVERGLAZE HANDPAINTED MONOCHROME, ORANGE	1	1.2g
5	4	BASAL SHERD	PORCELAIN, OVERGLAZE HANDPAINTED MONOCHROME, ORANGE	1	2.8g
5	4	BODY SHERD	PORCELAIN, UNDERGLAZED TRANSFER-PRINTED MONOCHROME, BLUE	1	<0.1g
5	4	BODY SHERD	NOTTINGHAM TYPE STONEWARE MUG FRAGMENT, MENDS (2), CROSSMENDS (3 TO SAMA-33096)	4	7.5g
5	4	RIM SHERD	NOTTINGHAM TYPE STONEWARE MUG FRAGMENT, MENDS (2), CROSSMENDS (3 TO SAMA-33095)	4	9.5g
5	4	BODY SHERD	DOMESTIC STONEWARE, ALPANY-SLIPPED 2 SURFACES	1	0.8g
5	4	BODY SHERD	DOMESTIC STONEWARE, SALT GLAZED 1 SURFACE (EXTERIOR), BROWN-SLIPPED 1 SURFACE (INTERIOR)	1	3.4g
5	4	STRUCTURAL MATERIAL	BRICK FRAGMENT	4	44.2g
5	4	STRUCTURAL MATERIAL	DRAIN PIPE FRAGMENT	1	1.9g
5	4	GLASS LIP SHERD	CONTACT MOLDED, MOUTH BLOWN, PATENT LIP, MENDS (2), COLORLESS BOTTLE FRAGMENT	3	12.7g
5	4	GLASS BODY SHERD	PRESS MOLDED, SQUARE FACETS, COLORLESS	1	23.2g
5	4	GLASS BODY SHERD	PRESS MOLDED, RIBBED, COLORLESS	1	1.8g
5	4	GLASS BODY SHERD	PRESS MOLDED, COLORLESS	1	1.7g
5	4	GLASS BODY SHERD	PRESS MOLDED, AMBER	2	2.8g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-&-" , COLORLESS	1	1.2g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-(SCRIPT)H/- 24/-M-" , COLORLESS	1	2.2g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-N. P-" , COLORLESS	1	2.6g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-TT-" , COLORLESS	1	0.8g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/3/" , COLORLESS	1	2.0g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS	2	1.8g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ME-" , SOLARIZED	1	2.4g
5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ERE-" , AQUA	1	8.4g

Stratum	Level	Object	Description	Count	Weight
5	4	GLASS LIP SHERD	CONTACT MOLDED, LIPPING TOOL FINISH, COLORLESS BOTTLE FRAGMENT	1	3.0g
5	4	GLASS BODY SHERD	CONTACT MOLDED, COLORESS	14	25.0g
5	4	GLASS LIP SHERD	MOLDED, INDETERMINATE , AQUA BOTTLEFRAGMENT	2	2.7g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	135	144.5g
5	4	GLASS SHOULDER SHERD	INDETERMINATE MANUFACTURE, COLORLESS BOTTLE FRAGMENT	2	14.6g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AQUA	7	3.6g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	17	38.1g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	2	1.6g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, DARK GREEN	3	5.3g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, PINK	1	<0.1g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	1	0.4g
5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	5	7.3g
5	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	54	54.4g
5	4	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	11	14.7g
5	4	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	4	39.6g
5	4	NAIL	WIRE, CORRODED NAIL	3	32.4g
5	4	NAIL	WIRE, CORRODED NAIL FRAGMENT	7	111.6g
5	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	3	6.7g
5	4	HARDWARE	DECORATIVE HANGER, SCROLLED, CORRODED	1	100.5g
5	4	INDETERMINATE METAL OBJECT	INDETERMINATE METAL OBJECT	2	19.4g
5	4	INDUSTRIAL BY-PRODUCT	LEAD SPRUE	1	1.4g
5	4	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT	1	28.3g
5	4	INDETERMINATE SYNTHETIC OBJECT	FOOD WRAPPER (?)	1	<0.1g
5	4	INDETERMINATE SYNTHETIC OBJECT	CANDY WRAPPER (?), PINK	1	<0.1g
5	4	STRUCTURAL MATERIAL	TAR PAPER FRAGMENT	1	0.5g
5	4	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	1	1.0g
5	5	BODY SHERD	WHITEWARE, PLAIN	3	4.0g
5	5	BODY SHERD	PORCELAIN, UNDERGLAZE HANDPAINTED MONOCHROME, BLUE	1	0.4g
5	5	TOBACCO PIPE	STEM, 6/64 BORE DIAMETER, WHITE CLAY, MENDS (1)	2	1.9g
5	5	STRUCTURAL MATERIAL	SOFT-MUD MACHINE-MADE BRICK FRAGMENT	17	1860.7g
5	5	GLASS BASAL SHERD	MACHINE-MADE MANUFACTURE, OWENS MACHINE SCAR, COLORLESS BOTTLE FRAGMENT	4	27.1g
5	5	GLASS LIP SHERD	MACHINE-MADE MANUFACTURE, CROWN, COLORLESS BOTTLE FRAGMENT	1	17.5g
5	5	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "(-ED/), COLORLESS BOTTLE FRAGMENT	1	1.4g

Stratum	Level	Object	Description	Count	Weight
5	5	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/E-/", COLORLESS BOTTLE FRAGMENT	1	0.7g
5	5	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS	2	3.3g
5	5	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	6	10.8g
5	5	GLASS NECK SHERD	CONTACT MOLDED, COLORLESS BOTTLE FRAGMENT	1	3.3g
5	5	GLASS BASAL SHERD	CONTACT MOLDED, COLORLESS BOTTLE FRAGMENT	1	6.9g
5	5	GLASS BASAL SHERD	CONTACT MOLDED, LIGHT BLUE	1	2.5g
5	5	GLASS SHOULDER SHERD	CONTACT MOLDED, LIGHT BLUE BOTTLE FRAGMENT	1	4.3g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	74	136.2g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	14	18.7g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BLUE	6	8.1g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	2	2.3g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, DARK GREEN	2	1.8g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	1	6.4g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	2	4.3g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, RED	1	0.6g
5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHITE (OPAQUE)	1	0.6g
5	5	WINDOWPANE-FRAGMENT	PLATE GLASS, COLORLESS	4	6.2g
5	5	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.9g
5	5	INDETERMINATE GLASS	FLAT GLASS, LIGHT BLUE	1	2.5g
5	5	KITCHENWARE	SPOON FRAGMENT	1	23.3g
5	5	MISCELLANEOUS HOUSEHOLD OBJECT	CAN FRAGMENT	1	7.2g
5	5	NAIL	WIRE, CORRODED NAIL	2	33.8g
5	5	NAIL	WIRE, CORRODED NAIL FRAGMENT	1	4.6g
5	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	16	93.4g
5	5	STAPLE	CORRODED STAPLE FRAGMENT	1	9.7g
5	5	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	7	18.8g
5	5	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT	2	42.2g
5	5	SLAG	CINDER SLAG	7	62.9g
5	5	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT, BUTCHER MARKS (CUT)	1	0.7g
5	5	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC EPIPHYSIS FRAGMENT. GNAW MARKS (RODENT)	1	1.1g
5	6	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN	2	2.3g
5	6	RIM SHERD	WHITEWARE (IRONSTONE) CUP FRAGMENT, PLAIN, MENDS (2)	3	8.2g
5	6	HANDLE	PORCELAIN CUP FRAGMENT, PLAIN	1	0.9g
5	6	STRUCTURAL MATERIAL	BRICK FRAGMENT	7	31.7g
5	6	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	1	6.4g

Stratum	Level	Object	Description	Count	Weight
5	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHEEL ENGRAVED, COLORLESS	1	0.7g
5	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	2.6g
5	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	2	2.8g
5	6	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	1	<0.1g
5	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	8	68.8g
5	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	7	87.0g
5	6	SLAG	CINDER SLAG	2	6.4g
5	6	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	2	0.7g
5	6	SPECIMEN (UNWORKED)	BIRD, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	1	<0.1g
7	7	BODY SHERD	PEARLWARE, PLAIN	2	0.8g
7	7	STRUCTURAL MATERIAL	HAND FORMED BRICK FRAGMENT	5	1891g
7	7	GLASS BASAL SHERD	FREEBLOWN, GREEN WINE BOTTLE FRAGMENT	1	13.3g
7	7	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-E-/", COLORLESS BOTTLE FRAGMENT	1	2.0g
7	7	GLASS BASAL SHERD	CONTACT MOLDED, EMBOSSED BODY "/-E-/", COLORLESS BOTTLE FRAGMENT	1	4.9g
7	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
7	7	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	3	31.4g
7	7	FOOD REMAINS SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE FRAGMENT, BUTCHER MARKS, SAWN	1	8.3g
7	7	FOOD REMAINS SPECIMEN (UNWORKED)	INDETERMINATE BONE FRAGMENT	1	
10	8	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN	3	13.5g
10	8	BODY SHERD	REDWARE, UNIDENTIFIED, MENDS (2)	4	12.5g
10	8	BODY SHERD	COARSE BUFF-BODY, UNIDENTIFIED, CLEAR	1	6.9g
10	8	STRUCTURAL MATERIAL	BRICK FRAGMENT	4	83.3g
10	8	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT, POSSIBLE NAILS	3	81.2g
11	9	BODY SHERD	PORCELAIN, UNIDENTIFIED	1	<0.1g
11	9	GLASS NECK SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES, BLUE BOTTLE FRAGMENT	2	8.8g
11	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	1.0g
11	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	<0.1g
11	9	NAIL	HAND WROUGHT NAIL	1	19.1g
11	9	NAIL	INDETERMINATE MANUFACTURE, NAIL FRAGMENT	1	4.3g
11	9	INDETERMINATE METAL OBJECT	INDETERMINATE METAL OBJECT	2	10.6g
11	10	BODY SHERD	PEARLWARE, PLAIN	3	2.0g
11	10	BODY SHERD	PEARLWARE, HANDPAINTED, BLUE; PROBABLE SAME VESSEL AS SAMA-32553	3	2.0g
11	10	RIM SHERD	PEARLWARE, HANDPAINTED BLUE FLORAL PATTERN, CUP FRAGMENT, MENDS (1)	2	3.7g

Stratum	Level	Object	Description	Count	Weight
11	10	BODY SHERD	PEARLWARE, ANNULAR, BLUE	1	0.2g
11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	5.1g
11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); BLUE	7	4.0g
11	10	WINDOWPANE-FRAGMENT	INDETERMINATE, MANUFACTURE, LIGHT BLUE	4	1.2g
11	10	NAIL-FRAGMENT	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	12	47.7g
11	10	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	39.1g
11	10	FOOD REMAINS	BOS TAURUS, VERTEBRAL SPINE FRAGMENT, BUTCHER MARKS (CUT)	1	4.1g
11	11	BODY SHERD	REDWARE, BUCKLEY TYPE, CLEAR GLAZE	1	0.5g
11	11	BODY SHERD	PEARLWARE, PLAIN	1	0.5g
11	11	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, SLIP DECORATION (YELLOW), WHITE CLAY	1	1.4g
11	11	GLASS LIP SHERD	FREEBLOWN, COLORLESS DRINKING GLASS FRAGMENT	4	6.0g
11	11	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES), BLUE	1	1.2g
11	11	INDETERMINATE GLASS	GLASS NODULE COVERED WITH WHITE CORROSION, BROWN GLASS	1	31.4g
11	11	NAIL	HAND WROUGHT NAIL	2	27.1g
11	11	NAIL	HAND WROUGHT SPIKE FRAGMENT	2	59.0g
11	11	NAIL	INDETERMINATE MANUFACTURE, NAIL FRAGMENT	4	20.0g
11	11	SPECIMEN (UNWORKED)	BIVALVE, MYA ARENARIA	1	8.9g
11	11	SPECIMEN (UNWORKED)	RATTUS SP. FEMUR	1	0.5g
11	11	SPECIMEN (UNWORKED)	RATTUS SP. INOMINATE	1	0.3g
11	11	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC CERVICAL VERTEBRA	1	1.4g
11	11	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC VERTEBRA FRAGMENT	1	2.6g
11	11	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC FLAT BONE FRAGMENT	1	0.6g
13	11	STRUCTURAL MATERIAL	HAND FORMED BRICK FRAGMENT	10	1477g
13	11	NAIL	HAND WROUGHT, CORRODED NAILFRAGMENT	1	5.7g
13	11	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	3	15.7g
14	12	BODY SHERD	TIN ENAMEL, HANDPAINTED POLYCHROME, YELLOW/BROWN/RED	1	1.5g
14	12	RIM SHERD	CREAMWARE, EDGE-DECORATED, MOLDED	1	<0.1g
14	12	RIM SHERD	PEARLWARE JAR FRAGMENT, PLAIN	1	0.7g
14	12	STRUCTURAL MATERIAL	BRICK FRAGMENT	5	44.0g
14	12	GLASS BODY SHERD	MOLDED, COLORLESS	1	1.2g
14	12	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	6	17.4g
14	12	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	72.8g

Stratum	Level	Object	Description	Count	Weight
14	12	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT	2	26.8g
14	12	INDETERMINATE WOOD OBJECT	INDETERMINATE WOOD OBJECT	1	7.4g
14	12	SPECIMEN (UNWORKED)	BIVALVE, MYA ARENARIA	1	4.2g
14	12	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC FLAT BONE FRAGMENT, BUTCHER MARKS (CUT), GNAW MARKS	1	2.2g
14	12	SPECIMEN (UNWORKED)	FISH, UNDIAGNOSTIC VERTEBRAE	2	0.8g
14	12	SPECIMEN (UNWORKED)	FISH, UNDIAGNOSTIC BONE FRAGMENT	23	2.4g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS FEMUR	1	0.1g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS ULNA	1	0.1g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS RIB	1	<0.1g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS HUMERUS FRAGMENT	1	0.2g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS TIBIA FRAGMENT	1	<0.1g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS FEMUR-DISTAL EPIPHYSIS FRAGMENT	1	<0.1g
14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS FEMUR	1	<0.1g
14	12	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC FLAT BONE FRAGMENT	1	1.0g
14	12	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC BONE FRAGMENT	2	0.6g
				1206	

Table 4. Unit 4 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
7	7	BODY SHERD	WHITEWARE, PLAIN	1	0.2g
7	7	BODY SHERD	WHITEWARE (IRONSTONE), TRANSFER-PRINTED, BLUE	1	1.5g
7	7	BASAL SHERD	WHITEWARE (IRONSTONE) BOWL FRAGMENT, TRANSFER-PRINTED, BLUE	1	114.6g
7	7	BODY SHERD	DOMESTIC STONEWARE, ALBANY-SLIPPED	1	9.3g
7	7	TOBACCO PIPE	BOWL, MOLDED, WHITE CLAY	1	1.0g
7	7	STRUCTURAL MATERIAL	HAND FORMED BRICK-FRAGMENT	16	4108.0g
7	7	GLASS BODY SHERD	PRESS MOLDED, GRAPE CLUSTER MOTIF, PURPLE	1	5.8g
7	7	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ED-/", COLORLESS BOTTLE-FRAGMENT	1	3.8g
7	7	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY SCRIPT "/-A-/", COLORLESS BOTTLE-FRAGMENT	1	1.4g
7	7	GLASS SHOULDER SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ORCHESTER, MA"/, LIGHT BLUE BOTTLE-FRAGMENT	1	39.2g
7	7	GLASS BODY SHERD	MOLDED,COLORLESS	2	2.6g
7	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	6	7.6g
7	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN BOTTLE-FRAGMENT	1	5.7g

Stratum	Level	Object	Description	Count	Weight
7	7	GLASS BASAL SHERD	INDETERMINATE MANUFACTURE, GREEN BOTTLE-FRAGMENT	1	37.4g
7	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	8	138.7g
7	7	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC FLAT BONE -FRAGMENT, BUTCHER MARKS (CUT)	1	0.3g
7	8	TOBACCO PIPE	STEM, 6-64 BORE DIAMETER, WHITE CLAY	1	0.7g
7	8	STRUCTURAL MATERIAL	SOFT-MUD MACHINE MADE BRICK-FRAGMENT	1	262.2g
7	8	STRUCTURAL MATERIAL	HAND FORMED SAND STRUCK BRICK-FRAGMENT	4	281.4g
7	8	GLASS BASAL SHERD	MOLDED, COLORLESS	1	2.8g
7	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	1.8g
7	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.9g
7	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN BOTTLE-FRAGMENT	1	7.4g
7	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	39.8g
7	8	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	2	68.7g
10	8	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, SLIP DECORATION (YELLOW), WHITE CLAY	1	1.5g
10	8	TOBACCO PIPE	STEM, 4/64 BORE DIAMETER, WHITE CLAY	1	0.6g
10	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	4	99.4g
10	8	NAIL	HAND WROUGHT CORRODED NAIL	1	5.7g
11	9	BODY SHERD	REDWARE PLATTER FRAGMENT, LEAD GLAZED 2 SURFACES, CLEAR	1	15.9g
11	9	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT BLUE	3	5.3g
11	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	7	44.6g
11	9	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	3	57.9g
11	9	SPECIMEN (UNWORKED)	BOS TAURUS, CALCINEOUS FRAGMENT	1	43.9g
11	9	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS, TIBIA FRAGMENT	2	0.3g
11	9	SPECIMEN (UNWORKED)	MAMMAL, FEMUR FRAGMENT, MENDS (3)	4	5.8g
11	10	BODY SHERD	REDWARE, BUCKLEY TYPE	1	1.0g
11	10	BODY SHERD	COARSE BUFF-BODY, BORDER WARE-LIKE, CLEAR GLAZE	1	1.1g
11	10	BODY SHERD	CREAMWARE, PLAIN	2	0.5g
11	10	BODY SHERD	PEARLWARE, PLAIN	1	1.0g
11	10	BODY SHERD	PEARLWARE, HANDPAINTED, BLUE FLORAL PATTERN	1	3.0g
11	10	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	0.3g
11	10	RIM SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE CUP FRAGMENT, PLAIN	1	0.1g
11	10	BASAL SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	1.0g
11	10	RIM SHERD	WHITE SALT GLAZED STONEWARE CUP FRAGMENT, PLAIN	1	<0.1g
11	10	BODY SHERD	WESTERWALD/RAEREN STONEWARE, PLAIN	1	0.6g

Stratum	Level	Object	Description	Count	Weight
11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	3.9g
11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.4g
11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	5.1g
11	10	WINDOWPANE-FRAGMENT	INDETERMINATE, AQUA	2	1.2g
11	10	TOY	GLASS MARBLE, FREEBLOWN, BLUE AND COPPER SWIRLS	1	5.9g
11	10	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	22	98.3g
11	10	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	5	33.7g
11	10	SPECIMEN (UNWORKED)	SUS SCROFA MOLAR FRAGMENT, MENDS (1)	2	8.0g
11	10	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE FRAGMENT, GNAW MARKS (RODENT)	1	0.5g
11	10	SPECIMEN (UNWORKED)	BIRD, UNDIAGNOSTIC LONG BONE FRAGMENT	2	0.9g
14	12	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	0.9g
14	12	BODY SHERD	REDWARE, NORTH DEVON	2	4.8g
14	12	BODY SHERD	COARSE BUFF-BODY, UNIDENTIFIED	1	0.7g
14	12	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); GREEN	2	1.2g
14	12	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	8	49.5g
14	13	TOY	WHITE CLAY MARBLE FRAGMENT	1	0.7g
14	13	BUTTON	1 PIECE CAST, SIMILAR TO SOUTH TYPE 1	1	6.2g
16	9	BODY SHERD	PEARLWARE, TRANSFER-PRINTED, BLUE	1	0.9g
16	9	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN, UNIDENTIFIABLEMAKER'S MARK	1	1.4g
16	9	STRUCTURAL MATERIAL	HAND FORMED BRICK-FRAGMENT	37	2248.0g
16	9	GLASS BODY SHERD	MOLDED, COLORLESS	1	1.9g
16	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	4	4.2g
16	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	24.7g
16	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	27.2g
16	9	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	3	16.7g
19	11	RIM SHERD	REDWARE JAR FRAGMENT, ASTBURY, ENGINE TURNED	1	0.8g
19	11	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	14.6g
				209	

Artifacts from strata 7, 10, and 16 (a rodent burrow) represent deposition after the removal of the Derby Counting House in 1819. These strata were deposited in the early to mid-nineteenth century, as Stratum 10 contains buttons that have beginning production dates of 1837, and Stratum 7 contains embossed bottle fragments that date to about 1867, along with sherds of ironstone ceramics. The brick rubble deposit, dating to 1819 as it represents debris from the removal of the building, only contains artifacts with date ranges contemporary with

the occupation of the building, including English Brown stoneware, Westerwald stoneware, Border ware-like coarse buff-bodied ceramics, Buckley type redware, creamware, and pearlware. Additionally, all the brick fragments that bore evidence of manufacture were hand-molded; no machine-made bricks were present in the rubble fill, so the bricks are consistent with the artifact dates. Also contained within the rubble fill were numerous animal bones, including a butchered cow bone, pig bones, and several rat bones. Stratum 13, a lens within Stratum 11, did not contain temporally sensitive artifacts, but the presence of hand wrought nails and hand formed brick fragments is consistent with the deposition of Stratum 11. Stratum 14, representing the original soils at the site upon which the Derby Counting House was built, held interesting artifacts. Within Unit 1, representing the interior of the building, the ceramics from this stratum included a hand-painted polychrome tin enamel body sherd (Figure 42), creamware, and pearlware, which is consistent with a construction and occupational date for the structure beginning in 1765 and ending in 1819. Small animal bones were the most frequent artifact encountered in Stratum 14 within Unit 1 and included fish and Norway rat bones, possibly indicating that rats moved into the space under the Derby Counting House soon after it was erected. Contrastingly, no animal bones were recovered from Stratum 14 in Unit 4, representing soils on the exterior of the building foundation, although ceramics, such as a sherd of North Devon earthenware, are consistent with a mid-eighteenth-century date for the beginning of intensive use of this area.



Figure 42. Polychrome tin enamel sherd from Unit 1, Stratum 14, Level 12

Photograph by Andrew Sewell

Catalog # SAMA 32579

Units 6 and 7

Units 6 and 7 were excavated as two halves of a one by two meter excavation block, with Unit 6 representing the western half and Unit 7 the eastern half of the block. Units 6 and 7 were placed one meter north of Units 1 and 4, and Unit 10 was placed to connect Units 1 and 6. The two units were intended to test for the southern extension of Stratum 12, the presumed gravel subfloor, and if Stratum 27, the stone foundation, extended to the north. These two

units were excavated November 7–10. Strata 2, 4, and 5 were removed with the backhoe from the two units. The excavation datum for both units was placed 10 cm above ground surface at the southwest corner of Unit 6. All soil from strata below the twentieth-century fill was screened from these two units, and all artifacts from these strata were collected, with the exception of brick fragments from Strata 11/18, 12, and 20, which occurred in fairly high densities and was subjected to weighing and discard in the field. Stratigraphy observed in the three units was relatively uniform across the excavation, with the exception of Stratum 23 that interrupts the stratigraphy in Unit 7, discussed in more detail below. A flat stone similar to those encountered in Units 1 and 10 was present in the floor of Unit 6.

Table 5 lists the stratigraphy recorded for Units 1 and 4, depicted in the Harris matrix in Figure 43. Figure 44 shows the combined north profile of Units 6 and 7, and Figure 46 depicts the south profile of Unit 7. Figure 45 and Figure 47 are photographs of the combined north profile of Units 6 and 7 and the south profile of Unit 7, respectively.

Table 5. Stratigraphy within Units 6 and 7

Depths in this table represent the average depth of each stratum as it was recorded for the southwest corner of each unit from the Unit 6 datum (where applicable), and thus may not exactly match recorded depths recorded on field paperwork or the following profile.

Stratum	Average depth below Unit 6 Datum	Present within units	Notes
1	10 cm: Surface	6, 7	-
2	10–26 cm (strata 2 and 4 combined in profiles)	6, 7	Removed by backhoe
4		6, 7	Removed by backhoe
5	26–70 cm	6, 7	Removed by backhoe
8	70–72 cm	6, 7	Removed by backhoe
9	72–74 cm	6, 7	
10	74–79.5 cm	6, 7	Counting House period artifacts present
11/18	87–101 cm	6, 7	Brick rubble deposit
12	79.5–87 cm	6, 7	
14	113–133 cm	6, 7	
20	101–113 cm	6, 7	Soil fill directly above Stratum 14
23	70–157 cm	7	Possible posthole

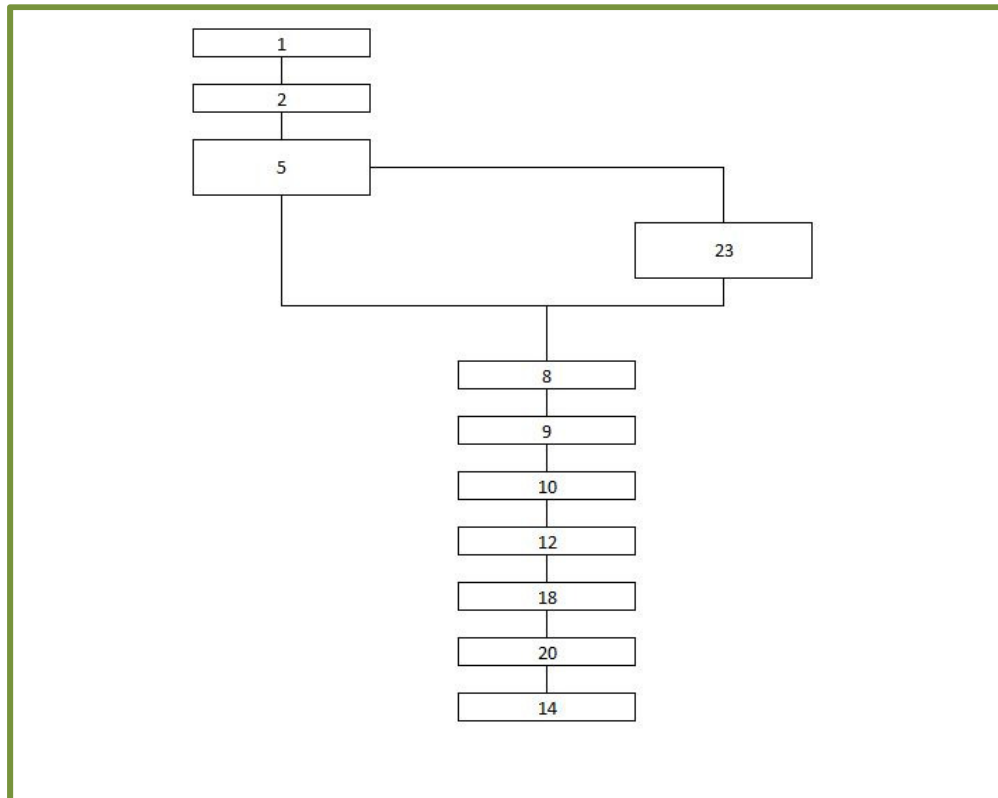


Figure 43. Harris Matrix for units 6 and 7

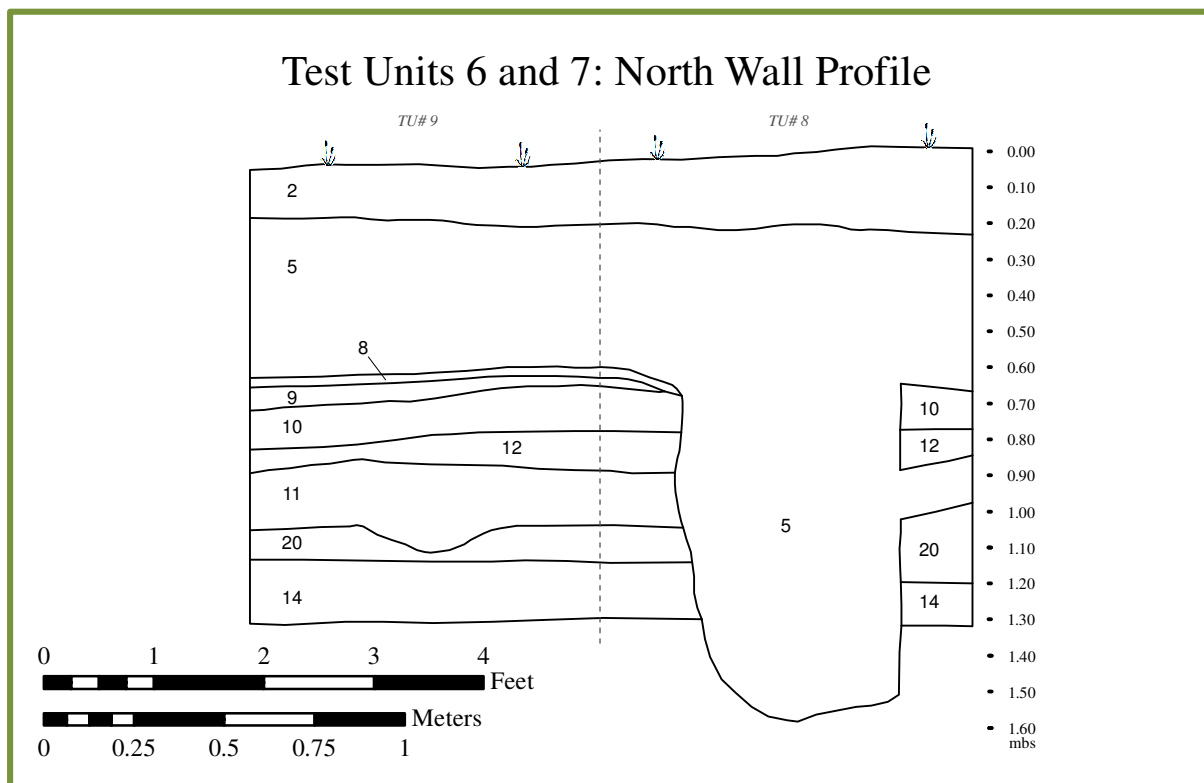


Figure 44. Units 6 and 7, north profile



Figure 45. Units 6 and 7 north profile photograph

Photograph by Andrew Sewell

This photograph illustrates the extreme depth of the probable posthole in Unit 7.

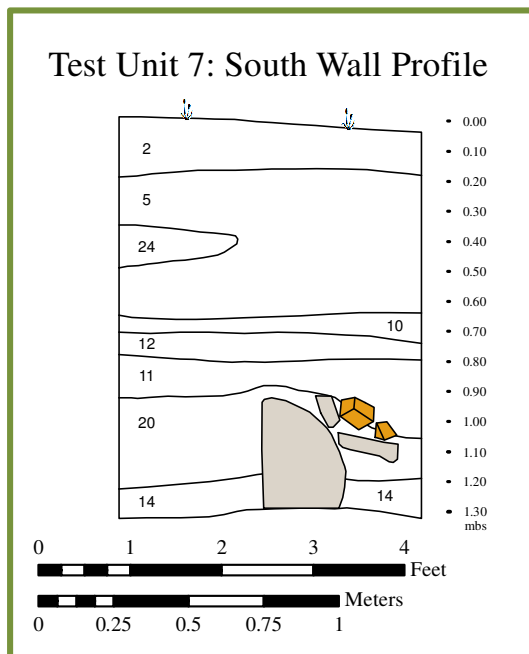


Figure 46. Unit 7, south profile



Figure 47. Unit 7 south profile photograph

Photograph by Andrew Sewell

Note the large stone extending into the unit from the south wall, which is in line with the foundation remnant in Unit 4 to the south.

Discussion

The stratigraphy within Units 6 and 7 shows a sequence of depositional events associated with the construction and removal of the Derby Counting House, natural processes, and the actions of the WPA and NPS in the twentieth century. There are four strata definitely associated with twentieth and twenty-first-century activity:

- Stratum 1, the surface of the site
- Stratum 2, a sod layer containing material from recent activity and earlier artifacts likely originating from recent excavations (including a utility line excavation and the excavation of Hartgen trenches 11 and 31)
- Stratum 4, a thin layer of fill dating from no earlier than the 1940s
- Stratum 5, a thick layer of gravelly fill deposited on the location ca. 1940, containing a high density of twentieth-century artifacts mixed with a lesser amount of nineteenth-century artifacts

Strata found in these two test units that probably are nineteenth century or earlier in origin include:

- Stratum 8, a thin layer of dark gravelly sand with lighter splotches and very low densities of nineteenth-century artifacts
- Stratum 9, a thin layer of light-colored gravelly sand with darker splotches that appeared to correspond with the lighter splotches in Stratum 8 directly above, with nineteenth-century artifacts
- Stratum 10, a thick layer of sandy loam showing reduction-oxidization staining and containing late eighteenth and early nineteenth-century artifacts
- Stratum 11/18, a layer of brick and mortar rubble with a sandy soil matrix
- Stratum 12, a compacted layer of small, waterworn cobbles and coarse sand
- Stratum 14, a very thick layer of clayey sand, likely representing naturally deposited material from tidal action
- Stratum 20, a dark fine sand present between the brick rubble and Stratum 14, possibly representing soil deposited while the Derby Counting House was occupied
- Stratum 23, the interface of a deep soil anomaly with Strata 5, 8, 9, 10, 11/18, 12, 14, and 20; possibly a large posthole whose original post was removed during the 1938 wharf renovations.

Stratum 6 was not present below Stratum 5, and Stratum 8 was determined to have been present but removed by the backhoe after the units were profiled. Stratum 9 was the first stratum excavated in both units. After cleaning the unit floor after the backhoe fill removal was completed, the archeologists determined that Stratum 9 did not extend across both units. Instead, Stratum 9 covered most of the northwestern portion of Unit 10, terminating along the northern wall of Unit 10 at about 18 cm from the northeast corner, with Stratum 10 present along the eastern and southern edges of the unit, extending into Unit 9 to about 30 cm east of the southwest corner of Unit 9. Stratum 9 was removed, exposing the rest of Stratum 10

below it. As with Units 2, 3, and 5, Stratum 10 capped Stratum 12, the presumed cobble subfloor. However, Stratum 12 was much less dense and compacted in this location, and what at first appeared to be a pocket of coarse sand and brick fragments was noted in the northwest corner of Unit 6. This soil stratum was assigned Harris Matrix number 18; subsequent analysis has determined that Stratum 18 correlates to Stratum 11 in Units 1 and 4. Stratum 12 was removed, revealing the thick brick rubble deposit of Stratum 11/18 below. Stratum 20 was identified beneath the rubble fill, consisting of a dark fine sand overlaying Stratum 14 at the base. Stratum 23, discussed below, interrupts the stratigraphic layers in the combined profile. Interestingly, strata 8, 9, and 11/18 do not continue to the east beyond Stratum 23. What appears to be a portion of Stratum 27, the stone foundation, extended into Unit 7 from its south wall. A large rock with a flat surface on its eastern face was present sticking out of the south wall, in line with the stone foundation in Unit 4. However, the affiliation of this stone with Stratum 27 was not verified through further excavations.

A large soil anomaly, Stratum 23, was identified in Unit 7, and was first noted at 80 cmbed after removing a thin layer of remaining fill from Stratum 5. Although appearing somewhat irregular in plan view and thus initially interpreted as a rodent hole, as excavation progressed and the profile of the anomaly was examined in the north wall of the unit, it became evident that Stratum 23 represented some type of human-created feature. The anomaly became narrower as it went deeper, sloping to the north. The base of the anomaly was not excavated due to extreme depth, but a soil probe indicated that it extended another 15 cm past the base of excavations at 157 cmbed. In profile, the anomaly was 60 cm wide east-west, with an incredibly straight eastern edge (Figure 44, Figure 45). The plan view of the anomaly shows it retained its east-west width, but gradually decreased in measurement with depth along the north-south axis, starting at one meter at the top and ending at about 40 cm at the base (Figure 40, Figure 48). A probable rodent hole extended from the east edge of Stratum 23 and continued out of the unit; this rodent hole was located below Stratum 12. Stratum 23 cuts through Strata 8, 9 10, 12, 18, 20, and 14 (in that order), and its matrix consisted solely of Stratum 5 material. None of the material from Stratum 23 was screened or collected, per the excavation protocol in place during the November fieldwork. However, a bottle base bearing an Illinois Glass Company mark, dating from 1916 to 1929, was produced from near the base of Stratum 23 within the excavation unit (Toulouse 191: 265).

The purpose of Stratum 23 is unknown, but it strongly resembles a large posthole. If this interpretation is correct, then the post was placed after the Derby Counting House was removed, as the anomaly interfaces with soil strata that post-date the 1819 removal, such as Strata 11/18, the brick rubble. The post appears to have been removed during the 1938 wharf renovations, possibly hit during grading of the site, and the hole subsequently filled during the placing of Stratum 5 over the site area as part of bringing the location up to grade. The location of the anomaly near the southeastern corner of the Derby Counting House, its size, and the fact that it post-dates the building demolition, implies that the anomaly could represent the posthole for one of the granite markers commission to help delineate lot boundaries on the wharf after the removal of the Derby Counting House. The recorded dimensions of the two posts placed at the request of Elias Hasket Derby's heir, Richard, are an approximate match for the size of the possible posthole: "one foot square and three feet long with a cross upon the top six inches under ground upon the northeast and southeast corners of said store lot" (Essex Registry of Deeds Deed Book 478, p. 93, quoted in Snell 1974: 80). The English measurements for Stratum 23, from the base of Stratum 5 to the base

of excavations, are approximately 1.5 feet east-west by a maximum of 3 feet north-south, and is a little over 3.5 feet deep as it appears in the unit.



Figure 48. Units 6 and 7 plan view photograph, facing north

Photograph by Andrew Sewell

This photograph shows the probable posthole at the base of excavations in unit 7. The posthole at its base was about half as narrow as it was when first noted at the bottom of Stratum 5.

Artifacts

No artifacts from the modern fill deposits or brick fragments from rubble deposits were collected or cataloged from Units 6 and 7. A total of 85 artifacts were cataloged from Unit 6, and 163 artifacts from Unit 7, for a total of 248 artifacts from both units. A total of 99 pounds of brick fragments were recorded for Unit 6, including 2 pounds from Stratum 12 and 97 pounds from Stratum 11/18. Unit 7 had a total of 10 pounds of brick, including 8 pounds from Stratum 11/18 and 2 pounds from Stratum 20. The total combined brick weight for the two units was 109 pounds, with 2 pounds from Stratum 12, 105 pounds from Stratum 11/18, and 2 pounds from Stratum 20. Table 6 presents the cataloged artifacts from Unit 6, followed by Table 7 with the cataloged artifacts from unit 7. A brief discussion of the artifacts from these two units follows the tables.

Table 6. Unit 6 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
9	2	BODY SHERD	PEARLWARE, PLAIN	1	0.3g
9	2	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, BLUE, MOLDED	1	0.6g
9	2	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	0.2g

Stratum	Level	Object	Description	Count	Weight
9	2	GLASS BODY SHERD	FREEBLOWN, GREEN BOTTLE-FRAGMENT	1	3.4g
9	2	INDETERMINATE METAL OBJECT	INDETERMINATE METAL OBJECT	1	0.6g
10	3	BODY SHERD	REDWARE, PLAIN	6	9.2g
10	3	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR)	6	19.2g
10	3	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR)	1	3.7g
10	3	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), MENDS (4)	5	32.9g
10	3	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: BROWN INTERIOR, BLACK EXTERIOR	1	0.4g
10	3	BODY SHERD	CREAMWARE, PLAIN	4	1.6g
10	3	RIM SHERD	CREAMWARE, PLAIN	1	0.5g
10	3	BASAL SHERD	PEARLWARE, PLAIN	1	2.0g
10	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	<0.1g
10	3	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	1.7g
10	3	GLASS LIP SHERD	INDETERMINATE MANUFACTURE, COLORLESS, DRINKING GLASS-FRAGMENT	1	1.6g
10	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	<0.1g
10	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	1.0g
10	3	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	<0.1g
10	3	BUTTON	1 PIECE STAMPED, FLORAL DESIGN ON FACE: CENTRAL FLOWER WITH RING OF 12 SURROUNDING FLOWERS, BACK MARK "/IMPERIAL STANDARD/"	1	0.9g
10	3	COAL	COAL	3	3.4g
12	4	GLASS LIP SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
12	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
12	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.6g
12	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	1	5.1g
12	4	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	1.0g
14	8	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), GREEN; MENDS (1), CROCK-FRAGMENT	2	109.0g
14	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	1.2g
14	8	NAIL	INDETERMINATE CORRODED NAIL-FRAGMENT	9	66.0g
14	8	SPECIMEN (UNWORKED)	FISH, UNDIAGNOSTIC CRANIUM-FRAGMENT	1	1.3g
14	8	SPECIMEN (UNWORKED)	CF. OVIS/CAPRA, UNDIAGNOSTIC HUMERUS, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	1	5.1g
14	9	BASAL SHERD	REDWARE, LEAD GLAZED 2 SURFACES	1	123.9g
18	5	GLASS NECK SHERD	FREEBLOWN, GREEN BOTTLE-FRAGMENT	1	5.0g
18	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BLUE	2	1.0g
18	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT AQUA	1	6.3g

Stratum	Level	Object	Description	Count	Weight
18	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	26.7g
20	6	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
20	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	9	92.3g
20	7	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	1	1.9g
20	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	20.5g
20	7	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	2.8g
				85	

Table 7. Unit 7 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
9	2	BODY SHERD	PORCELAIN, UNDERGLAZE HANDPAINTED POLYCHROME (FLORAL DESIGN; GREEN, PURPLE)	1	<0.1g
9	2	STRUCTURAL MATERIAL	BRICK-FRAGMENT	7	31.4g
9	2	GLASS BODY SHERD	CONTACT MOLDED, LIGHT AQUA	1	2.4g
9	2	GLASS SHOULDER SHERD	CONTACT MOLDED, LIGHT BLUE BOTTLE-FRAGMENT	1	1.3g
9	2	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.9g
9	2	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	1.2g
9	2	BOTTLE CLOSURE	CROWN, CORRODED CAP-FRAGMENT	1	3.6g
9	2	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	3	11.3g
10	2	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	5.0g
10	2	BODY SHERD	CREAMWARE, PLAIN	1	0.5g
10	2	STRUCTURAL MATERIAL	BRICK-FRAGMENT	9	45.3g
12	3	BODY SHERD	PEARLWARE, PLAIN	17	8.7g
12	3	STRUCTURAL MATERIAL	BRICK	18	78.9g
12	3	GLASS BODY SHERD	MOLDED, INDETERMINATE MAUFACTURE, COLORLESS	1	1.5g
12	3	GLASS BODY SHERD	MOLDED, INDETERMINATE MANUFACTURE, LIGHT BLUE	2	1.8g
12	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	0.9g
12	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	<0.1g
12	3	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT AQUA	1	0.2g
12	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	23.2g
14	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	8	25.4g
14	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	19.9g

Stratum	Level	Object	Description	Count	Weight
14	9	BODY SHERD	REDWARE, BUCKLEY TYPE	1	2.6g
14	9	STRUCTURAL MATERIAL	BRICK-FRAGMENT	7	14.9g
14	9	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.6g
14	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	13.0g
18	4	BODY SHERD	CREAMWARE, PLAIN	3	1.0g
18	4	RIM SHERD	CREAMWARE, PLAIN, PLATE-FRAGMENT	1	1.1g
18	4	GLASS LIP SHERD	PRESS MOLDED, COLORLESS, TUMBLER-FRAGMENT	1	3.2g
18	4	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	1	1.3g
18	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); COLORLESS; MENDS (1)	2	12.7g
18	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	2	0.4g
18	4	INDETERMINATE GLASS	FLAT GLASS, DARK AQUA	1	0.4g
18	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	10	74.7g
18	5	BASAL SHERD	PEARLWARE, PLAIN	1	0.8g
18	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	2.2g
18	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	1	0.5g
18	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	43.4g
20	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, GREEN	1	1.4g
20	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	1.5g
20	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: GREEN INTERIOR, BLACK EXTERIOR	1	0.8g
20	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	3.4g
20	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	1.6g
20	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	18	208.8g
20	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	4	121.4g
20	7	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	1.1g
20	7	BODY SHERD	PEARLWARE, PLAIN	1	1.0g
20	7	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	0.9g
20	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	34.6g
				163	

Artifacts from these two units were fairly similar in content to units 1 and 4 to the south. One exception is the material from Stratum 20, which did not extend into Units 1 and 4. The artifacts from this stratum may represent material that accumulated during the occupation of the Derby Counting House, and includes broken window glass, nail fragments, lead-glazed redware, and a sherd of pearlware.

Unit 10

Unit 10 was placed to connect Units 1 and 6, with Unit 1 to the south and Unit 6 to the north. This unit was excavated November 9 and 10, 2012. The backhoe removed the fill Strata 2, 4, and 5, with the remaining strata excavated by hand. The excavation datum for all three units was placed 10 cm above ground surface at the southwest corner of the unit. All soil from strata below the twentieth-century fill was screened from the unit, and all artifacts from these strata were collected, with the exception of brick fragments from Strata 11, which occurred in high densities and were subjected to weighing and discard in the field. A flat stone similar to those encountered in Units 1 and 6 was present in the floor of Unit 10 (Figure 41).

Table 8 lists the stratigraphy recorded for Units 1 and 4, depicted in the Harris matrix in Figure 49. The west profile of unit 10 is depicted as part of Figure 35, and Figure 50 shows the east profile of Unit 10. Figure 38 and Figure 51 are photographs of the west and east profiles of Unit 10, respectively.

Table 8. Stratigraphy within Unit 10

Stratum	Depth below Unit 10 Datum	Notes
1	10 cm: Surface	-
2	10–24cm (strata 2 and 4 combined in profiles)	Removed by backhoe
4		Removed by backhoe
5	24–70 cm	Removed by backhoe
10	70–76 cm	
11	81–101 cm	Brick rubble deposit
12	76–81 cm	
14	105–115 cm	
20	101–105 cm	Soil fill directly above Stratum 14

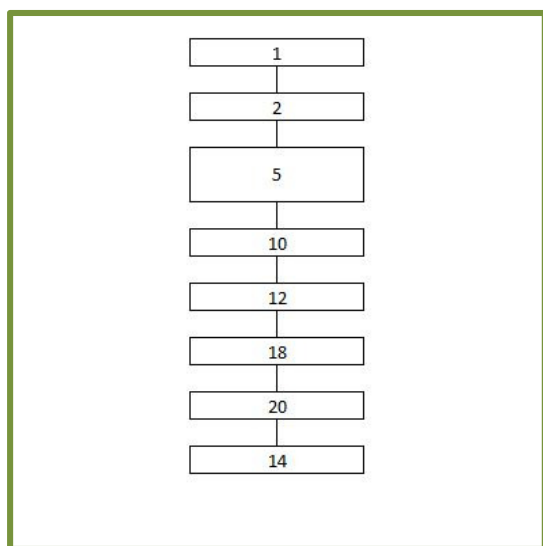


Figure 49. Harris matrix for Unit 10

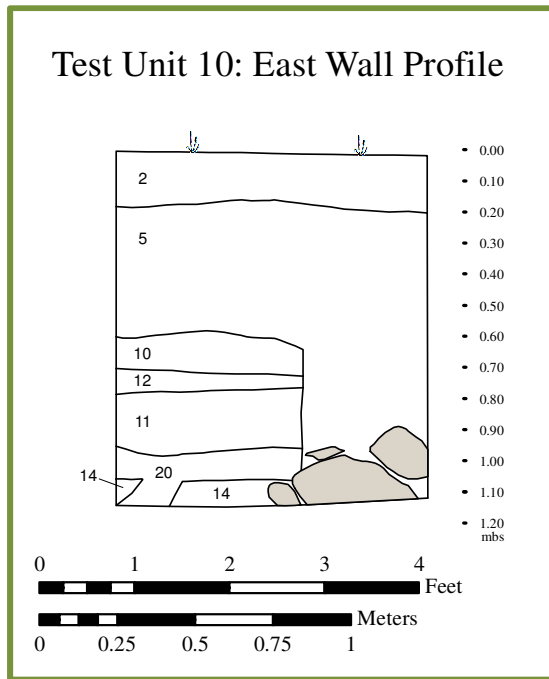


Figure 50. Unit 10 east wall profile



Figure 51. Unit 10 east profile photograph

Photograph by Terry Glaze

The photograph clearly shows Stratum 5 interfacing with the stones in the foundation, with a clear break in the nineteenth-century deposits above the brick rubble and where a stone was probably removed during the 1938 wharf renovations.

Discussion

The stratigraphy within Unit 10 shows a sequence of depositional events associated with the construction of the Derby Counting House, natural processes, and the actions of the WPA and NPS in the twentieth century. There are four strata definitely associated with twentieth and twenty-first-century activity:

- Stratum 1, the surface of the site
- Stratum 2, a sod layer containing material from recent activity and earlier artifacts likely originating from recent excavations (including a utility line excavation and the excavation of Hartgen trenches 11 and 31)
- Stratum 4, a thin layer of fill dating from no earlier than the 1940s
- Stratum 5, a thick layer of gravelly fill deposited on the location ca. 1940, containing a high density of twentieth-century artifacts mixed with a lesser amount of nineteenth century artifacts

Strata found in this unit that are nineteenth century or earlier in origin include:

- Stratum 10, a thick layer of sandy loam showing reduction-oxidization staining
- Stratum 11/18, a layer of brick and mortar rubble with a sandy soil matrix
- Stratum 12, a compacted layer of small, waterworn cobbles and coarse sand

- Stratum 14, a very thick layer of clayey sand, likely representing naturally deposited material from tidal action
- Stratum 20, a dark fine sand present between the brick rubble and Stratum 14, possibly representing soil deposited while the Derby Counting House was occupied

Of interest is that certain strata are not documented in this unit that were present in Unit 1 or unit 6, on either side of Unit 10. These strata include Stratum 13, which was an inclusion within Stratum 11 in Unit 1 that appeared to go into the north wall of Unit 1; and Strata 8 and 9, which appeared to continue past the southwest corner during the excavation of Unit 6, but coincidentally terminated at the same point as the junction of Units 6 and 10.

The east and west profiles of Unit 10 differ from each other in that some large stones were noted emerging from the southeast corner, possibly associated with Stratum 27, the stone foundation in Unit 4; further excavation would be required to confirm the association. Interestingly, the east profile also revealed a possible pit or trench dating to the 1938 renovation period, indicated by a straight-sided cut into Strata 10, 12, 18, and 20, terminating at the stones in the wall. This cut contained Stratum 5 as matrix, but was only present in the eastern wall; the cut did not extend into Unit 10 and was not observed during excavation. Stratum 5 matrix material has also filtered down into some of the spaces between the stones, and a small void is present below the largest stone in the eastern profile. A possible explanation for this cut is that it represents where a stone was removed in the 1938 renovations, and the hole left behind filled in with Stratum 5 when that material was brought in to raise the grade of the location.

Artifacts

No artifacts from the modern fill deposits or brick fragments from rubble deposits were collected or cataloged from Unit 10. A total of 123 artifacts were cataloged from Unit 10. A total of 213 pounds of brick fragments were recorded for Unit 10, including 2 pounds from Stratum 10, 2 pounds from Stratum 12 and 116 pounds from Stratum 11/18. Table 9 presents the cataloged artifacts from Unit 10, followed by a brief discussion of the artifacts.

Table 9. Unit 10 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
10	1	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE (EXTERIOR)	2	0.6g
10	1	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	0.7g
10	1	RIM SHERD	TIN ENAMEL, DELFT	1	<0.1g
10	1	BODY SHERD	CREAMWARE, PLAIN, MEND (1)	3	1.2g
10	1	BODY SHERD	PEARLWARE, PLAIN	1	0.2g
10	1	RIM SHERD	PEARLWARE, SHELL-EDGED, BLUE SCALLOPED RIM, PLATE	1	0.8g
10	1	BODY SHERD	PEARLWARE, OTHER (MOCHA); BROWN, BLUE, MENDS (7), CROSSMENDS (3 TO SAMA-32953), MUG	8	6.0g
10	1	RIM SHERD	PEARLWARE, OTHER (MOCHA)MENDS (3), CROSSMENDS (3 TO SAMA-32952), MUG	4	4.9g
10	1	INDETERMINATE GLASS	FLAT GLASS, LIGHT AQUA	1	<0.1g
10	1	NAIL	INDETERMINATE CORRODED NAIL-FRAGMENT	2	38.5g

Stratum	Level	Object	Description	Count	Weight
10	1	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT, POT POLISH, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	1	3.6g
10	1	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC, LONG BONE SHAFT, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	5	5.5g
11	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); BLUE	1	0.3g
11	3	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	3	3.0g
11	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	7	43.5g
11	4	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	1.0g
11	4	BODY SHERD	ENGLISH BROWN STONEWARE, BROWN-SLIPPED INTERIOR	1	4.9g
11	4	LIP SHERD	FREEBLOWN, COLORLESS, DRINKING GLASS	1	1.3g
11	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); BLUE	3	3.3g
11	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, BLUE	5	3.1g
11	4	LIGHTING FIXTURE	LAMP CHIMNEY FRAGMENTS, AQUA	2	<0.1g
11	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	19	116.1g
11	4	BOLT	INDETERMINATE MANUFACTURE, SQUARE WASHER ATTACHED, CORRODED	1	28.6g
11	4	SLAG	SLAG	4	42.3g
14	6	RIM SHERD	REDWARE, MANGANESE MOTTLED, JAR	1	1.9g
14	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	16.6g
14	6	SPECIMEN (UNWORKED)	IMMATURE BOS TAURUS, TIBIA, PROXIMAL EPIPHYSIS, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	2	53.0g
20	5	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR)	1	3.5g
20	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BROWN	1	4.2g
20	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	8.4g
20	5	GLASS BODY SHERD	FREEBLOWN, GREEN	1	0.9g
20	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	2	1.4g
20	5	LIGHTING FIXTURE	LAMP CHIMNEY FRAGMENT, AQUA	1	<0.1g
20	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED SPIKE	1	220.2g
20	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	29	222.2g
20	5	SPECIMEN (UNWORKED)	ARTIODACTYLA SP. METACARPAL/METATARSAL, DISTAL EPIPHYSIS. GNAW MARKS (CARNIVORE), BONE-FRAGMENT	1	2.3g
20	5	SPECIMEN (UNWORKED)	BIRD, UNDIAGNOSTIC, LONG BONE SHAFT, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	2	0.6g
				123	

Artifact content in unit 10 was much the same as in Units 1 and 6. A sherd of English Brown stoneware illustrates the occurrence of artifacts contemporary with the occupation of the

Derby Counting House in Stratum 11, the brick rubble (Figure 52). Of note is the recovery of lamp chimney glass, the only unit where this artifact type occurs. The significance of this location in relation to lamps is unknown, although one of the fragments was recovered from Stratum 20, which may represent soil accumulated over the occupational span of the building.



Figure 52. English Brown stoneware body sherd from Unit 10, Stratum 11

Photograph by Andrew Sewell

Catalog # SAMA 32962

Units 2, 3 and 5

Unit 2 was initially placed to intercept a GPR anomaly interpreted as the possible eastern foundation of the building at grid point 15 east, 8 north. Unit 3 was expanded off of the eastern wall of Unit 2, and Unit 5 was placed on the western wall of Unit 2, to form a three-meter trench exposing the cobble subfloor of the structure, initially encountered at the base of Unit 2. Excavation of these units began on August 21 and was completed August 23. The excavation datum for all three units was placed 10 cm above ground surface at the southwest corner of Unit 2. All soil was screened from these three units. Stratigraphy observed in the three units was relatively uniform across the excavation. However, Unit 3 did exhibit differences from Units 2 and 5, as the cobble deposit (Stratum 12) ended abruptly in Unit 3, indicating a possible eastern boundary to the building, and a large, modern rodent hole was present in the eastern half of this unit as well.

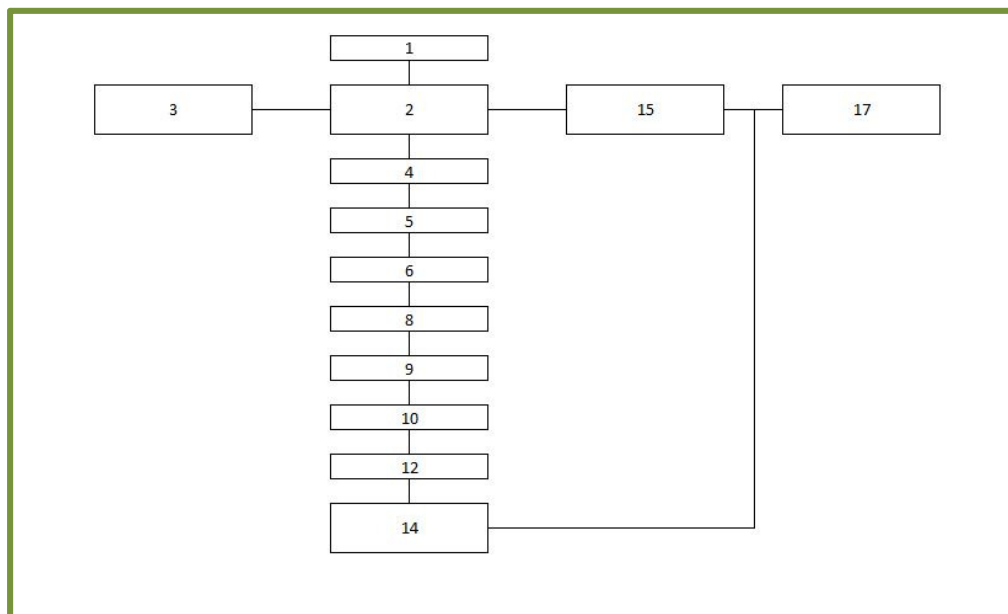
Table 10 summarizes the stratigraphy of all three units, depicted in the Harris matrix in Figure 53 (refer to Table 1 for stratum descriptions). Figure 54 shows the combined north wall profile for units 2, 3, and 5.

Figure 55 through Figure 57 are photographs of the north profiles of Units 2, 3, and 5 respectively, and Figure 59 is a photograph of the east profile of Unit 3. Figure 60 is the plan view of Units 2, 3, and 5. Figure 61 shows the photographic plan view of Units 2 and 3.

Table 10. Stratigraphy within Units 2, 3, and 5

Depths in this table represent the average depth of each stratum as it was recorded for the southwest corner of each unit from the Unit 2 datum (where applicable), and thus may not exactly match depths recorded on field paperwork or the following profile.

Stratum	Average depth below Unit 2 Datum	Present within units	Notes
1	Surface	2, 3, 5	-
2	8.6–15 cm	2, 3, 5	Mixture of modern and 19th-century artifacts
3	11–13 cm	2, 3	Cement lens within Stratum 2
4	15–20.6 cm	2, 3, 5	Thin gravely sand fill with bottle glass, plastic, large cobbles
5	20.6–56.3 cm	2, 3, 5	Thick, compacted modern gravely sandy loam fill, high density of artifacts from ca. 1850s–1940
6	56.3–61 cm	2, 3, 5	Thin layer of fine sand with 19th century artifacts
8	61–64.3 cm	2, 3, 5	No artifacts within Units 2 and 5
9	64.3–69.6 cm	2, 3, 5	No artifacts within Units 2 and 5
10	69.6–83 cm	2, 3, 5	Early nineteenth century artifacts present
12	83 cm	2, 3, 5	Cobble deposit; data from Unit 3 suggests about 5 cm thick
14	60–126 cm	3	Counting house period artifacts present in upper levels of stratum
15	75–85 cm	3	Rodent disturbance
17	92–126 cm	3	Recently active rodent burrow


Figure 53. Harris matrix for units 2, 3, and 5

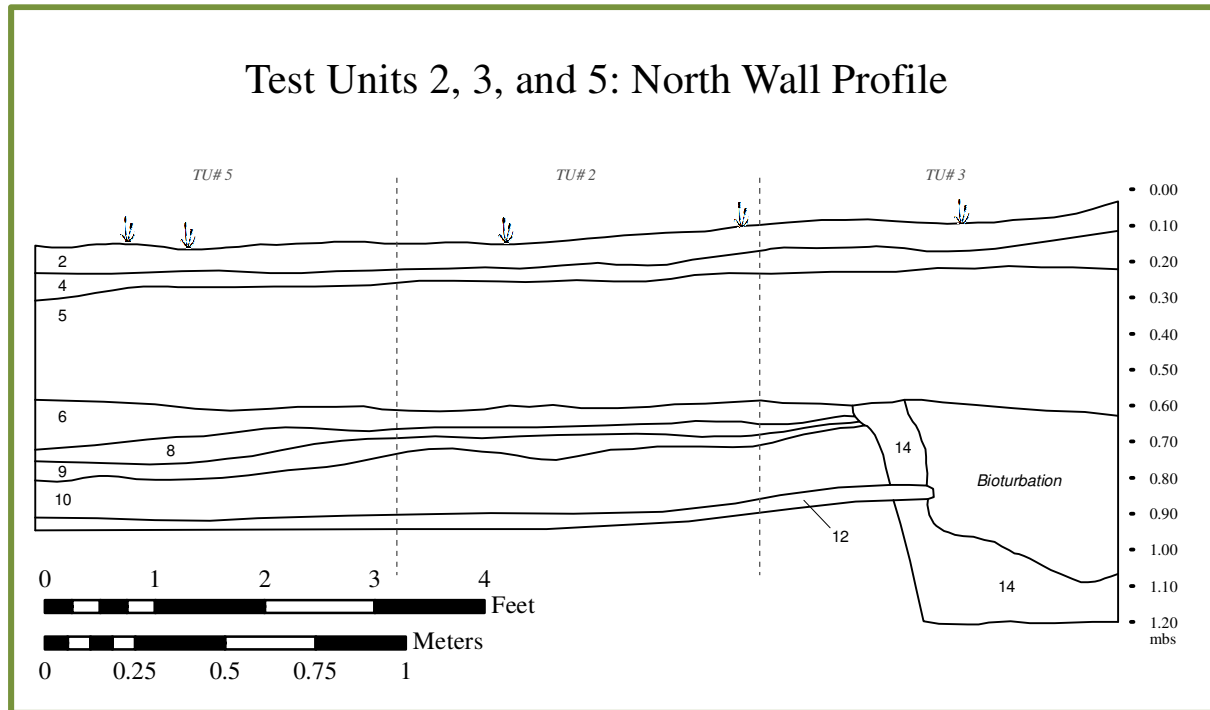


Figure 54. Combined north wall profile of units 2, 3, and 5



Figure 55. Unit 2 north profile photograph
Photograph by Anne Lee



Figure 56. Unit 3 north profile photograph

Photograph by Anne Lee



Figure 57. Unit 5 north profile photograph

Photograph by Anne Lee

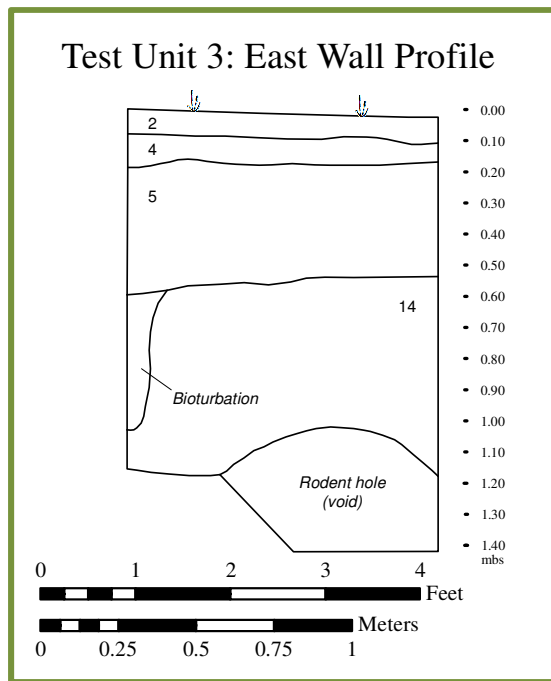


Figure 58. East wall profile of unit 3



Figure 59. Unit 3 east profile photograph

Photograph by Anne Lee

This photograph shows the open void of the modern rodent burrow in this unit.

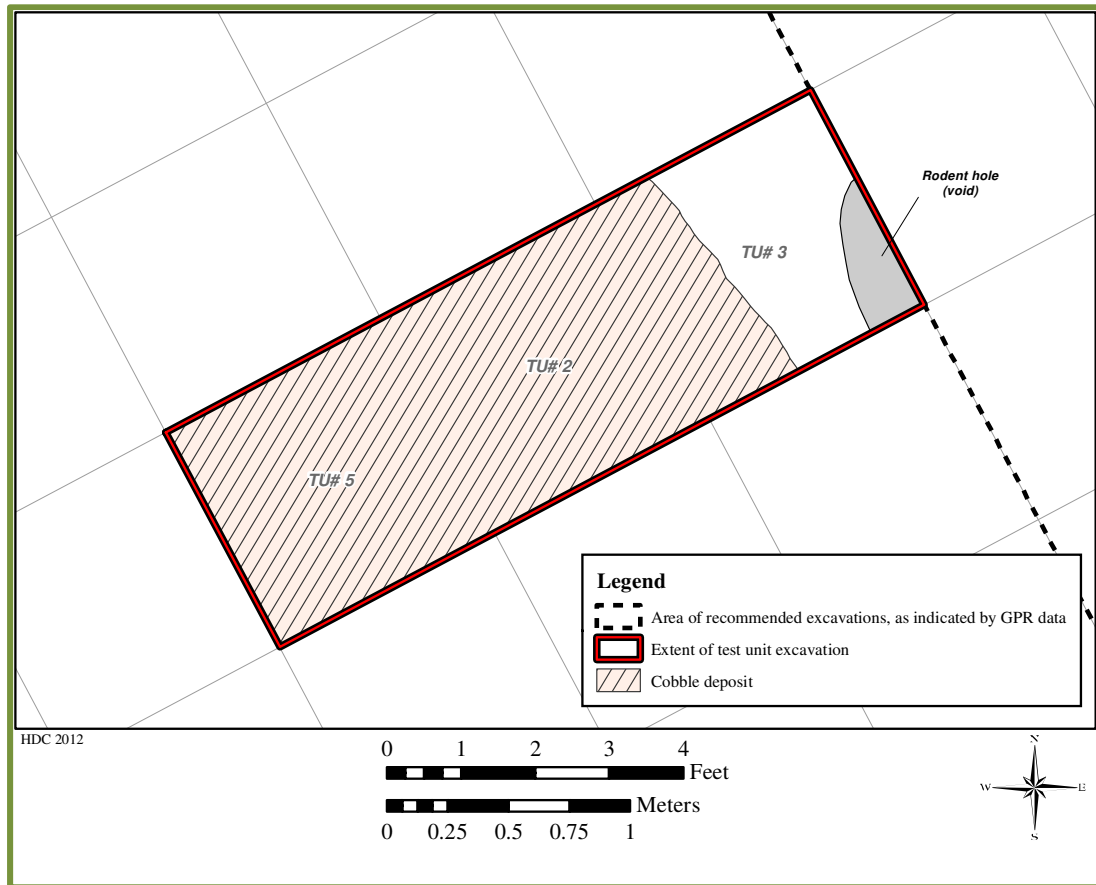


Figure 60. Units 2, 3, and 5 plan view



Figure 61. Units 2 and 3, final plan view photograph, facing south

Photograph by Anne Lee

This photograph shows the open void of the modern rodent burrow and the abrupt end of Stratum 12 in unit 3 (left side of image).

Discussion

The stratigraphy within Units 2, 3, and 5 shows a sequence of depositional events associated with the construction of the Derby Counting House, natural processes, and the actions of the WPA and NPS in the twentieth century. There are five strata definitely associated with twentieth and twenty-first-century activity:

- Stratum 1, the surface of the site
- Stratum 2, a sod layer containing material from recent activity and earlier artifacts likely originating from recent excavations (including a utility line excavation and the excavation of Hartgen trenches 11 and 31)
- Stratum 4, a thin layer of fill dating from no earlier than the 1940s
- Stratum 5, a thick layer of gravelly fill deposited on the location ca. 1940, containing a high density of twentieth-century artifacts mixed with a lesser amount of nineteenth-century artifacts
- Stratum 17, a recently active rodent hole with modern plastic strips contained within Stratum 14 (Stratum 15 may be related to Stratum 17 as well)

Strata found in these three test units that are nineteenth century or earlier in origin include:

- Stratum 6, a thin layer of dark fine sand with nineteenth-century artifacts, directly below Stratum 5
- Stratum 8, a thin layer of dark gravelly sand with lighter splotches and very low densities of nineteenth-century artifacts
- Stratum 9, a thin layer of light-colored gravelly sand with darker splotches that appeared to correspond with the lighter splotches in Stratum 8 directly above
- Stratum 10, a thick layer of sandy loam showing reduction-oxidization staining and containing late eighteenth and early nineteenth-century artifacts
- Stratum 12, a compacted layer of small, waterworn cobbles and coarse sand, interpreted during excavations as the possible cobble subfloor identified by Hartgen & Associates (Stull 2004)
- Stratum 14, a very thick layer of clayey sand, likely representing naturally deposited material from tidal action

The intact historical deposits all appear to have some relation to the posited cobble subfloor (Stratum 12). First, it appears that the building location was excavated into Stratum 14, which is first present within Unit 3 at a depth about 25 cm above the cobble surface. Stratum 14 interfaces with Stratum 5 in the eastern half of Unit 3, which means that the original excavation depth for the subfloor into Stratum 14 cannot be determined, as an unknown amount of Stratum 14 was likely removed in the 1930s. Second, Strata 6, 8, 9, and 10 all appear to have accumulated over the cobble surface. Originally, Stratum 12 was thought to represent the cobble subfloor of the Derby Counting House, an interpretation first developed by Stull (2004) when the stratum was encountered in a Hartgen & Associates test trench. Based on this hypothesis, and the presence of Stratum 14 beneath Stratum 12 in Unit 3, the archaeologists did not remove Stratum 12 in Units 2, 3, and 5. Instead, they chose to preserve

it in place for future investigations. Subsequent excavations in November 2012 revealed that Stratum 12 may in fact represent the gravel fill brought in to level out the site after the building was removed in 1819. Oddly, the gravel does not appear to have been sufficient to fill up the building location, as about eight inches of space would have existed between the top of the cobble surface and the top of the original building excavation. Strata 10 may then represent additional material brought in when the 15 wagonloads of gravel proved insufficient.

Artifacts

All artifacts from Units 2, 3, and 5 were collected in the field, but only the artifacts from below Stratum 5 were cataloged. Thirty-seven artifacts were cataloged from Unit 2, with an estimated 953 artifacts in the uncataloged fill deposits. A total of 163 artifacts were recovered from the strata below the modern fill in Unit 3, with 922 artifacts estimated from Strata 2, 4, and 5. Unit 5 had 53 artifacts cataloged from Strata 6 and 10, with 527 artifacts estimated for the modern fill. In total, 253 artifacts were cataloged from strata below the modern fill in these three units, with an estimated total of 2,402 artifacts from the modern fill. Table 11 through Table 12 present the cataloged artifacts for Units 2, 3, and 5, followed by a brief discussion of the artifacts.

Table 11. Unit 2 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
6	8	RIM SHERD	CREAMWARE, PLAIN	1	0.5g
6	8	BODY SHERD	PEARLWARE, TRANSFER-PRINTED, PURPLE	1	1.2g
6	8	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	<0.1g
6	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	6	25.8g
6	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	1	0.4g
6	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	0.8g
6	8	BUTTON	2 PIECE STAMPED FRAGMENT	1	1.0g
6	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	18.6g
6	8	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	26.7g
10	11	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES	1	4.9g
10	11	RIM SHERD	TIN ENAMEL, UNIDENTIFIED	1	0.7g
10	11	STRUCTURAL MATERIAL	HAND FORMED BRICK FRAGMENT	8	428.9g
10	11	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	4	2.8g
10	11	BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.4g
10	11	NAIL	HAND WROUGHT COPPER BRAD	2	4.9g
10	11	INDETERMINATE METAL OBJECT	COPPER DISC (POSSIBLE TOKEN), CORRODED	1	6.2g
10	11	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	2	58.7g
				37	

Table 12. Unit 3 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
6	6	BODY SHERD	UNIDENTIFIED EARTHENWARE BODY SHERD	2	2.1g
6	6	BODY SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE	2	0.9g
6	6	RIM SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE	1	0.4g
6	6	BODY SHERD	DOMESTIC STONEWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN; SALT GLAZED 1 SURFACE (EXTERIOR)	2	11.0g
6	6	STRUCTURAL MATERIAL	BRICK-FRAGMENT	3	8.3g
6	6	GLASS NECK SHERD	MACHINE-MADE MANUFACTURE, BRANDY FINISH COLORLESS BOTTLE FRAGMENT	1	19.2g
6	6	GLASS BODY SHERD	MOLDED, COLORLESS	2	1.4g
6	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	6	3.1g
6	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	4	2.5g
6	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	1	0.7g
6	6	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	2	1.2g
6	6	NAIL	MACHINE CUT -INDETERMINATE, CORRODED NAIL	1	11.9g
6	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	5	23.1g
6	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	2	19.1g
8	7	BODY SHERD	REDWARE, UNIDENTIFIED	2	3.2g
8	7	BODY SHERD	PEARLWARE, PLAIN	1	1.3g
8	7	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	2.6g
8	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.9g
8	7	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, BLUE	1	0.4g
8	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	26.1g
9	8	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	<0.1g
9	8	NAIL	HAND WROUGHT COPPER BRAD	1	2.7g
10	10	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	1.1g
10	10	BODY SHERD	REDWARE, UNIDENTIFIED	2	2.5g
10	10	STRUCTURAL MATERIAL	BRICK-FRAGMENT	2	1.3g
10	10	GLASS BODY SHERD	FREEBLOWN, INCLUSIONS (AIR BUBBLES); GREEN	1	0.9g
10	10	INDETERMINATE METAL OBJECT	INDETERMINATE COPPER OBJECT	2	1.1g
10	10	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	30.0g
14	9	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	1.4g
14	9	RIM SHERD	PEARLWARE, EDGE-DECORATED, BLUE PAINTED	1	0.6g
14	9	BODY SHERD	WHITEWARE, PLAIN, MOLDED	1	2.8g
14	9	TOBACCO PIPE	BOWL, MOLDED, WHITE CLAY, STAMPED "/PE/" = PHILIP EDWARDS	1	2.0g
14	9	TOBACCO PIPE	STEMS, INDETERMINATE BORE DIAMETER, WHITE CLAY	2	2.1g

Stratum	Level	Object	Description	Count	Weight
14	9	STRUCTURAL MATERIAL	BRICK-FRAGMENT	6	25.3g
14	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE COLORLESS BODY SHERD	3	1.4g
14	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	<0.1g
14	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	1	4.0g
14	9	WINDOWPANE-FRAGMENT	INDETERMINATE, COLORLESS	3	2.8g
14	9	NAIL	INDETERMINATE MANUFACTURE, SPIKE	1	47.3g
14	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	10	80.1g
14	12	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	2	4.8g
14	12	BODY SHERD	REDWARE, UNIDENTIFIED	1	0.5g
14	12	RIM SHERD	PEARLWARE, HANDPAINTED POLYCHROME FLORAL PATTERN, BAND BELOW RIM, MENDS (1)	2	0.6g
14	12	STRUCTURAL MATERIAL	BRICK-FRAGMENT	4	155.3g
14	12	GLASS BASAL SHERD	FREEBLOWN, COLORLESS, PONTIL MARK (IRON ROD)	1	11.7g
14	12	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	2	2.9g
14	12	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	3	3.2g
14	12	WINDOWPANE-FRAGMENT	INDETERMINATE, COLORLESS	1	0.8g
14	12	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	<0.1g
14	12	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	14.2g
14	12	INDETERMINATE METAL OBJECT	COPPER STAMPED METAL OBJECT, MENDS (1)	2	<0.1g
14	12	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	45.9g
14	13	BODY SHERD	PEARLWARE, PLAIN	1	0.5g
14	13	GLASS BODY SHERD	PATTERN MOLDED, AQUA	1	0.8g
14	13	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.7g
14	13	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	1.6g
14	13	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	1	1.4g
14	13	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	1.1g
14	13	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	8	94.9g
14	13	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC BONE FRAGMENT	1	1.5g
14	13	UNIDENTIFIED OBJECT	BURNT MATERIAL	2	3.1g
14	14	BODY SHERD	PEARLWARE, HANDPAINTED MONOCHROME, BROWN STAR PATTERN	1	0.2g
14	14	BODY SHERD	WHITE SALT GLAZED STONEWARE, PLAIN	1	0.8g
14	14	STRUCTURAL MATERIAL	BRICK-FRAGMENT	2	6.6g
14	14	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	13.6g
14	14	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.7g
14	14	WINDOWPANE-FRAGMENT	PLATE GLASS, AQUA	1	4.8g

Stratum	Level	Object	Description	Count	Weight
14	14	NAIL	INDETERMINATE CORRODED NAIL-FRAGMENT	5	35.4g
14	15	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	0.5g
14	15	RIM SHERD	PEARLWARE, SHELL-EDGED, BLUE	1	0.5g
14	15	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	<0.1g
14	15	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, WHITE CLAY	1	2.0g
14	15	GLASS BODY SHERD	MOLDED, COLORLESS	1	1.1g
14	15	GLAS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	<0.1g
14	15	GLAS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	9.1g
14	15	WINDOWPANE-FRAGMENT	PLATE GLASS, AQUA	5	13.8g
14	15	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	5	108.1g
14	15	INDETERMINATE SYNTHETIC OBJECT	PLASTIC FRAGMENTS	3	0.4g
14	16	BODY SHERD	REDWARE, UNIDENTIFIED	2	0.5g
14	16	BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); GREEN	1	<0.1g
14	16	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.3g
15	11	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	0.8g
				163	

Table 13. Unit 5 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
6	5	BODY SHERD	PEARLWARE, PLAIN	1	0.6g
6	5	STRUCTURAL MATERIAL	BRICK-FRAGMENT	3	9.0g
6	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	1.4g
6	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	1.2g
6	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, OLIVE	1	1.1g
6	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	40.7g
10	8	BASAL SHERD	CREAMWARE, PLAIN	1	0.4g
10	8	BODY SHERD	PEARLWARE, PLAIN	1	<0.1g
10	8	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	2	0.5g
10	8	BODY SHERD	ENGLISH BROWN STONEWARE (FULHAM), BROWN	4	6.5g
10	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	4	7.1g
10	8	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.4g
10	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	9.5g
10	8	SPECIMEN (UNWORKED)	INDETERMINATE SHELL-FRAGMENT	2	9.5g
10	9	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	0.5g
10	9	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	1.0g
10	9	BODY SHERD	CREAMWARE, PLAIN	1	0.5g

10	9	BODY SHERD	PEARLWARE, ANNULAR, MENDS (2)	2	9.3g
10	9	STRUCTURAL MATERIAL	BRICK-FRAGMENT	6	352.4g
10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BLUE	1	0.2g
10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	1	0.7g
10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	0.5g
10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHITE (OPAQUE)	1	0.9g
10	9	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT AQUA	1	<0.1g
10	9	BUTTON	1 PIECE STAMPED, OMEGA SHANK, BACK MARK "COLOUR/GILT/"	1	3.9g
10	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	17.6g
10	9	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	12.9g
				53	

Apart from Stratum 14 in Unit 3, artifact density was fairly low in these three units. Strata 8 and 9 in Units 2 and 5 contained no artifacts at all. Stratum 6 in Unit 3 contained a machine-made bottle lip fragment with a brandy-type finish, dating to 1910–1930, along with earlier artifacts including creamware and pearlware. This mixture of early and late artifacts may indicate that Stratum 6 is a remnant of pre-1938 soil deposition at the site, or that it is related to landfilling activities during the wharf rehabilitation. Although few artifacts were found in Strata 8 and 9, immediately below Stratum 6, a bottle lip fragment with a crown cap finish in Stratum 9 indicates that these two strata may also be remnants of mid to late nineteenth-century soil deposition at this location. Stratum 10 in these three units contained much the same type of artifacts as in Units 1 and 4, including an omega shank button marked “COLOUR/GILT,” with a terminus ante quem (TAQ) date of 1837 (Figure 62; Hume 1969). Also of interest were a pair of hand wrought copper brads, possibly related to ship repair activities (Figure 63). Stratum 14, while containing the majority of the artifacts recovered from below the modern fill, was problematic. Rodent disturbance was present at great depth in Stratum 14 in Unit 3, which introduced some later artifacts into the stratum along with earlier artifacts. Plastic fragments were recovered from the rodent hole during excavation, attesting to its recent activity. However, earlier artifacts more in line with the character of Stratum 14 elsewhere on site were present as well, including a pipe bowl with a flat heel stamped “P E” and associated with the seventeenth-century pipe maker Philip Edwards (Figure 64; Bradley 1999, Price 1901); white salt-glazed stoneware; creamware; and pearlware. No artifacts were recovered from the units that appeared directly related to the occupation or removal of the Derby Counting House.



Figure 62. Omega shank button from Unit 5, Stratum 10

Photograph by Andrew Sewell

Catalog # SAMA 32797



Figure 63. Hand wrought copper brads from Unit 5, Stratum 10

Photograph by Andrew Sewell

Catalog # SAMA 32615



Figure 64. Tobacco pipe bowl with “P E” heel stamp from Unit 5, Stratum 14

Photograph by Andrew Sewell

This maker’s mark is attributable to Philip Edwards, a pipe maker active in Bristol, England in the second half of the seventeenth century (Catalog # SAMA 32649).

Units 8 and 9

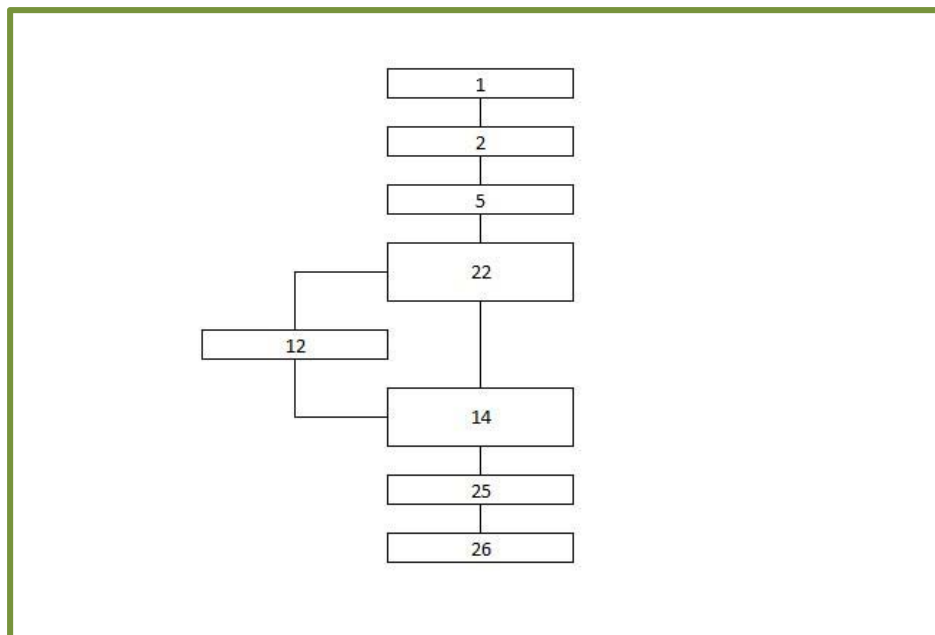
Units 8 and 9 were excavated as two halves of a one by two meter excavation block, with Unit 8 representing the southern half and Unit 9 the northern half of the block. Units 8 and 9 were placed two meters west of Units 1 and 4, and were intended to test for a geophysical anomaly interpreted as the possible southern axis of the Derby Counting House, as well as document any evidence for surviving building remnants. These two units were excavated November 8–10. Strata 2, 4, and 5 were removed with the backhoe from the two units. The excavation datum for both units was placed 10 cm above ground surface at the southwest corner of Unit 8. All soil from strata below the twentieth-century fill was screened from these two units, and all artifacts from these strata were collected. Stratigraphy observed in the three units was relatively uniform across the excavation, with the exception of Stratum 25, which only occurred in the southeast corner of Unit 8, and was not observable in the profile. No direct evidence for the Derby Counting House building was observed in these two units.

Table 14 summarizes the stratigraphy of both units, depicted in the Harris matrix in Figure 65 (refer to Table 1 for stratum descriptions). Figure 66 shows the combined west wall profile for Units 8 and 9. Figure 68 shows the combined east wall profile for both units. Figure 67 and Figure 69 show photographs of the west and east profiles, respectively.

Table 14. Stratigraphy within Units 8 and 9

Depths in this table represent the average depth of each stratum as it was recorded for the southwest corner of each unit from the Unit 8 datum (where applicable), and thus may not exactly match recorded depths recorded on field paperwork or the following profile.

Stratum	Average depth below Unit 2 Datum	Present within units	Notes
1	6 cm; Surface	8, 9	-
2	6–37 cm (Strata 2 and 4 were combined in the profiles)	8, 9	Mixture of modern and nineteenth-century artifacts
4			Thick gravely sand fill with bottle glass, plastic, large cobbles
5	37–70 cm	8, 9	Thick, compacted modern gravely sandy loam fill, high density of artifacts from ca. 1850s–1940
12	75–80.5 cm	8, 9	Compact cobble and sand
14	80.5–94 cm	8, 9	Counting house period artifacts present in upper levels of stratum
22	70–75 cm	8, 9	Dark coarse sand below Stratum 5
25	97–111 cm	8	Slightly darker than Stratum 26; possibly associated with loose soils in eastern wall of unit
26	94–107	8, 9	Sandy soil below Stratum 14

**Figure 65. Harris matrix for Units 8 and 9**

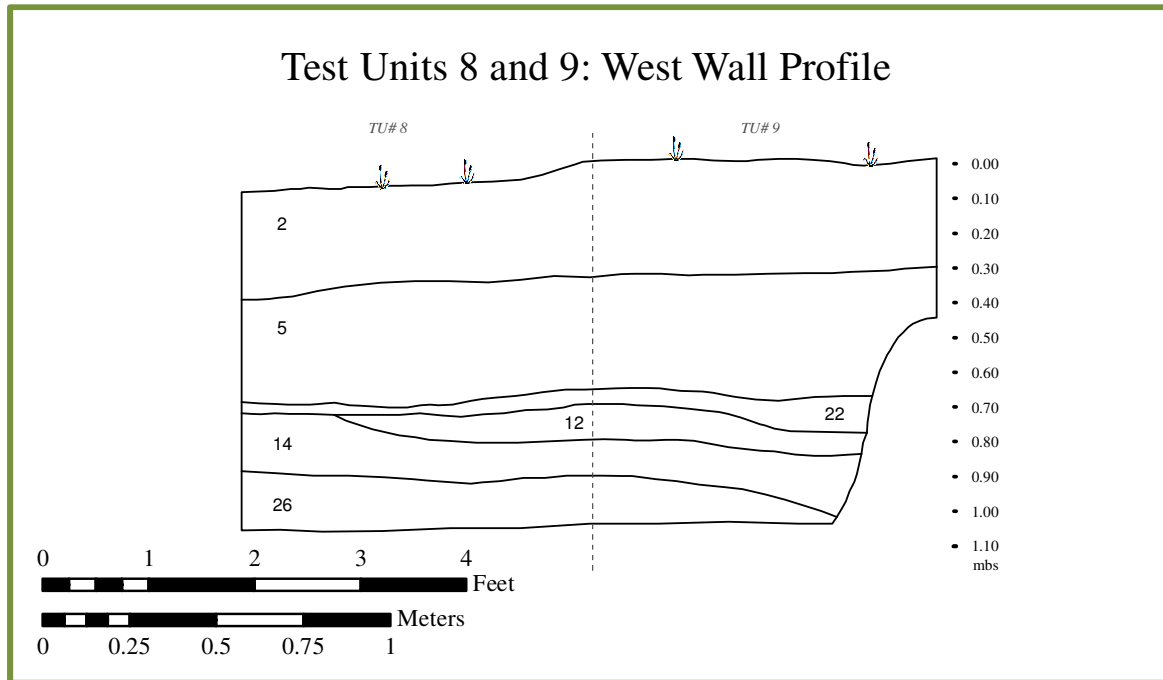


Figure 66. Combined west profile of Units 8 and 9



Figure 67. Units 8 and 9 west profile photograph

Photograph by Andrew Sewell

Unit 8 is in the left half of the image and Unit 9 is in the right half.

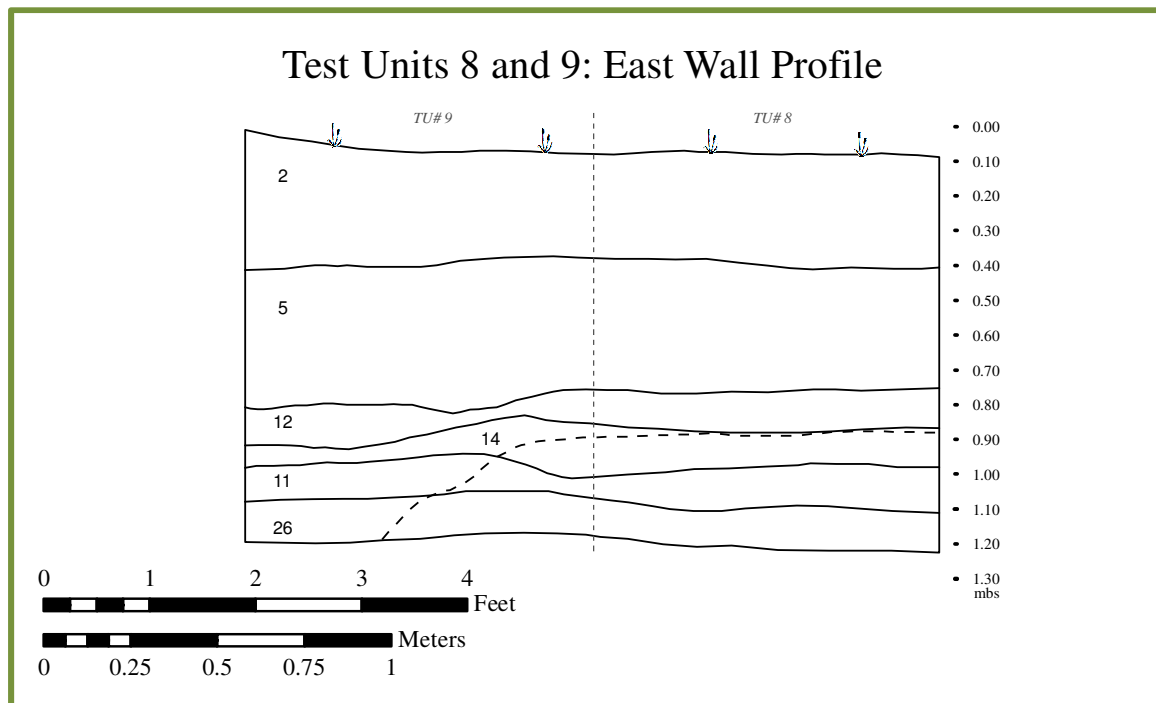


Figure 68. Combined east profile of Units 8 and 9

Dashed line in this figure indicates location of loose soils in southeastern portion of Unit 9 and within Unit 8.



Figure 69. Units 8 and 9 east profile photograph

Photograph by Andrew Sewell

Unit 8 is in the right half of the image and Unit 9 is in the left half. Note the area of loose soils in the lower right of the image, roughly corresponding to where Stratum 25 was found in the interior of Unit 8.

Discussion

The stratigraphy within Units 8 and 9 shows a sequence of depositional events associated with the Derby Counting House, natural processes, and the actions of the WPA and NPS in the twentieth century. There are four strata definitely associated with twentieth and twenty-first century activity:

- Stratum 1, the surface of the site
- Stratum 2, a sod layer containing material from recent activity and earlier artifacts likely originating from recent excavations (including a utility line excavation and the excavation of Hartgen trenches 11 and 31)
- Stratum 4, a thick layer of fill dating from no earlier than the 1940s
- Stratum 5, a thick layer of gravelly fill deposited on the location ca. 1940, containing a high density of twentieth-century artifacts mixed with a lesser amount of nineteenth-century artifacts

Strata found in these three test units that are nineteenth century or earlier in origin include:

- Stratum 12, a compacted layer of small, waterworn cobbles and coarse sand
- Stratum 14, a very thick layer of clayey sand, likely representing naturally deposited material from tidal action
- Stratum 22, a dark, coarse sand directly below Stratum 5 and above Stratum 12, possibly correlated with Stratum 10 elsewhere at the site
- Stratum 25, an area of darker soil occurring in the southeast corner of Unit 8 with minimal artifacts present and adjacent to a section of loose soils in the eastern profile
- Stratum 26, a very fine sand with eighteenth-century artifacts below Stratum 14

Notably missing from the stratigraphy, apart from Stratum 12, are deposits related to the Derby Counting House. Stratum 12 does not extend across the entire unit, absent from the southwestern corner of Unit 8. Stratum 22, which is directly above Stratum 12 in the units, is a dark sandy soil with redoxidization staining, similar to Stratum 10 elsewhere at the site, and may represent the same post-1819 filling event implied by Stratum 10. Another noticeable difference is with Stratum 14, which does not extend below the base of excavations but instead lies atop Stratum 26, a very fine sand with eighteenth century artifacts. Soil probes placed in the base of the excavation revealed Stratum 26 extends 10 cm further, and then a clayey sand similar to Stratum 14 is encountered, indicating that Stratum 26 may represent a large soil lens within Stratum 14. Stratum 25 was an oddity within the excavation. This stratum, a fine sand with few artifacts, was only present within the southeastern corner of Unit 8, and appeared during excavations to extend out of the unit, but was not distinguishable from Stratum 26 in the east and south profiles. Stratum 25 may represent a fill episode where a large stone was removed, which left a shallow depression within Stratum 26 subsequently filled in with the matrix of Stratum 25 (Figure 69). Curiously, the consistency of the stratigraphy in the eastern wall of the two units was much looser in the general location of Stratum 25 (Figure 70).



Figure 70. Unit 8, base of level 6 photograph, showing depression within Stratum 26 left by removal of Stratum 25 soils in the southeast corner

Photograph by Andrew Sewell

Artifacts

No artifacts from the modern fill deposits on the site were collected or inventoried during the excavation. Unit 8 had a total of 84 artifacts, and 53 artifacts were recovered from Unit 9, for a combined total of 137 artifacts. Table 15 lists the artifacts cataloged from Unit 8, and Table 16 presents the artifacts from Unit 9, followed by a discussion of the artifacts from these two units.

Table 15. Unit 8 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
12	3	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	8.9g
12	3	RIM SHERD	REDWARE, PLAIN	1	1.9g
12	3	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN, MENDS (1)	2	8.1g
12	3	BODY SHERD	WESTERWALD/RAEREN STONEWARE, SALT GLAZED EXTERIOR, BROWN-SLIPPED INTERIOR	1	2.0g
12	3	GLASS BODY SHERD	FREEBLOWN, INCLUSIONS (AIR BUBBLES), GREEN	1	8.1g
12	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	1	10.5g
12	3	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT-FRAGMENT	2	3.0g
14	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	2	2.9g
14	5	BODY SHERD	REDWARE, BUCKLEY TYPE	1	4.4g
14	5	STRUCTURAL MATERIAL	BRICK-FRAGMENT	24	195.9g

14	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	0.7g
14	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	0.5g
14	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.5g
14	5	LIGHTING FIXTURE	LAMP CHIMNEY FRAGMENT, AQUA	1	<0.1g
14	5	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.4g
14	5	INDETERMINATE GLASS	FLAT GLASS, AQUA	1	<0.1g
14	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	23.6g
14	5	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	2	2.3g
22	2	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	2.2g
22	2	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN, PLATE-FRAGMENT	1	32.6g
22	2	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	1	<0.1g
25	6	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	11.6g
25	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	1	4.9g
26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: CLEAR INTERIOR, BROWN EXTERIOR	1	0.6g
26	6	RIM SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BROWN	1	4.9g
26	6	TOBACCO PIPE	STEM, 6/64 BORE DIAMETER, WHITE CLAY	1	3.1g
26	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	10	41.1g
26	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	36.1g
26	6	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE-FRAGMENT	14	3.6g
				84	

Table 16. Unit 9 cataloged artifacts

Stratum	Level	Object	Description	Count	Weight
12	3	BODY SHERD	WESTERWALD/RAEREN STONEWARE, SALT GLAZED EXTERIOR, BROWN-SLIPPED INTERIOR, MENDS (1)	1	4.0g
12	3	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	80.9g
12	3	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	3	5.0g
12	3	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT BONE-FRAGMENT	2	1.3g
14	4	WINDOWPANE-FRAGMENT	INDETERMINATE, AQUA	4	2.3g
14	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: CLEAR INTERIOR, BROWN EXTERIOR	1	1.5g
14	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: CLEAR INTERIOR, BLACK EXTERIOR	1	3.5g
14	5	STRUCTURAL MATERIAL	BRICK-FRAGMENT	3	3.5g
14	5	NAIL	INDETERMINATE MANUFACTURE CORRODED NAIL-FRAGMENT	1	0.4g

22	2	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, WHITE CLAY	1	1.9g
22	2	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.8g
22	2	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	14.3g
26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	5.9g
26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: BROWN INTERIOR, BLACK EXTERIOR	1	3.2g
26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES CLEAR INTERIOR, BROWN EXTERIOR	1	2.1g
26	6	BODY SHERD	REDWARE, BUCKLEY TYPE	1	3.3g
26	6	BODY SHERD	REDWARE, MANGANESE MOTTLED, SAME VESSEL AS SAMA-32935, JAR-FRAGMENT	2	1.1g
26	6	RIM SHERD	REDWARE, MANGANESE MOTTLED, MENDS (1), SAME VESSEL AS SAMA-32934, JAR-FRAGMENT	2	5.7g
26	6	RIM SHERD	REDWARE, MANGANESE MOTTLED, MENDS (2), DIFFERENT VESSEL THAN SAMA-32935, JAR-FRAGMENT	3	8.5g
26	6	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	0.8g
26	6	STRUCTURAL MATERIAL	HAND FORMED BRICK-FRAGMENT	3	44.5g
26	6	GLASS BODY SHERD	FREEBLOWN, GREEN, BOTTLE-FRAGMENT	1	4.5g
26	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	7	43.7g
26	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	23.4g
26	6	GUNFLINT	ROUNDED HEEL, FRENCH HONEY-COLORED FLINT, FRAGMENT	1	0.9g
26	6	COAL	COAL	1	8.5g
26	6	SLAG	CINDER SLAG	2	6.3g
26	6	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC CRANIUM-FRAGMENT	3	1.1g
				53	

Artifacts from these two units do not include anything that could be conclusively linked to the construction or occupation of the Derby Counting House. The artifacts from Stratum 22, directly below the modern fill layers, were inconclusive in regards to dating the layer, although the content was not out of character for a nineteenth-century deposit, with redware sherds. A pipe stem with a 5/64-inch bore diameter is more typical of early eighteenth-century pipes. However, the deposition of the stratum likely dates to after the demolition of the Derby Counting House, as it is positioned above the possible cobble fill (Stratum 12) that overlays brick debris from the building removal elsewhere on site. Artifacts from Stratum 12 and Stratum 14 below it included Westerwald stoneware (Figure 71), redware, animal bone, and freeblown glass vessel fragments. Stratum 25, the possible fill from a stone removal, contained only two artifacts, a brick fragment and a corroded nail fragment. Stratum 26 appears to be the oldest stratum encountered on the site, as the only datable artifacts recovered were all seventeenth and eighteenth century in origin, such as Buckley-type and Manganese Mottled redwares (Figure 72) and a 6/64-inch bore diameter pipe stem. Also of interest from this stratum was a rounded heel gunflint fragment made of French honey-colored flint, the only arms-related artifact found during excavations (Figure 73).



Figure 71. Westerwald stoneware sherds from Unit 9, Stratum 12

Photograph by Andrew Sewell

Catalog # SAMA 32918



Figure 72. Eighteenth century English redwares from Unit 9, Stratum 26

Photograph by Andrew Sewell

Left to right: a Buckley-type sherd (catalog # SAMA 32933), a Manganese Mottled jar rim sherd (catalog # SAMA 32935), and a second Manganese Mottled jar rim sherd from a different vessel than the other rim sherd in this photograph (catalog # SAMA 32936)



Figure 73. French gunflint heel from Unit 9, Stratum 26

Photograph by Andrew Sewell

Catalog # SAMA 32942

Interpretation

The results of fieldwork demonstrated that structural features and deposits connected to the Derby Counting House still exist at SAMA. However, it seems that the removal of the building in 1819 may have included reclaiming much of the foundation, if indeed the building had a full foundation in the first place. The only building remnants encountered were a dry-laid foundation with a parallel line of three flat stones within the former building footprint. A potential cobble subfloor first identified through trenching conducted by Hartgen & Associates (Stull 2004) to the north of the 2012 excavations was found in Units 2, 3, and 5 during the August fieldwork session and left in place. This same potential subfloor, or at least a cobble deposit very similar in nature, was also found in Units 6 through 10, but did not extend into Units 1 and 4. A rubble deposit consisting of hand-formed brick fragments and mortar, likely representing debris from the removal of the chimney in 1819, was present above the structural features in Units 1, 4, 6, and 10, but below the cobble deposit in Units 6 and 10, complicating the interpretation of this stratum as representing a subfloor. Instead, it may in fact represent part of a gravel fill deposited on the building location after its removal to bring it up to grade with the wharf. After the building was removed in 1819, a series of thin soil deposits were laid down. Evidence for the nineteenth-century use of the lot for coal and lumber storage, and as an early twentieth-century park, was not identified, although some of the thin soil strata identified during excavations may represent remnants of nineteenth-century activity. Most of the soil deposits related to the later use of the lot were likely removed through wave action from the 1938 hurricane and then by grading conducted as part of the 1938 wharf renovations, and a thick fill deposit was placed across the area to raise the elevation of the lot, using material likely obtained as spoil from grading rear yards of buildings within the new park boundaries. At this same time, it appears that grading

disturbed stones and possibly an 1819 granite property boundary marker, as soil representing the 1938 filling episodes was present within a large, deep posthole in Unit 7 and extending to the level of the large foundation stones in Unit 10. Modern soil development has occurred in the 74 years since the initial wharf renovations.

Artifacts from the Derby Counting House site

A total of 2,176 artifacts were cataloged from the excavations at the Derby Counting House, with an estimated 2,950 artifacts recovered but not cataloged from the twentieth-century fill deposits in Units 2, 3, 4, and 5. In addition, brick fragments from rubble deposits in Units 1, 4, 6, 7, and 10 excavated during the November fieldwork session were weighed but not counted, with a combined brick weight for those five units of 558 pounds. Artifact classes such as ceramics and glass were characterized by a high density of fragmentary artifacts, most under 2 cm in size. Very few large artifacts (apart from some broken bricks) were recovered. Ferrous metal artifacts tended to be heavily corroded and thickly covered with rust deposits, especially in the deeper strata at the site, reflecting the nature of the local environment. Bone was present in small amounts, although few bone fragments could definitely be identified as food remains and no bone fragments appeared to be worked into tools or other artifacts. Coal and slag was present in small amounts throughout the site assemblage. Synthetic artifacts were present in the deposits associated with the twentieth-century strata, including the rodent burrow encountered deep within Stratum 14 along the eastern edge of Unit 3.

Ceramics

Vessels

Ceramic sherds from the Derby Counting House site included a wide variety of types spanning the seventeenth through twentieth centuries in date ranges. Due to the highly fragmentary nature of the assemblage, very few vessel forms could be identified. Vessel forms that were identified included jars, plates, platters, crocks, cups, bowls, and mugs.

As might be expected, the ceramics recovered from the deepest strata at the site which represent soils that pre-date or are contemporary with the Derby Counting House contain ceramic types with production ranges in the seventeenth and eighteenth century. For example, Stratum 26 in Units 8 and 9, which is below Stratum 14, contained 14 ceramic sherds, nearly all red earthenwares. Identifiable ceramic types within Stratum 26 included one Buckley-type sherd, dating to 1720–1775, and seven Manganese Mottled sherds representing two different jars, dating from 1680 to 1780 (Thomas Jefferson Foundation 2012). Stratum 14, upon which the Derby Counting House was built, yielded 30 ceramic sherds, included a higher variety of ware types, such as a hand-painted polychrome tin enameled sherd, an edge-decorated creamware rim sherd, seven pearlware sherds, one whiteware sherd, two North Devon-type sherds, one Buckley-type sherd, one Manganese Mottled sherd, 13 undiagnostic redware sherds, one white salt-glazed stoneware sherd, one coarse buff-bodied earthenware sherd, and one white-bodied earthenware sherd of unidentifiable type. The date ranges for these ceramics include wares with ending manufacturing dates in the late eighteenth century, such as the fine red-bodied earthenwares represented by the Buckley-type and Manganese Mottled sherds, and wares with beginning

manufacturing dates in the early nineteenth century (however, it should be noted that all of the ceramics with nineteenth-century date ranges came from a area disturbed by rodent activity in Unit 3, so their utility for interpreting the date of Stratum 14 is compromised). Taken together, the small amount of ceramics probably indicates a low level of domestic activity in the site location during the seventeenth century.

Only one stratum encountered during excavations appears to represent deposition during the occupation of the Derby Counting House: Stratum 20. A total of eight sherds from Units 6, 7, and 10 represent the ceramic assemblage for this stratum, including one plain pearlware sherd and the remainder being undiagnostic redware sherds. This assemblage may represent the limited use of the structure for domestic activities such as meals, and the redware sherds could in fact represent the breakage of storage vessels related to trade goods rather than food storage and preparation vessels for consumption of meals on site.

Finally, ceramics from Stratum 5, representing a fill deposit from ca. 1938, included a very wide variety of types, indicative of their likely origin as yard refuse deposits from elsewhere within the park. Using the cataloged artifacts from Unit 1 as a sample for this stratum, we see a total of 107 ceramic sherds representing 10 basic ware types, including creamware (2 sherds), pearlware (8 sherds), whiteware (28 sherds), ironstone (31 sherds), porcelain (14 sherds), domestic stoneware (6 sherds), Nottingham-type stoneware (8 sherds), Westerwald stoneware (1 sherd), yellowware (1 sherd), and unidentified white-bodied earthenware sherds (6 sherds). Notable by its absence from Stratum 5 in Unit 1 is redware, with only a single flower pot sherd representing this ware type.

Tobacco Pipes

Tobacco pipe fragments were found in low densities across the site, mainly as stem fragments. A total of 14 pipe fragments were recovered, including two bowl fragments and 12 stem fragments. All of the fragments were white clay, with two pipe stems exhibiting a clear yellow glaze. One of the bowl fragments, a late seventeenth century type attributed to the Bristol pipemaker Philip Edwards, is depicted in Figure 64. Of the 12 stem fragments, four had bore diameters of 4/64 inches, five had 5/64-inch bores, one had a 6/64-inch bore, and the remaining two had indeterminable bore diameters. Two of the four 4/64-inch diameter fragments mend together. According to Harrington (1978), bore diameters in pipe stems tend to become larger over time due to changes in manufacturing, with smaller diameter bores associated with early pipe production and larger bores with later production. Harrington assigned a general date range of 1680–1710 for pipes with 6/64-inch bores, 1710–1750 for pipes with 5/64-inch bores, and 1750–1800 for pipes with 4/64-inch bore diameters. The pipe stems recovered from the Derby Counting House site are associated with late seventeenth and eighteenth-century production.

Bricks

Bricks recovered from the Derby Counting House site were highly fragmentary, with no complete bricks observed. Still, manufacturing processes could be identified for several of the larger fragments. Hand-formed brick fragments were found throughout the site, especially in Strata 11 and 18, the brick rubble deposit in Units 1, 4, 6, 7, and 10; these bricks are very likely parts of the brick chimney and hearth installed in the building in the late eighteenth century. Machine-made brick fragments were present in the twentieth-century fill deposits, and are not related to the Derby Counting House structure.

Other Ceramic Artifacts

Only two ceramic artifacts were recovered that did not fall into the above categories: a coarse earthenware drain pipe fragment from Stratum 5 and half of a clay marble from Stratum 14.

Glass

Vessels

The majority of glass artifacts from the Derby Counting House site represent indeterminate vessels, although it is likely that most of the indeterminate sherds are from bottles. As with the ceramic assemblage, the glass assemblage is highly fragmentary with few distinguishable vessel forms. Identified vessel types within the assemblage include wine bottles, pharmaceutical bottles, generic bottles, drinking glasses, and tumblers. Some unidentified molded glass fragments likely represent unidentified types of tableware.

A total of 644 glass vessel fragments were cataloged from the Derby Counting House excavations, with 76% (490 artifacts) from the twentieth-century fill layers alone. Only four glass vessel fragments were recovered from Stratum 20, considered to represent occupation deposition from the duration of the building's existence, and 30 glass vessel artifacts were found in the strata associated with the period before the construction of the building (Strata 14 and 26). Twenty of the glass vessel fragments in Stratum 14 are from the bioturbated portion of unit 3, and thus may represent material introduced at a later date than in locations without bioturbation. None of the glass vessel fragments from Stratum 14 outside of unit 3 were diagnostic to manufacture or vessel form. The single glass vessel fragment from Stratum 26 was from a free-blown, green bottle, and the glass vessel fragment from Stratum 20 was also from a free-blown green vessel of undetermined form.

Windowpane Glass

A total of 145 windowpane fragments were cataloged from the Derby Counting House Excavations. Most of the windowpane fragments came from Strata 4 and 5 in Unit 1, with 97 fragments accounting for 68% of all windowpane fragments from the site. Interestingly, the stratum with the second highest count was the brick rubble deposit (Stratum 11/18), with 21 fragments. Stratum 14 had 14 windowpane fragments, all but four from the bioturbated portion of Unit 3. In general, outside of the twentieth-century fill and the brick rubble, windowpane fragments occurred infrequently at the site.

Other Glass Artifacts

Artifacts not classifiable as vessels or windowpane fragments included one freeblown glass marble from Stratum 11 in Unit 4; two lamp chimney fragments, one from Stratum 14 in Unit 8, and one from Stratum 20 in Unit 10; and 34 pieces of indeterminate flat glass that was not clearly either from a vessel or a windowpane.

Metal

Ferrous Artifacts

The majority of ferrous (iron or steel) artifacts recovered from the Derby Counting House site were nails, and nearly all were corroded to some degree—many to the point that

determining the manufacturing process was impossible. A total of 433 nails and nail fragments were cataloged, of which 335 nails and nail fragments could not be classified to manufacturing technique. Twelve machine-cut nails and fragments were identified, along with four hand wrought nails and 82 wire nails. All of the wire nails came from Strata 4 and 5. The hand wrought nails were located in Strata 10, 11, and 13. Machine-cut nails were found in both the twentieth-century fill deposits and in the nineteenth-century strata post-dating the removal of the Derby Counting House, but were not identified in deposits contemporary with or pre-dating the removal of the structure. One railroad spike and two machine-cut spikes were found in Stratum 5, the post-1938 fill deposit. Two hand wrought spikes were recovered in the brick rubble deposit (Stratum 11), and spikes of indeterminate manufacture were found in Strata 14 and 20. Other identifiable ferrous artifacts, all from Stratum 5, included bolts, staples, a screw fragment, a hand punch similar to ones used in leather working, a scrolled piece of wrought iron—likely a decorative piece of hardware, a piece of a steel can, and part of a spoon. Finally, 69 unidentifiable ferrous objects were cataloged, consisting of heavily corroded pieces of iron.

Copper Alloy Artifacts

Artifacts made from copper or copper alloys such as brass include buttons, hand wrought brads, and unidentifiable metal objects. Four copper alloy buttons were recovered from the Derby Counting House site, including a one-piece cast button similar to Type 1 in Stanley South's button typology (Hume 1969); a two-piece cast button; and 2 1-piece stamped omega shank buttons, one with the back mark "COLOUR/GILT" (Figure 62) and the other with the back mark "IMPERIAL/STANDARD" and decorated on the front surface with a floral pattern. Three hand wrought copper brads were also found, with two in Stratum 10 and one in Stratum 9. These artifacts may represent ship building or maintenance activities in the area of the former building footprint after the Derby Counting House was removed. Other copper alloy artifacts include a corroded copper or brass disc, possibly a token; two small flat fragments of a stamped copper sheet; and two small, unidentified corroded copper alloy artifacts.

Other Metal Artifacts

The only non-ferrous and non-copper alloy metal artifact cataloged was a small lead sprue found in Stratum 5.

Stone

Stone artifacts were few in number at the Derby Counting House site, and mainly consisted of slate shingle fragments (13 total). Notable stone artifacts include a gunflint heel made of French honey-colored flint from Stratum 26 in Unit 9 (Figure 73), and two pre-contact chipped stone artifacts consisting of a cryptocrystalline primary flake and a quartz flake fragment, both of which were recovered from Stratum 4 in Unit 1.

Other Mineral Artifacts

Artifacts consisting of other mineral types only included coal and slag, which occurred in great numbers in Stratum 5 and was not sampled. Single pieces of coal were recovered in Stratum 10 and Stratum 26, and slag was also present in Stratum 11 and Stratum 26.

Synthetic Artifacts

Apart from small plastic fragments found in a portion of Stratum 14 in Unit 3 that was impacted by a modern rodent hole, all synthetic material cataloged from the Derby Counting House site was recovered in Strata 2, 4, and 5. These artifacts included a red plastic bead, a plastic Ring Pop ring, part of a comb, and a liner from the interior of a crown bottle cap.

Vegetal Artifacts

A single piece of unworked wood was found in Stratum 14 in Unit 1. Very small wood fragments that fell apart when touched were sometimes observed within Stratum 14 elsewhere on site, and no attempt was made to collect these fragments.

Faunal Remains

Faunal remains from the Derby Counting House consisted of bone and shell fragments. Shell was ubiquitous in Stratum 5, and was not collected. Only three pieces of shell were recovered from non-fill contexts, including two soft-shell clam (*Mya arenaria*) specimens. A total of 99 faunal remains were cataloged from the Derby Counting House site. Six of the bone fragments showed signs of food preparation, indicating they were food remains, but most bone fragments did not possess any signs of human modification. The bones classified as food remains included one definitely identified to species, a vertebral spine from a cow, and cut marks were the prevalent form of modification, with four bone fragments exhibiting this mark. One fragment showed saw marks, and one fragment bore evidence of boiling through pot polish.

While the majority of the unmodified faunal remains could not be identified to genus or species, most could be assigned to a major class of animal, such as bird, mammal, or fish. Only one unworked bone fragment was classified as indeterminate. Identified species among the unmodified bone fragments include *Bos Taurus* (3 fragments), *Sus scrofa* (2 fragments), and *Rattus norvegicus* (8 fragments). Interestingly, nearly all of the rat bones were recovered from the interior of the building footprint in Unit 1, Stratum 14, with two rat bones in Stratum 14 in Unit 4, on the exterior of the building footprint, and two bones within Stratum 11 in Unit 1. The bones with Stratum 11 may be related to the excavation of a rodent burrow (Stratum 16) within this stratum in Unit 4. Other fragments could be identified to the genus level, including one fragment from either the *Ovis* or *Capra* genus and three bone fragments from the *Rattus* genus that could not be confidently assigned to *R. norvegicus*. Finally, one bone fragment was broadly assigned to the *Artiodactyla* family.

Taphonomy

The taphonomy of the Derby Counting House location is somewhat difficult to interpret, due to numerous historically documented land disturbing episodes, dating from the original construction of the Derby Wharf in 1765 to the present day. However, a likely sequence of depositional events can be assumed through analysis of the stratigraphy recorded in the ten excavation units. Their relationships are depicted in the Harris matrix in Figure 74.

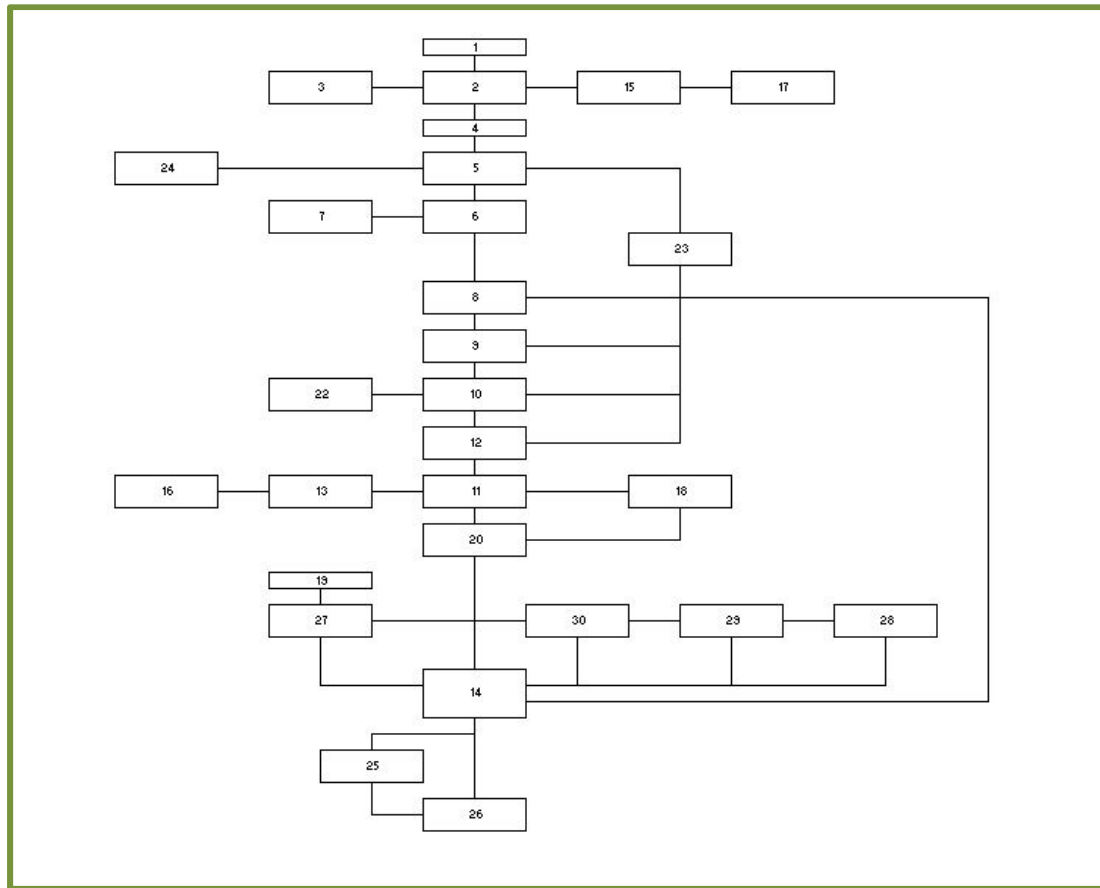


Figure 74. Harris matrix sequence for the Derby Counting House 2012 excavations

Pre-1765 developments and the construction of the Derby Counting House

The state of the location before 1765 is represented by Strata 14 and 26, which appear to be shore deposits containing artifacts dating to the 1700s. The TPQ for Stratum 14 (discounting artifacts from Unit 3, which exhibited modern rodent disturbance within this stratum) is 1775. Structural remnants of the Derby Counting House are built on top or excavated into Stratum 14, and include Stratum 27, the partial stone foundation or corner pier, and likely Strata 28, 29, and 30, which are the three possible floor post support stones. All of these structural features probably date to the building's construction in 1765. Stratum 20 appears to date to the occupation of the building, located above Stratum 14 but below the thick brick rubble layer in Unit 6 and unit 10, with artifacts consistent to the period of occupation for the Derby Counting House, including pearlware, lead-glazed redware, and freeblown glass vessel sherds. Elsewhere, there does not appear to be any soil layers representing occupational deposition.

Removal of the Derby Counting House

In 1819, the store was deliberately taken down and removed from the site, supported by documentary evidence (Snell 1974: 79) and by a general scarcity of artifacts that might indicate catastrophic demolition. It is uncertain if the building was dismantled in part or entirely, or if it was moved intact to another location. However, Faulkner (2004: 58) notes

that the pattern of nails around a building that was razed will show a high ratio of pulled nails (showing a bend from the torque applied when removed) to unmodified (unbent) nails. Unmodified nails from a building site mainly represent nails that were dropped and unrecovered during the construction phase. Buildings that are moved should show a larger number of pulled nails to unmodified nails, representing the dismantling of the structure and discard of unreusable nails. Conversely, building sites that have low numbers of pulled nails may represent structures that were moved intact. None of the 92 nails and nail fragments recovered from Stratum 11 or below appeared to be pulled nails, suggesting the Derby Counting House was not dismantled, but possibly moved intact.

Stratum 11 (and Stratum 18, its correlate) is a dense deposit of brick rubble and mortar above Strata 27, 28, 29, and 30, which are Derby Counting House building remnants. The deposit likely represents the demolition of the building's chimney (put up in 1784), as all the bricks with identifiable manufacturing marks were hand-molded. This rubble deposit was only documented in Units 1, 4, 6, 7, and 10, and was not present in Units 2, 3, and 5 to the north or Units 8 and 9 to the west. However, it should be noted that excavation in Units 2 and 5 did not extend below Stratum 12, which was interpreted at the time as the subfloor of the Derby Counting House and left intact to preserve it for the future. It is possible that the rubble is present below Stratum 12 in these two units, although in Unit 3, where the eastern edge of Stratum 12 was documented, only Stratum 14 soils were observed below Stratum 12 in this location. Artifacts within Stratum 11/18 have a date range spanning the occupation of the Derby Counting House, and likely represent material mixed in with the rubble as it was spread out to cover this end of the building location after removal.

Although initially interpreted as representing a cobble subfloor for the Derby Counting house, Stratum 12 actually appears to be a historically documented fill event dating to 1819, when the contractor who removed the Derby Counting House from this lot filled in the former store location with 15 wagonloads of gravel, to raise the lot to the level of the wharf (Snell 1974: 79). However, the gravel deposit represented by Stratum 12 seems somewhat insufficiently thick to bring an entire low-lying area up to grade, especially as documented in Unit 3, where the profile reveals that Stratum 12 lies approximately 24 cm below the top of Stratum 14, with Strata 8, 9 and 10 lying above it. This relationship between the two strata suggests that Stratum 14 was excavated into as part of building construction in 1765 and the entire location was not completely covered with gravel, with Stratum 10 representing a sandy fill brought in to finish the job. The artifacts within Stratum 10 include creamware and pearlware ceramics, redware vessel sherds, and two omega shank buttons, which may indicate that Stratum 10 was alternatively a later fill event in the 1830s, perhaps brought in to replace gravel fill washed off the lot from high tides and storm surges. Stratum 22 in Units 8 and 9 may be a correlate to Stratum 10, as it is the soil layer directly above the compacted cobble layer in that location and contains similar artifacts, although in much lower densities.

At some point after the building was removed, a rodent excavated a burrow along the foundation within the brick rubble, documented in Unit 4; and in Unit 7, a large post appears to have been placed after Strata 10 and 12 were deposited. This post appears to have been left in place until 1938, as the entire matrix of the post hole consisted of Stratum 5 material, dating to the 1938 wharf renovations. One intriguing explanation of the posthole is that it represents one of the two granite markers placed on site to serve as property monuments in 1819 after the building was removed.

Nineteenth- and Early Twentieth Century Developments and Land Use

Deposits that represent the post-building use of the Derby Counting House lot are not readily evident. Indeed, it seems that soil deposition dating from the mid-1800s to the early twentieth century is almost completely missing from the site. Strata that may represent remnants of nineteenth-century deposition during the use of the site as an open lot include Stratum 7 in Units 1 and 4 and Stratum 8 and 9 in units 2, 3, 5, 6, and 7.

It appears that activity related to the rehabilitation of Derby Wharf in the late 1930s included grading, which removed an unknown, but significant, amount of deposits from the Derby Counting House site. The 1938 hurricane may also have played a major role in removal of material from the site. A roughly 40 cm-thick fill was then deposited on site after the possible grading event (Stratum 5, and probably Stratum 6 as well). Essentially, this sequence of events means that there is no firm stratigraphic evidence for activity at the Derby Counting House lot between about 1840 and 1940. Fortunately, the WPA efforts missed the remnants of the counting house and some of its associated soil deposits. We can surmise some possibly taphonomic events that occurred from the historical record and the results of the 2012 GPR survey. We know that the Derby Counting House lot remained unoccupied by any buildings before 1938, and was used as a lumber yard in the later years of the nineteenth century and early twentieth century. At some point before 1897, a water line was excavated through the northern part of the lot, leading from a junction with another water line at Derby and Orange streets out onto Derby Wharf (Figure 9); this water line was moved out of the lot by 1903 (Figure 10). After the lot was acquired by the Association for the Relief of Aged and Destitute Women in 1906, it was turned into a small park with a single tree planted close to the northeast corner of the lot. The lot remained in this condition up to the time of purchase by the U.S. Government.

The 1938 Wharf Rehabilitation

The rehabilitation of Derby Wharf by the WPA and NPS resulted in a massive amount of earthmoving activity within SAMA, including grading, cutting, and filling. Although grading and filling at the Derby Counting House location is not directly documented, the lot was used as a staging area during rehabilitation and a small shelter was erected in the northeast corner of the lot near Derby Street for use by stone cutters working on replacement stones for repairing the wharf's stone facing. Stratigraphy documented in the archeological excavations indicates that grading likely occurred within the lot, as deposits dating to the mid- to late nineteenth century and early twentieth century appear largely absent (again, the 1938 hurricane may have played a role as well). A thick layer of fill was placed on the lot (Stratum 5), possibly immediately after the grading. The source of the fill is unconfirmed, but may represent spoil dirt from grading activities in rear yards of buildings elsewhere at SAMA (Friedlander et al. 1991: 157). The artifact content in this fill certainly is characteristic of yard waste accumulated over two to three centuries, containing ceramics ranging from Westerwald stoneware, Nottingham-type stoneware, and creamware to ironstone, and hotel china. Coins were observed in the fill, including an 1899 U.S. cent and a 1939 U.S. dime. Nail types included machine-cut and wire nails, many of which were pulled, indicating building renovation or demolition activities. Glass accounted for the most common artifact class, with hundreds of sherds from broken glass vessels throughout the deposit, several

showing embossing and evidence of machine manufacture. Small bits of plastic were also present throughout Stratum 5.

1938 to Present

Soil deposition at the Derby Counting House site after the 1938 wharf rehabilitation is represented by Strata 2 and 4, which contains a mixture of artifacts, the latest of which date to the late twentieth or early twenty-first century, such as a plastic ring from a “Ring Pop” candy novelty dating to no earlier than 1976 (U.S Patent Office 2012). Earlier artifacts dating to the nineteenth century and earlier are also present in these two strata, including two pre-contact stone flakes, demonstrating the probable redistribution of early material across the area from the recent (within the last 20 years) trenching related to archeological investigations and utility installations, and possibly the introduction of soil to the site from sod placement. Stratum 3, a lens of poured cement, represents maintenance activities by the NPS at SAMA. Strata 15 and 17 are recent bioturbation events at SAMA, with the burrow represented by Stratum 17 containing modern plastic. Other known events not documented archeologically include the placement of an electrical meter box on site, a large drain pipe placed just to the west of the counting house location, the installation of four small stone markers in the approximate location of the Derby Counting House (either since removed or possibly not installed in the first place), and the installation and removal of large informational signs and lighting bollards along the eastern edge of the lot, paralleling the path out to the wharf.

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CONCLUSION

The results of excavations at the Derby Counting House location shows that remnants of the original structure are still present, but also that there is little other evidence for the building or activities associated with the structure. Of note is the presence of intact, pre-wharf soil deposits below the Derby Counting House level, which contain artifacts dating to the late 1600s and 1700s. Furthermore, between 50 and 80 cm of modern fill deposits cap the early deposits at the site, effectively protecting the location from most modern activities that do not involve deep excavation. This modern fill represents cutting and filling activities related to the rehabilitation of Derby Wharf in the late 1930s and subsequent park maintenance.

Remnants of the Derby Counting House are represented by the stone foundation remnant or corner pier support uncovered in Units 1, 4, 7, and 10. This stone foundation appears to continue south out of Units 1 and 4, indicating that the actual southeast corner of the Derby Counting House may be just to the south. The foundation does not appear to run further to the north, as no foundation stones or filled builders trenches were documented in Units 2 or 5, four meters to the north of the units with foundation remnants. One possibility is that the building sat on stone piers set at the corners and perhaps at intervals along the axes of the building, rather than on top of a continuous foundation. The building does not appear to have had any formal cellar or subfloor storage area. Flat stones in Units 1, 6, and 10 are interpreted as bases for wooden floor supports. Initially, Stratum 12 was interpreted as a compacted cobble subfloor for the building, as put forward by Stull (2004) when it was first encountered during test trenching at Derby Wharf. However, it seems that it may instead represent the placement of gravel fill over the counting house location as documented by work orders in 1819 (Snell 1974: 79).

Artifacts from the site demonstrate the relative integrity of deposits across the site, with Stratum 26 in Units 8 and 9 representing the earliest period of deposition encountered, containing artifacts dating to the late seventeenth and eighteenth centuries. Artifacts in Stratum 14 show that this soil was deposited during the eighteenth century, with the Derby Counting House built atop this layer. Later artifacts present in this stratum in Unit 3 are attributable to recent rodent disturbance. Only one stratigraphic layer appears to definitely represent intact deposits from the Derby Counting House period: Stratum 20 in Units 6, 7, and 10, positioned above Stratum 14 and below Stratum 11/18. Although only containing one artifact type with a known date range (pearlware), the rest of the artifacts in this stratum are consistent with a late eighteenth to early nineteenth-century occupation, such as lead-glazed redwares, freeblown glass vessel fragments; and artifacts related to the building itself, such as window glass, brick fragments, and dropped (unpulled) nail fragments. Fill events related to the removal of the Derby Counting House in 1819 likely include Stratum 12, the compacted cobble surface found in all units except 1 and 4; and Strata 10 and 22, found directly above Strata 11 and 12 at the site. Strata related to the use of the site as an open lot may be represented by Strata 7, 8 and 9, dating to the late nineteenth century. Early twentieth-century use of the site is not identifiable in the archaeological record. The 1938 wharf renovations are represented by the dense fill layers of Stratum 5 and possibly Stratum

6 as well, containing artifacts spanning the occupational history of the neighborhood prior to the creation of the park. The contents of Stratum 5 are consistent with graded rear yard spoil piles brought to the wharf area to use as fill. Finally, modern artifacts in the upper soil layers of Strata 2 and 4 represent the twentieth and early twenty-first-century use of the area by the general public and maintenance activities by the NPS.

Recommendations

Although remnants of the Derby Counting House have been documented by this project, more study is recommended for future projects. The current project was unable to determine if the building was constructed on a full foundation or on a series of piers that raised it above the ground surface (and the level of high tides). Further excavation at the Derby Counting House would be useful to reveal more of the extent of structural features at the site. The stone foundation or pier in Units 1 and 4 appears to continue further to the south and excavation in that location would be helpful in determining the extent of the foundation, as well as the brick rubble deposit. Excavation within the footprint of the Derby Counting House to determine if Stratum 20 continues or if similar occupational period deposits exist is desirable. Careful removal of modern fill deposits with a mechanical excavator such as a Grad-all, trackhoe, or backhoe is recommended to facilitate access to the deeper nineteenth-century and earlier soil layers. Comparative studies with other wharf-front warehouse sites contemporary with the Derby Counting House may enhance our understanding of the archeology of this location.

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<http://www.daacs.org/aboutdatabase/mcdtypes.html/>

Toulouse, Julian Harrison

1971 *Bottle Makers and Their Marks.* Thomas Nelson Inc., New York.

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<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=/netahtml/PTO/search-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN/D242646>

Walker Lithograph & Publishing Company

1911 *Atlas of the City of Salem, Massachusetts.* Walker Lithograph & Publishing Company, Boston.

APPENDIX A. ARTIFACT CATALOG

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32530	1	7	7	BODY SHERD	PEARLWARE, PLAIN	2	0.8g
SAMA 32531	1	7	7	STRUCTURAL MATERIAL	HAND FORMED BRICK FRAGMENT	5	1891g
SAMA 32532	1	7	7	GLASS BASAL SHERD	FREEBLOWN, GREEN WINE BOTTLE FRAGMENT	1	13.3g
SAMA 32533	1	7	7	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-E/-", COLORLESS BOTTLE FRAGMENT	1	2.0g
SAMA 32534	1	7	7	GLASS BASAL SHERD	CONTACT MOLDED, EMBOSSED BODY "/-E/-", COLORLESS BOTTLE FRAGMENT	1	4.9g
SAMA 32535	1	7	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
SAMA 32536	1	7	7	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	3	31.4g
SAMA 32537	1	7	7	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC LONG BONE FRAGMENT, BUTCHER MARKS, SAWN	1	8.3g
SAMA 32538	1	7	7	SPECIMEN (UNWORKED)	INDETERMINATE BONE FRAGMENT	1	
SAMA 32539	1	10	8	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN	3	13.5g
SAMA 32540	1	10	8	BODY SHERD	REDWARE, UNIDENTIFIED, MENDS (2)	4	12.5g
SAMA 32541	1	10	8	BODY SHERD	COARSE BUFF-BODY, UNIDENTIFIED, CLEAR	1	6.9g
SAMA 32542	1	10	8	STRUCTURAL MATERIAL	BRICK FRAGMENT	4	83.3g
SAMA 32543	1	10	8	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT, POSSIBLE NAILS	3	81.2g
SAMA 32544	1	11	9	BODY SHERD	PORCELAIN, UNIDENTIFIED	1	<0.1g
SAMA 32545	1	11	9	GLASS NECK SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES, BLUE BOTTLE FRAGMENT	2	8.8g
SAMA 32546	1	11	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	1.0g
SAMA 32547	1	11	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	<0.1g
SAMA 32548	1	11	9	NAIL	HAND WROUGHT NAIL	1	19.1g
SAMA 32549	1	11	9	NAIL	INDETERMINATE MANUFACTURE, NAIL FRAGMENT	1	4.3g
SAMA 32550	1	11	9	INDETERMINATE METAL OBJECT	INDETERMINATE METAL OBJECT	2	10.6g
SAMA 32551	1	11	10	BODY SHERD	PEARLWARE, PLAIN	3	2.0g
SAMA 32552	1	11	10	BODY SHERD	PEARLWARE, HANDPAINTED, BLUE; PROBABLE SAME VESSEL AS SAMA 32553	3	2.0g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32553	1	11	10	RIM SHERD	PEARLWARE, HANDPAINTED BLUE FLORAL PATTERN, CUP FRAGMENT, MENDS (1)	2	3.7g
SAMA 32554	1	11	10	BODY SHERD	PEARLWARE, ANNULAR, BLUE	1	0.2g
SAMA 32555	1	11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	5.1g
SAMA 32556	1	11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); BLUE	7	4.0g
SAMA 32557	1	11	10	WINDOWPANE-FRAGMENT	INDETERMINATE, MANUFACTURE, LIGHT BLUE	4	1.2g
SAMA 32558	1	11	10	NAIL-FRAGMENT	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	12	47.7g
SAMA 32559	1	11	10	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	39.1g
SAMA 32560	1	11	10	FOOD REMAINS	BOS TAURUS, VERTEBRAL SPINE FRAGMENT, BUTCHER MARKS (CUT)	1	4.1g
SAMA 32561	1	11	11	BODY SHERD	REDWARE, BUCKLEY TYPE, CLEAR GLAZE	1	0.5g
SAMA 32562	1	11	11	BODY SHERD	PEARLWARE, PLAIN	1	0.5g
SAMA 32563	1	11	11	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, SLIP DECORATION (YELLOW), WHITE CLAY	1	1.4g
SAMA 32564	1	11	11	GLASS LIP SHERD	FREEBLOWN, COLORLESS DRINKING GLASS FRAGMENT	4	6.0g
SAMA 32565	1	11	11	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES), BLUE	1	1.2g
SAMA 32566	1	11	11	INDETERMINATE GLASS	GLASS NODULE COVERED WITH WHITE CORROSION, BROWN GLASS	1	31.4g
SAMA 32567	1	11	11	NAIL	HAND WROUGHT NAIL	2	27.1g
SAMA 32568	1	11	11	NAIL	HAND WROUGHT SPIKE FRAGMENT	2	59.0g
SAMA 32569	1	11	11	NAIL	INDETERMINATE MANUFACTURE, NAIL FRAGMENT	4	20.0g
SAMA 32570	1	11	11	SPECIMEN (UNWORKED)	BIVALVE, MYA ARENARIA	1	8.9g
SAMA 32571	1	11	11	SPECIMEN (UNWORKED)	RATTUS SP. FEMUR	1	0.5g
SAMA 32572	1	11	11	SPECIMEN (UNWORKED)	RATTUS SP. INOMINATE	1	0.3g
SAMA 32573	1	11	11	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC CERVICAL VERTEBRA	1	1.4g
SAMA 32574	1	11	11	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC VERTEBRA FRAGMENT	1	2.6g
SAMA 32575	1	11	11	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC FLAT BONE FRAGMENT	1	0.6g
SAMA 32576	1	13	11	STRUCTURAL MATERIAL	HAND FORMED BRICK FRAGMENT	10	1477g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32577	1	13	11	NAIL	HAND WROUGHT, CORRODED NAIL FRAGMENT	1	5.7g
SAMA 32578	1	13	11	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	3	15.7g
SAMA 32579	1	14	12	BODY SHERD	TIN ENAMEL, HANDPAINTED POLYCHROME, YELLOW/BROWN/RED	1	1.5g
SAMA 32580	1	14	12	RIM SHERD	CREAMWARE, EDGE-DECORATED, MOLDED	1	<0.1g
SAMA 32581	1	14	12	RIM SHERD	PEARLWARE JAR FRAGMENT, PLAIN	1	0.7g
SAMA 32582	1	14	12	STRUCTURAL MATERIAL	BRICK FRAGMENT	5	44.0g
SAMA 32583	1	14	12	GLASS BODY SHERD	MOLDED, COLORLESS	1	1.2g
SAMA 32584	1	14	12	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	6	17.4g
SAMA 32585	1	14	12	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	1	72.8g
SAMA 32586	1	14	12	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT	2	26.8g
SAMA 32587	1	14	12	INDETERMINATE WOOD OBJECT	INDETERMINATE WOOD OBJECT	1	7.4g
SAMA 32588	1	14	12	SPECIMEN (UNWORKED)	BIVALVE, MYA ARENARIA	1	4.2g
SAMA 32589	1	14	12	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC FLAT BONE FRAGMENT, BUTCHER MARKS (CUT), GNAW MARKS	1	2.2g
SAMA 32590	1	14	12	SPECIMEN (UNWORKED)	FISH, UNDIAGNOSTIC VERTEBRAE	2	0.8g
SAMA 32591	1	14	12	SPECIMEN (UNWORKED)	FISH, UNDIAGNOSTIC BONE FRAGMENT	23	2.4g
SAMA 32592	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS FEMUR	1	0.1g
SAMA 32593	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS ULNA	1	0.1g
SAMA 32594	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS RIB	1	<0.1g
SAMA 32595	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS HUMERUS FRAGMENT	1	0.2g
SAMA 32596	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS TIBIA FRAGMENT	1	<0.1g
SAMA 32597	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS FEMUR-DISTAL EPIPHYSIS FRAGMENT	1	<0.1g
SAMA 32598	1	14	12	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS FEMUR	1	<0.1g
SAMA 32599	1	14	12	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC FLAT BONE FRAGMENT	1	1.0g
SAMA 32600	1	14	12	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC BONE FRAGMENT	2	0.6g
SAMA 32601	2	6	8	RIM SHERD	CREAMWARE, PLAIN	1	0.5g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32602	2	6	8	BODY SHERD	PEARLWARE, TRANSFER-PRINTED, PURPLE	1	1.2g
SAMA 32603	2	6	8	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	<0.1g
SAMA 32604	2	6	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	6	25.8g
SAMA 32605	2	6	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	1	0.4g
SAMA 32606	2	6	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	0.8g
SAMA 32607	2	6	8	BUTTON	2 PIECE STAMPED FRAGMENT	1	1.0g
SAMA 32608	2	6	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	18.6g
SAMA 32609	2	6	8	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	26.7g
SAMA 32610	2	10	11	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES	1	4.9g
SAMA 32611	2	10	11	RIM SHERD	TIN ENAMEL, UNIDENTIFIED	1	0.7g
SAMA 32612	2	10	11	STRUCTURAL MATERIAL	HAND FORMED BRICK FRAGMENT	8	428.9g
SAMA 32613	2	10	11	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	4	2.8g
SAMA 32614	2	10	11	BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.4g
SAMA 32615	2	10	11	NAIL	HAND WROUGHT COPPER BRAD	2	4.9g
SAMA 32616	2	10	11	INDETERMINATE METAL OBJECT	COPPER DISC (POSSIBLE TOKEN), CORRODED	1	6.2g
SAMA 32617	2	10	11	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	2	58.7g
SAMA 32618	3	6	6	BODY SHERD	UNIDENTIFIED EARTHENWARE BODY SHERD	2	2.1g
SAMA 32619	3	6	6	BODY SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE	2	0.9g
SAMA 32620	3	6	6	RIM SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE	1	0.4g
SAMA 32621	3	6	6	BODY SHERD	DOMESTIC STONWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN; SALT GLAZED 1 SURFACE (EXTERIOR)	2	11.0g
SAMA 32622	3	6	6	STRUCTURAL MATERIAL	BRICK-FRAGMENT	3	8.3g
SAMA 32623	3	6	6	GLASS NECK SHERD	MACHINE-MADE MANUFACTURE, BRANDY FINISH COLORLESS BOTTLE FRAGMENT	1	19.2g
SAMA 32624	3	6	6	GLASS BODY SHERD	MOLDED, COLORLESS	2	1.4g
SAMA 32625	3	6	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	6	3.1g
SAMA 32626	3	6	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	4	2.5g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32627	3	6	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	1	0.7g
SAMA 32628	3	6	6	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	2	1.2g
SAMA 32629	3	6	6	NAIL	MACHINE CUT INDETERMINATE, CORRODED NAIL	1	11.9g
SAMA 32630	3	6	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	5	23.1g
SAMA 32631	3	6	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	2	19.1g
SAMA 32632	3	8	7	BODY SHERD	REDWARE, UNIDENTIFIED	2	3.2g
SAMA 32633	3	8	7	BODY SHERD	PEARLWARE, PLAIN	1	1.3g
SAMA 32634	3	8	7	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	2.6g
SAMA 32635	3	8	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.9g
SAMA 32636	3	8	7	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, BLUE	1	0.4g
SAMA 32637	3	8	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	26.1g
SAMA 32638	3	9	8	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	<0.1g
SAMA 32639	3	9	8	NAIL	HAND WROUGHT COPPER BRAD	1	2.7g
SAMA 32640	3	10	10	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	1.1g
SAMA 32641	3	10	10	BODY SHERD	REDWARE, UNIDENTIFIED	2	2.5g
SAMA 32642	3	10	10	STRUCTURAL MATERIAL	BRICK-FRAGMENT	2	1.3g
SAMA 32643	3	10	10	GLASS BODY SHERD	FREEBLOWN, INCLUSIONS (AIR BUBBLES); GREEN	1	0.9g
SAMA 32644	3	10	10	INDETERMINATE METAL OBJECT	INDETERMINATE COPPER PROBLEMATIC	2	1.1g
SAMA 32645	3	10	10	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	30.0g
SAMA 32646	3	14	9	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	1.4g
SAMA 32647	3	14	9	RIM SHERD	PEARLWARE, EDGE-DECORATED, BLUE PAINTED	1	0.6g
SAMA 32648	3	14	9	BODY SHERD	WHITEWARE, PLAIN, MOLDED	1	2.8g
SAMA 32649	3	14	9	TOBACCO PIPE	BOWL, MOLDED, WHITE CLAY, STAMPED "/PE/" = PHILLIP EDWARDS	1	2.0g
SAMA 32650	3	14	9	TOBACCO PIPE	STEMS, INDETERMINATE BORE DIAMETER, WHITE CLAY	2	2.1g
SAMA 32651	3	14	9	STRUCTURAL MATERIAL	BRICK-FRAGMENT	6	25.3g
SAMA 32652	3	14	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE COLORLESS BODY SHERD	3	1.4g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32653	3	14	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	<0.1g
SAMA 32654	3	14	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	1	4.0g
SAMA 32655	3	14	9	WINDOWPANE-FRAGMENT	INDETERMINATE, COLORLESS	3	2.8g
SAMA 32656	3	14	9	NAIL	INDETERMINATE MANUFACTURE, SPIKE	1	47.3g
SAMA 32657	3	14	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	10	80.1g
SAMA 32658	3	14	12	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	2	4.8g
SAMA 32659	3	14	12	BODY SHERD	REDWARE, UNIDENTIFIED	1	0.5g
SAMA 32660	3	14	12	RIM SHERD	PEARLWARE, HANDPAINTED POLYCHROME FLORAL PATTERN, BAND BELOW RIM, MENDS (1)	2	0.6g
SAMA 32661	3	14	12	STRUCTURAL MATERIAL	BRICK-FRAGMENT	4	155.3g
SAMA 32662	3	14	12	GLASS BASAL SHERD	FREEBLOWN, COLORLESS, PONTIL MARK (IRON ROD)	1	11.7g
SAMA 32663	3	14	12	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	2	2.9g
SAMA 32664	3	14	12	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	3	3.2g
SAMA 32665	3	14	12	WINDOWPANE-FRAGMENT	INDETERMINATE, COLORLESS	1	0.8g
SAMA 32666	3	14	12	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	<0.1g
SAMA 32667	3	14	12	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	14.2g
SAMA 32668	3	14	12	INDETERMINATE METAL OBJECT	COPPER STAMPED METAL OBJECT, MENDS (1)	2	<0.1g
SAMA 32669	3	14	12	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	45.9g
SAMA 32670	3	14	13	BODY SHERD	PEARLWARE, PLAIN	1	0.5g
SAMA 32671	3	14	13	GLASS BODY SHERD	PATTERN MOLDED, AQUA	1	0.8g
SAMA 32672	3	14	13	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.7g
SAMA 32673	3	14	13	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	1.6g
SAMA 32674	3	14	13	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	1	1.4g
SAMA 32675	3	14	13	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	1.1g
SAMA 32676	3	14	13	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	8	94.9g
SAMA 32677	3	14	13	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC BONE FRAGMENT	1	1.5g
SAMA 32678	3	14	13	UNIDENTIFIED OBJECT	BURNT MATERIAL	2	3.1g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32679	3	14	14	BODY SHERD	PEARLWARE, HANDPAINTED MONOCHROME, BROWN STAR PATTERN	1	0.2g
SAMA 32680	3	14	14	BODY SHERD	WHITE SALT GLAZED STONEWARE, PLAIN	1	0.8g
SAMA 32681	3	14	14	STRUCTURAL MATERIAL	BRICK-FRAGMENT	2	6.6g
SAMA 32682	3	14	14	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	13.6g
SAMA 32683	3	14	14	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.7g
SAMA 32684	3	14	14	WINDOWPANE-FRAGMENT	PLATE GLASS, AQUA	1	4.8g
SAMA 32685	3	14	14	NAIL	INDETERMINATE CORRODED NAIL-FRAGMENT	5	35.4g
SAMA 32686	3	14	15	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	0.5g
SAMA 32687	3	14	15	RIM SHERD	PEARLWARE, SHELL-EDGED, BLUE	1	0.5g
SAMA 32688	3	14	15	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	<0.1g
SAMA 32689	3	14	15	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, WHITE CLAY	1	2.0g
SAMA 32690	3	14	15	GLASS BODY SHERD	MOLDED, COLORLESS	1	1.1g
SAMA 32691	3	14	15	GLAS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	<0.1g
SAMA 32692	3	14	15	GLAS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	9.1g
SAMA 32693	3	14	15	WINDOWPANE-FRAGMENT	PLATE GLASS, AQUA	5	13.8g
SAMA 32694	3	14	15	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	5	108.1g
SAMA 32695	3	14	15	INDETERMINATE SYNTHETIC OBJECT	PLASTIC FRAGMENTS	3	0.4g
SAMA 32696	3	14	16	BODY SHERD	REDWARE, UNIDENTIFIED	2	0.5g
SAMA 32697	3	14	16	BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); GREEN	1	<0.1g
SAMA 32698	3	14	16	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.3g
SAMA 32699	3	15	11	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	0.8g
SAMA 32700	4	7	7	BODY SHERD	WHITEWARE, PLAIN	1	0.2g
SAMA 32701	4	7	7	BODY SHERD	WHITEWARE (IRONSTONE), TRANSFER-PRINTED, BLUE	1	1.5g
SAMA 32702	4	7	7	BASAL SHERD	WHITEWARE (IRONSTONE) BOWL FRAGMENT, TRANSFER-PRINTED, BLUE	1	114.6g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32703	4	7	7	BODY SHERD	DOMESTIC STONEWARE, ALBANY-SLIPPED	1	9.3g
SAMA 32704	4	7	7	TOBACCO PIPE	BOWL, MOLDED, WHITE CLAY	1	1.0g
SAMA 32705	4	7	7	STRUCTURAL MATERIAL	HAND FORMED BRICK-FRAGMENT	16	4108.0 g
SAMA 32706	4	7	7	GLASS BODY SHERD	PRESS MOLDED, GRAPE CLUSTER MOTIF, PURPLE	1	5.8g
SAMA 32707	4	7	7	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ED-/", COLORLESS BOTTLE-FRAGMENT	1	3.8g
SAMA 32708	4	7	7	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY SCRIPT "/-A-/", COLORLESS BOTTLE-FRAGMENT	1	1.4g
SAMA 32709	4	7	7	GLASS SHOULDER SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ORCHESTER, MA/", LIGHT BLUE BOTTLE-FRAGMENT	1	39.2g
SAMA 32710	4	7	7	GLASS BODY SHERD	MOLDED,COLORLESS	2	2.6g
SAMA 32711	4	7	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	6	7.6g
SAMA 32712	4	7	7	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN BOTTLE-FRAGMENT	1	5.7g
SAMA 32713	4	7	7	GLASS BASAL SHERD	INDETERMINATE MANUFACTURE, GREEN BOTTLE-FRAGMENT	1	37.4g
SAMA 32714	4	7	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	8	138.7g
SAMA 32715	4	7	7	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC FLAT BONE -FRAGMENT, BUTCHER MARKS (CUT)	1	0.3g
SAMA 32716	4	7	8	TOBACCO PIPE	STEM, 6/64 BORE DIAMETER, WHITE CLAY	1	0.7g
SAMA 32717	4	7	8	STRUCTURAL MATERIAL	SOFT-MUD MACHINE MADE BRICK-FRAGMENT	1	262.2g
SAMA 32718	4	7	8	STRUCTURAL MATERIAL	HAND FORMED SAND STRUCK BRICK-FRAGMENT	4	281.4g
SAMA 32719	4	7	8	GLASS BASAL SHERD	MOLDED, COLORLESS	1	2.8g
SAMA 32720	4	7	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	1.8g
SAMA 32721	4	7	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.9g
SAMA 32722	4	7	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN BOTTLE-FRAGMENT	1	7.4g
SAMA 32723	4	7	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	39.8g
SAMA 32724	4	7	8	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	2	68.7g
SAMA 32725	4	10	8	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, SLIP DECORATION (YELLOW), WHITE CLAY	1	1.5g
SAMA 32726	4	10	8	TOBACCO PIPE	STEM, 4/64 BORE DIAMETER, WHITE CLAY	1	0.6g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32727	4	10	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	4	99.4g
SAMA 32728	4	10	8	NAIL	HAND WROUGHT CORRODED NAIL	1	5.7g
SAMA 32729	4	11	9	BODY SHERD	REDWARE PLATTER FRAGMENT, LEAD GLAZED 2 SURFACES, CLEAR	1	15.9g
SAMA 32730	4	11	9	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT BLUE	3	5.3g
SAMA 32731	4	11	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	7	44.6g
SAMA 32732	4	11	9	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	3	57.9g
SAMA 32733	4	11	9	SPECIMEN (UNWORKED)	BOS TAURUS, CALCINEOUS FRAGMENT	1	43.9g
SAMA 32734	4	11	9	SPECIMEN (UNWORKED)	RATTUS NORVEGICUS, TIBIA FRAGMENT	2	0.3g
SAMA 32735	4	11	9	SPECIMEN (UNWORKED)	MAMMAL, FEMUR FRAGMENT, MENDS (3)	4	5.8g
SAMA 32736	4	11	10	BODY SHERD	REDWARE, BUCKLEY TYPE	1	1.0g
SAMA 32737	4	11	10	BODY SHERD	COARSE BUFF-BODY, BORDER WARE-LIKE, CLEAR GLAZE	1	1.1g
SAMA 32738	4	11	10	BODY SHERD	CREAMWARE, PLAIN	2	0.5g
SAMA 32739	4	11	10	BODY SHERD	PEARLWARE, PLAIN	1	1.0g
SAMA 32740	4	11	10	BODY SHERD	PEARLWARE, HANDPAINTED, BLUE FLORAL PATTERN	1	3.0g
SAMA 32741	4	11	10	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	0.3g
SAMA 32742	4	11	10	RIM SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE CUP FRAGMENT, PLAIN	1	0.1g
SAMA 32743	4	11	10	BASAL SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	1.0g
SAMA 32744	4	11	10	RIM SHERD	WHITE SALT GLAZED STONEWARE CUP FRAGMENT, PLAIN	1	<0.1g
SAMA 32745	4	11	10	BODY SHERD	WESTERWALD/RAEREN STONEWARE, PLAIN	1	0.6g
SAMA 32746	4	11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	3.9g
SAMA 32747	4	11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.4g
SAMA 32748	4	11	10	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	5.1g
SAMA 32749	4	11	10	WINDOWPANE-FRAGMENT	INDETERMINATE, AQUA	2	1.2g
SAMA 32750	4	11	10	TOY	GLASS MARBLE, FREEBLOWN, BLUE AND COPPER SWIRLS	1	5.9g
SAMA 32751	4	11	10	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	22	98.3g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32752	4	11	10	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	5	33.7g
SAMA 32753	4	11	10	SPECIMEN (UNWORKED)	SUS SCROFA MOLAR FRAGMENT, MENDS (1)	2	8.0g
SAMA 32754	4	11	10	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE FRAGMENT, GNAW MARKS (RODENT)	1	0.5g
SAMA 32755	4	11	10	SPECIMEN (UNWORKED)	BIRD, UNDIAGNOSTIC LONG BONE FRAGMENT	2	0.9g
SAMA 32756	4	14	12	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	0.9g
SAMA 32757	4	14	12	BODY SHERD	COARSE BUFF-BODY, NORTH DEVON	2	4.8g
SAMA 32758	4	14	12	BODY SHERD	COARSE BUFF-BODY, UNIDENTIFIED	1	0.7g
SAMA 32759	4	14	12	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); GREEN	2	1.2g
SAMA 32759	4	14	12	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	8	49.5g
SAMA 32761	4	14	13	TOY	WHITE CLAY MARBLE FRAGMENT	1	0.7g
SAMA 32762	4	14	13	BUTTON	1 PIECE CAST, SIMILAR TO SOUTH TYPE 1	1	6.2g
SAMA 32763	4	16	9	BODY SHERD	PEARLWARE, TRANSFER-PRINTED, BLUE	1	0.9g
SAMA 32764	4	16	9	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN, UNIDENTIFIABLEMAKER'S MARK	1	1.4g
SAMA 32765	4	16	9	STRUCTURAL MATERIAL	HAND FORMED BRICK-FRAGMENT	37	2248.0 g
SAMA 32766	4	16	9	GLASS BODY SHERD	MOLDED, COLORLESS	1	1.9g
SAMA 32767	4	16	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	4	4.2g
SAMA 32768	4	16	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	24.7g
SAMA 32769	4	16	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	27.2g
SAMA 32770	4	16	9	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	3	16.7g
SAMA 32771	4	19	11	RIM SHERD	REDWARE JAR FRAGMENT, ASTBURY, ENGINE TURNED	1	0.8g
SAMA 32772	4	19	11	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	14.6g
SAMA 32773	5	6	5	BODY SHERD	PEARLWARE, PLAIN	1	0.6g
SAMA 32774	5	6	5	STRUCTURAL MATERIAL	BRICK-FRAGMENT	3	9.0g
SAMA 32775	5	6	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	1.4g
SAMA 32776	5	6	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	1.2g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32777	5	6	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, OLIVE	1	1.1g
SAMA 32778	5	6	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	40.7g
SAMA 32779	5	10	8	BASAL SHERD	CREAMWARE, PLAIN	1	0.4g
SAMA 32780	5	10	8	BODY SHERD	PEARLWARE, PLAIN	1	<0.1g
SAMA 32781	5	10	8	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	2	0.5g
SAMA 32782	5	10	8	BODY SHERD	ENGLISH BROWN STONEWARE (FULHAM), BROWN	4	6.5g
SAMA 32783	5	10	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	4	7.1g
SAMA 32784	5	10	8	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.4g
SAMA 32785	5	10	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	9.5g
SAMA 32786	5	10	8	SPECIMEN (UNWORKED)	INDETERMINATE SHELL-FRAGMENT	2	9.5g
SAMA 32787	5	10	9	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	0.5g
SAMA 32788	5	10	9	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	1.0g
SAMA 32789	5	10	9	BODY SHERD	CREAMWARE, PLAIN	1	0.5g
SAMA 32790	5	10	9	BODY SHERD	PEARLWARE, ANNULAR, MENDS (2)	2	9.3g
SAMA 32791	5	10	9	STRUCTURAL MATERIAL	BRICK-FRAGMENT	6	352.4g
SAMA 32792	5	10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BLUE	1	0.2g
SAMA 32793	5	10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	1	0.7g
SAMA 32794	5	10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	0.5g
SAMA 32795	5	10	9	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHITE (OPAQUE)	1	0.9g
SAMA 32796	5	10	9	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT AQUA	1	<0.1g
SAMA 32797	5	10	9	BUTTON	1 PIECE STAMPED, OMEGA SHANK, BACK MARK "/COLOUR/GILT/"	1	3.9g
SAMA 32798	5	10	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	17.6g
SAMA 32799	5	10	9	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	12.9g
SAMA 32800	6	9	2	BODY SHERD	PEARLWARE, PLAIN	1	0.3g
SAMA 32801	6	9	2	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, BLUE, MOLDED	1	0.6g
SAMA 32802	6	9	2	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	0.2g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32803	6	9	2	GLASS BODY SHERD	FREEBLOWN, GREEN BOTTLE-FRAGMENT	1	3.4g
SAMA 32804	6	9	2	INDETERMINATE METAL OBJECT	INDETERMINATE METAL OBJECT	1	0.6g
SAMA 32805	6	10	3	BODY SHERD	REDWARE, PLAIN	6	9.2g
SAMA 32806	6	10	3	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR)	6	19.2g
SAMA 32807	6	10	3	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR)	1	3.7g
SAMA 32808	6	10	3	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), MENDS (4)	5	32.9g
SAMA 32809	6	10	3	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: BROWN INTERIOR, BLACK EXTERIOR	1	0.4g
SAMA 32810	6	10	3	BODY SHERD	CREAMWARE, PLAIN	4	1.6g
SAMA 32811	6	10	3	RIM SHERD	CREAMWARE, PLAIN	1	0.5g
SAMA 32812	6	10	3	BASAL SHERD	PEARLWARE, PLAIN	1	2.0g
SAMA 32813	6	10	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	<0.1g
SAMA 32814	6	10	3	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	1.7g
SAMA 32815	6	10	3	GLASS LIP SHERD	INDETERMINATE MANUFACTURE, COLORLESS, DRINKING GLASS-FRAGMENT	1	1.6g
SAMA 32816	6	10	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	<0.1g
SAMA 32817	6	10	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	1.0g
SAMA 32818	6	10	3	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	<0.1g
SAMA 32819	6	10	3	BUTTON	1 PIECE STAMPED, FLORAL DESIGN ON FACE: CENTRAL FLOWER WITH RING OF 12 SURROUNDING FLOWERS, BACK MARK "/IMPERIAL STANDARD/"	1	0.9g
SAMA 32820	6	10	3	COAL	COAL	3	3.4g
SAMA 32821	6	12	4	GLASS LIP SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
SAMA 32822	6	12	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
SAMA 32823	6	12	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.6g
SAMA 32824	6	12	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	1	5.1g
SAMA 32825	6	12	4	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	1.0g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32826	6	14	8	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), GREEN; MENDS (1), CROCK-FRAGMENT	2	109.0g
SAMA 32827	6	14	8	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	2	1.2g
SAMA 32828	6	14	8	NAIL	INDETERMINATE CORRODED NAIL-FRAGMENT	9	66.0g
SAMA 32829	6	14	8	SPECIMEN (UNWORKED)	FISH, UNDIAGNOSTIC CRANIUM-FRAGMENT	1	1.3g
SAMA 32830	6	14	8	SPECIMEN (UNWORKED)	CF. OVIS/CAPRA, UNDIAGNOSTIC HUMERUS, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	1	5.1g
SAMA 32831	6	14	9	BASAL SHERD	REDWARE, LEAD GLAZED 2 SURFACES	1	123.9g
SAMA 32832	6	18	5	GLASS NECK SHERD	FREEBLOWN, GREEN BOTTLE-FRAGMENT	1	5.0g
SAMA 32833	6	18	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BLUE	2	1.0g
SAMA 32834	6	18	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT AQUA	1	6.3g
SAMA 32835	6	18	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	26.7g
SAMA 32836	6	20	6	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	1	0.5g
SAMA 32837	6	20	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	9	92.3g
SAMA 32838	6	20	7	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	1	1.9g
SAMA 32839	6	20	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	20.5g
SAMA 32840	6	20	7	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	2.8g
SAMA 32841	7	9	2	BODY SHERD	PORCELAIN, UNDERGLAZE HANDPAINTED POLYCHROME (FLORAL DESIGN; GREEN, PURPLE)	1	<0.1g
SAMA 32842	7	9	2	STRUCTURAL MATERIAL	BRICK-FRAGMENT	7	31.4g
SAMA 32843	7	9	2	GLASS BODY SHERD	CONTACT MOLDED, LIGHT AQUA	1	2.4g
SAMA 32844	7	9	2	GLASS SHOULDER SHERD	CONTAL MOLDED, LIGHT BLUE BOTTLE-FRAGMENT	1	1.3g
SAMA 32845	7	9	2	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.9g
SAMA 32846	7	9	2	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	1.2g
SAMA 32847	7	9	2	BOTTLE CLOSURE	CROWN, CORRODED CAP-FRAGMENT	1	3.6g
SAMA 32848	7	9	2	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	3	11.3g
SAMA 32849	7	10	2	BASAL SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	5.0g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32850	7	10	2	BODY SHERD	CREAMWARE, PLAIN	1	0.5g
SAMA 32851	7	10	2	STRUCTURAL MATERIAL	BRICK-FRAGMENT	9	45.3g
SAMA 32852	7	12	3	BODY SHERD	PEARLWARE, PLAIN	17	8.7g
SAMA 32853	7	12	3	STRUCTURAL MATERIAL	BRICK	18	78.9g
SAMA 32854	7	12	3	GLASS BODY SHERD	MOLDED, INDETERMINATE MAUFACTURE, COLORLESS	1	1.5g
SAMA 32855	7	12	3	GLASS BODY SHERD	MOLDED, INDETERMINATE MANUFACTURE, LIGHT BLUE	2	1.8g
SAMA 32856	7	12	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	0.9g
SAMA 32857	7	12	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	<0.1g
SAMA 32858	7	12	3	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT AQUA	1	0.2g
SAMA 32859	7	12	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	23.2g
SAMA 32860	7	14	8	STRUCTURAL MATERIAL	BRICK-FRAGMENT	8	25.4g
SAMA 32861	7	14	8	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	19.9g
SAMA 32862	7	14	9	BODY SHERD	REDWARE, BUCKLEY TYPE	1	2.6g
SAMA 32863	7	14	9	STRUCTURAL MATERIAL	BRICK-FRAGMENT	7	14.9g
SAMA 32864	7	14	9	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.6g
SAMA 32865	7	14	9	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	13.0g
SAMA 32866	7	18	4	BODY SHERD	CREAMWARE, PLAIN	3	1.0g
SAMA 32867	7	18	4	RIM SHERD	CREAMWARE, PLAIN, PLATE-FRAGMENT	1	1.1g
SAMA 32868	7	18	4	GLASS LIP SHERD	PRESS MOLDED, COLORLESS, TUMBLER-FRAGMENT	1	3.2g
SAMA 32869	7	18	4	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	1	1.3g
SAMA 32870	7	18	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); COLORLESS; MENDS (1)	2	12.7g
SAMA 32871	7	18	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	2	0.4g
SAMA 32872	7	18	4	INDETERMINATE GLASS	FLAT GLASS, DARK AQUA	1	0.4g
SAMA 32873	7	18	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	10	74.7g
SAMA 32874	7	18	5	BASAL SHERD	PEARLWARE, PLAIN	1	0.8g
SAMA 32875	7	18	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	2.2g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32876	7	18	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	1	0.5g
SAMA 32877	7	18	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	4	43.4g
SAMA 32878	7	20	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, GREEN	1	1.4g
SAMA 32879	7	20	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	1.5g
SAMA 32880	7	20	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: GREEN INTERIOR, BLACK EXTERIOR	1	0.8g
SAMA 32881	7	20	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	3.4g
SAMA 32882	7	20	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	1.6g
SAMA 32883	7	20	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	18	208.8g
SAMA 32884	7	20	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED METAL OBJECT	4	121.4g
SAMA 32885	7	20	7	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	1.1g
SAMA 32886	7	20	7	BODY SHERD	PEARLWARE, PLAIN	1	1.0g
SAMA 32887	7	20	7	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	0.9g
SAMA 32888	7	20	7	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	34.6g
SAMA 32889	8	12	3	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	8.9g
SAMA 32890	8	12	3	RIM SHERD	REDWARE, PLAIN	1	1.9g
SAMA 32891	8	12	3	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN, MENDS (1)	2	8.1g
SAMA 32892	8	12	3	BODY SHERD	WESTERWALD/RAEREN STONEWARE, SALT GLAZED EXTERIOR, BROWN-SLIPPED INTERIOR	1	2.0g
SAMA 32893	8	12	3	GLASS BODY SHERD	FREEBLOWN, INCLUSIONS (AIR BUBBLES), GREEN	1	8.1g
SAMA 32894	8	12	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	1	10.5g
SAMA 32895	8	12	3	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT-FRAGMENT	2	3.0g
SAMA 32896	8	14	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	2	2.9g
SAMA 32897	8	14	5	BODY SHERD	REDWARE, BUCKLEY TYPE	1	4.4g
SAMA 32898	8	14	5	STRUCTURAL MATERIAL	BRICK-FRAGMENT	24	195.9g
SAMA 32899	8	14	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	2	0.7g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32900	8	14	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, GREEN	1	0.5g
SAMA 32901	8	14	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, LIGHT BLUE	1	0.5g
SAMA 32902	8	14	5	LIGHTING FIXTURE	LAMP CHIMNEY FRAGMENT, AQUA	1	<0.1g
SAMA 32903	8	14	5	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.4g
SAMA 32904	8	14	5	INDETERMINATE GLASS	FLAT GLASS, AQUA	1	<0.1g
SAMA 32905	8	14	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	6	23.6g
SAMA 32906	8	14	5	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	2	2.3g
SAMA 32907	8	22	2	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE, BROWN	1	2.2g
SAMA 32908	8	22	2	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR), BROWN, PLATE-FRAGMENT	1	32.6g
SAMA 32909	8	22	2	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	1	<0.1g
SAMA 32910	8	25	6	STRUCTURAL MATERIAL	BRICK-FRAGMENT	1	11.6g
SAMA 32911	8	25	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	1	4.9g
SAMA 32912	8	26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: CLEAR INTERIOR, BROWN EXTERIOR	1	0.6g
SAMA 32913	8	26	6	RIM SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BROWN	1	4.9g
SAMA 32914	8	26	6	TOBACCO PIPE	STEM, 6/64 BORE DIAMETER, WHITE CLAY	1	3.1g
SAMA 32915	8	26	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	10	41.1g
SAMA 32916	8	26	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	36.1g
SAMA 32917	8	26	6	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE-FRAGMENT	14	3.6g
SAMA 32918	9	12	3	BODY SHERD	WESTERWALD/RAEREN STONEWARE, SALT GLAZED EXTERIOR, BROWN-SLIPPED INTERIOR, MENDS (1)	1	4.0g
SAMA 32919	9	12	3	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	80.9g
SAMA 32920	9	12	3	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	3	5.0g
SAMA 32921	9	12	3	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT BONE-FRAGMENT	2	1.3g
SAMA 32922	9	14	4	WINDOWPANE-FRAGMENT	INDETERMINATE, AQUA	4	2.3g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32923	9	14	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: CLEAR INTERIOR, BROWN EXTERIOR	1	1.5g
SAMA 32924	9	14	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: CLEAR INTERIOR, BLACK EXTERIOR	1	3.5g
SAMA 32925	9	14	5	STRUCTURAL MATERIAL	BRICK-FRAGMENT	3	3.5g
SAMA 32926	9	14	5	NAIL	INDETERMINATE MANUFACTURE CORRODED NAIL-FRAGMENT	1	0.4g
SAMA 32927	9	22	2	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, WHITE CLAY	1	1.9g
SAMA 32928	9	22	2	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	1	0.8g
SAMA 32929	9	22	2	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	3	14.3g
SAMA 32930	9	26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	5.9g
SAMA 32931	9	26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES: BROWN INTERIOR, BLACK EXTERIOR	1	3.2g
SAMA 32932	9	26	6	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES CLEAR INTERIOR, BROWN EXTERIOR	1	2.1g
SAMA 32933	9	26	6	BODY SHERD	REDWARE, BUCKLEY TYPE	1	3.3g
SAMA 32934	9	26	6	BODY SHERD	REDWARE, MANGANESE MOTTLED, SAME VESSEL AS SAMA-32935, JAR-FRAGMENT	2	1.1g
SAMA 32935	9	26	6	RIM SHERD	REDWARE, MANGANESE MOTTLED, MENDS (1), SAME VESSEL AS SAMA-32934, JAR-FRAGMENT	2	5.7g
SAMA 32936	9	26	6	RIM SHERD	REDWARE, MANGANESE MOTTLED, MENDS (2), DIFFERENT VESSEL THAN SAMA-32935, JAR-FRAGMENT	3	8.5g
SAMA 32937	9	26	6	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	0.8g
SAMA 32938	9	26	6	STRUCTURAL MATERIAL	HAND FORMED BRICK-FRAGMENT	3	44.5g
SAMA 32939	9	26	6	GLASS BODY SHERD	FREEBLOWN, GREEN, BOTTLE-FRAGMENT	1	4.5g
SAMA 32940	9	26	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	7	43.7g
SAMA 32941	9	26	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	1	23.4g
SAMA 32942	9	26	6	GUNFLINT	ROUNDED HEEL, FRENCH HONEY-COLORED FLINT, FRAGMENT	1	0.9g
SAMA 32943	9	26	6	COAL	COAL	1	8.5g
SAMA 32944	9	26	6	SLAG	CINDER SLAG	2	6.3g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32945	9	26	6	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC CRANIUM-FRAGMENT	3	1.1g
SAMA 32946	10	10	1	BODY SHERD	REDWARE, LEAD GLAZED 1 SURFACE (EXTERIOR)	2	0.6g
SAMA 32947	10	10	1	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	0.7g
SAMA 32948	10	10	1	RIM SHERD	TIN ENAMEL, DELFT	1	<0.1g
SAMA 32949	10	10	1	BODY SHERD	CREAMWARE, PLAIN, MEND (1)	3	1.2g
SAMA 32950	10	10	1	BODY SHERD	PEARLWARE, PLAIN	1	0.2g
SAMA 32951	10	10	1	RIM SHERD	PEARLWARE, SHELL-EDGED, BLUE SCALLOPED RIM, PLATE	1	0.8g
SAMA 32952	10	10	1	BODY SHERD	PEARLWARE, OTHER (MOCHA); BROWN, BLUE, MENDS (7), CROSSMENDS (3 TO SAMA 32953), MUG	8	6.0g
SAMA 32953	10	10	1	RIM SHERD	PEARLWARE, OTHER (MOCHA)MENDS (3), CROSSMENDS (3 TO SAMA 32952), MUG	4	4.9g
SAMA 32954	10	10	1	INDETERMINATE GLASS	FLAT GLASS, LIGHT AQUA	1	<0.1g
SAMA 32955	10	10	1	NAIL	INDETERMINATE CORRODED NAILFRAGMENT	2	38.5g
SAMA 32956	10	10	1	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT, POT POLISH, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	1	3.6g
SAMA 32957	10	10	1	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC, LONG BONE SHAFT, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	5	5.5g
SAMA 32958	10	11	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); BLUE	1	0.3g
SAMA 32959	10	11	3	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	3	3.0g
SAMA 32960	10	11	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	7	43.5g
SAMA 32961	10	11	4	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	1.0g
SAMA 32962	10	11	4	BODY SHERD	ENGLISH BROWN STONEWARE, BROWN-SLIPPED INTERIOR	1	4.9g
SAMA 32963	10	11	4	LIP SHERD	FREEBLOWN, COLORLESS, DRINKING GLASS	1	1.3g
SAMA 32964	10	11	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, INCLUSIONS (AIR BUBBLES); BLUE	3	3.3g
SAMA 32965	10	11	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, BLUE	5	3.1g
SAMA 32966	10	11	4	LIGHTING FIXTURE	LAMP CHIMNEY FRAGMENTS, AQUA	2	<0.1g
SAMA 32967	10	11	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	19	116.1g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32968	10	11	4	BOLT	INDETERMINATE MANUFACTURE, SQUARE WASHER ATTACHED, CORRODED	1	28.6g
SAMA 32969	10	11	4	SLAG	SLAG	4	42.3g
SAMA 32970	10	14	6	RIM SHERD	REDWARE, MANGANESE MOTTLED, JAR	1	1.9g
SAMA 32971	10	14	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	2	16.6g
SAMA 32972	10	14	6	SPECIMEN (UNWORKED)	IMMATURE BOS TAURUS, TIBIA, PROXIMAL EPIPHYSIS, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	2	53.0g
SAMA 32973	10	20	5	RIM SHERD	REDWARE, LEAD GLAZED 1 SURFACE (INTERIOR)	1	3.5g
SAMA 32974	10	20	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BROWN	1	4.2g
SAMA 32975	10	20	5	BODY SHERD	REDWARE, LEAD GLAZED 2 SURFACES, BLACK	1	8.4g
SAMA 32976	10	20	5	GLASS BODY SHERD	FREEBLOWN, GREEN	1	0.9g
SAMA 32977	10	20	5	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	2	1.4g
SAMA 32978	10	20	5	LIGHTING FIXTURE	LAMP CHIMNEY FRAGMENT, AQUA	1	<0.1g
SAMA 32979	10	20	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED SPIKE	1	220.2g
SAMA 32980	10	20	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL-FRAGMENT	29	222.2g
SAMA 32981	10	20	5	SPECIMEN (UNWORKED)	ARTIODACTYLA SP. METACARPAL/METATARSAL, DISTAL EPIPHYSIS. GNAW MARKS (CARNIVORE), BONE-FRAGMENT	1	2.3g
SAMA 32982	10	20	5	SPECIMEN (UNWORKED)	BIRD, UNDIAGNOSTIC, LONG BONE SHAFT, GNAW MARKS (CARNIVORE), BONE-FRAGMENT	2	0.6g
SAMA 32983	1	2	1	BODY SHERD	WHITEWARE, PLAIN	1	0.3g
SAMA 32984	1	2	1	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE	1	<0.1g
SAMA 32985	1	2	1	BODY SHERD	PORCELAIN, PLAIN	1	1.1g
SAMA 32986	1	2	1	STRUCTURAL MATERIAL	BRICK FRAGMENT	3	7.4g
SAMA 32987	1	2	1	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS BOTTLE FRAGMENT	1	0.8g
SAMA 32988	1	2	1	GLASS BODY SHERD	MOLDED, LIGHT BLUE	1	1.2g
SAMA 32989	1	2	1	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	8	7.6g
SAMA 32990	1	2	1	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	4	4.0g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 32991	1	2	1	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	2	7.2g
SAMA 32992	1	2	1	NAIL	INDETERMINATE CORRODED NAIL FRAGMENT	2	2.6g
SAMA 32993	1	2	1	CLOTHING	RED PLASTIC BEAD	1	0.4g
SAMA 32994	1	2	1	TOY	PLASTIC RING POP	1	1.1g
SAMA 32995	1	2	1	INDETERMINATE SYNTHETIC OBJECT	FLAT RED MOLDED PLASTIC OBJECT	1	0.2g
SAMA 32996	1	4	2	BODY SHERD	PEARLWARE, PLAIN	1	<0.1g
SAMA 32997	1	4	2	BODY SHERD	WHITEWARE, PLAIN	4	1.5g
SAMA 32998	1	4	2	RIM SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE	1	0.4g
SAMA 32999	1	4	2	RIM SHERD	PORCELAIN, GREEN-BANDED RIM	1	0.6g
SAMA 33000	1	4	2	STRUCTURAL MATERIAL	BRICK FRAGMENT	5	23.4g
SAMA 33001	1	4	2	GLASS BODY SHERD	MACHINE-MADE MANUFACTURE, OWENS SCAR, EMBOSSED BODY ("3/"), COLORLESS BOTTLE FRAGMENT	1	9.2g
SAMA 33002	1	4	2	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	3	2.1g
SAMA 33003	1	4	2	GLASS BODY SHERD	INDETERMINATE, COLORLESS	20	12.9g
SAMA 33004	1	4	2	GLASS BODY SHERD	INDETERMINATE, LIGHT BLUE	3	3.9g
SAMA 33005	1	4	2	GLASS BODY SHERD	INDETERMINATE, BROWN	1	1.0g
SAMA 33006	1	4	2	GLASS BODY SHERD	INDETERMINATE, WHITE (OPAQUE)	1	<0.1g
SAMA 33007	1	4	2	WINDOWPANE-FRAGMENT	INDETERMINATE, COLORLESS	8	3.2g
SAMA 33008	1	4	2	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	2	4.8g
SAMA 33009	1	4	2	NAIL	WIRE, CORRODED NAIL	2	4.8g
SAMA 33010	1	4	2	NAIL	WIRE, CORRODED NAIL FRAGMENT	4	11.1g
SAMA 33011	1	4	2	NAIL	INDETERMINATE MANUFACTURE CORRODED NAIL FRAGMENT	1	0.7g
SAMA 33012	1	4	2	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT, MENDS (1)	3	18.8g
SAMA 33013	1	4	2	INDETERMINATE SYNTHETIC OBJECT	PLASTIC SHEETING FRAGMENT? WHITE	1	0.1g
SAMA 33014	1	4	2	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	4	2.0g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33015	1	4	2	CHIPPED STONE	CRYPTOCRYSTALLINE DEBITAGE, CORTICAL PRIMARYFLAKE	1	0.1g
SAMA 33016	1	4	2	CHIPPED STONE	QUARTZ DEBITAGE, NON-CORTICAL FLAKE FRAGMENT	1	0.7g
SAMA 33017	1	5	3	BODY SHERD	REDWARE, PLAIN, FLOWER POT FRAGMENT	1	4.2g
SAMA 33018	1	5	3	BODY SHERD	PEARLWARE, TRANSFER-PRINTED, BLUE FLORAL PATTERN, 2 SURFACES	1	0.6g
SAMA 33019	1	5	3	BODY SHERD	WHITEWARE, PLAIN	7	2.7g
SAMA 33020	1	5	3	RIM SHERD	WHITEWARE, PLAIN	5	2.7g
SAMA 33021	1	5	3	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN, MENDS (1)	10	13.7g
SAMA 33022	1	5	3	RIM SHERD	WHITEWARE (IRONSTONE), PLAIN	3	1.1g
SAMA 33023	1	5	3	BODY SHERD	YELLOWWARE, ANNULAR; BLUE, WHITE	1	1.6g
SAMA 33024	1	5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, PLAIN	1	0.7g
SAMA 33025	1	5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, HANDPAINTED, BLUE; COARSE WHITE BODY	1	1.3g
SAMA 33026	1	5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, TRANSFER-PRINTED, BLUE; MENDS (1)	2	0.4g
SAMA 33027	1	5	3	BODY SHERD	UNIDENTIFIED WHITE BODIED EARTHENWARE, UNIDENTIFIED DECORATION, RED	1	0.3g
SAMA 33028	1	5	3	BODY SHERD	PORCELAIN, UNDECORATED	5	2.6g
SAMA 33029	1	5	3	BODY SHERD	PORCELAIN, OVERGLAZE HANDPAINTED, RED	3	4.1g
SAMA 33030	1	5	3	BODY SHERD	WESTERWALD/RAEREN STONEWARE, MOLDED EXTERIOR, PURPLE MANGANESE GLAZE	1	1.6g
SAMA 33031	1	5	3	BODY SHERD	DOMESTIC STONEWARE, ALBANY-SLIPPED 1 SURFACE (INTERIOR)	2	1.8g
SAMA 33032	1	5	3	BODY SHERD	DOEMESTIC STONEWARE, ALBANY-SLIPPED 2 SURFACES	1	2.2g
SAMA 33033	1	5	3	BODY SHERD	DOMESTIC STONEWARE, SALT GLAZED 1 SURFACE (EXTERIOR); BROWN-SLIPPED 1 SURFACE (INTERIOR)	1	1.6g
SAMA 33034	1	5	3	TOBACCO PIPE	STEM, 5/64 BORE DIAMETER, WHITE CLAY	1	1.2g
SAMA 33035	1	5	3	STRUCTURAL MATERIAL	BRICK FRAGMENT	15	521.1g
SAMA 33036	1	5	3	GLASS BASAL SHERD	PRESS MOLDED, RIBBED, COLORLESS, TUMBLER FRAGMENT	1	5.4g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33037	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, SEPARATE BASE, MENDS (1) LIGHT BLUE BOTTLE FRAGMENT	2	10.0g
SAMA 33038	1	5	3	GLASS LIP SHERD	TURN/PASTE MOLD CHAMPAGNE FINISH, MENDS (3), GREEN BOTTLE FRAGMENT	4	20.2g
SAMA 33039	1	5	3	GLASS NECK SHERD	MACHINE-MADE MANUFACTURE, CROWN FINISH, COLORLESS BOTTLE FRAGMENT	1	2.6g
SAMA 33040	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-8/", COLORLESS	1	1.2g
SAMA 33041	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-R-/", COLORLESS	1	0.8g
SAMA 33042	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-UI-/", COLORLESS	1	1.3g
SAMA 33043	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS	3	2.7g
SAMA 33044	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS BOTTLE FRAGMENT	1	2.9g
SAMA 33045	1	5	3	GLASS BODY SHERD	CONTACT MOLDED, LIGHT BLUE	1	0.3g
SAMA 33046	1	5	3	GLASS BASAL SHERD	CONTACT MOLDED, COLORLESS	1	3.0g
SAMA 33047	1	5	3	GLASS BASAL SHERD	CONTACT MOLDED, AQUA	1	12.8g
SAMA 33048	1	5	3	GLASS BASAL SHERD	CONTACT MOLDED, AMBER	1	1.7g
SAMA 33049	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, SOLARIZED	1	0.8g
SAMA 33050	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	70	71.1g
SAMA 33051	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	3	6.5g
SAMA 33052	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT AQUA	4	9.4g
SAMA 33053	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AQUA	2	1.4g
SAMA 33054	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	6	4.4g
SAMA 33055	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, DARK GREEN	3	5.9g
SAMA 33056	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	2	1.2g
SAMA 33057	1	5	3	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHITE (OPAQUE)	3	4.3g
SAMA 33058	1	5	3	GLASS LIP SHERD	INDETERMINATE MANUFACTURE, TAPERED LIP, COLORLESS	1	7.4g
SAMA 33059	1	5	3	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	30	14.3g
SAMA 33060	1	5	3	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	7	13.2g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33061	1	5	3	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL	8	39.1g
SAMA 33062	1	5	3	NAIL	MACHINE CUT, INDETERMINATE CORRODED SPIKE	2	138.9g
SAMA 33063	1	5	3	NAIL	MACHINE CUT, LATE, CORRODED RAILROAD SPIKE	1	258.9g
SAMA 33064	1	5	3	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	19	131.9g
SAMA 33065	1	5	3	NAIL	WIRE CORRODED NAIL	37	633.0g
SAMA 33066	1	5	3	NAIL	WIRE CORRODED NAIL FRAGMENT	25	185.0g
SAMA 33067	1	5	3	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	34	123.1g
SAMA 33068	1	5	3	SCREW	INDETERMINATE MANUFACTURE, CORRODED SCREW FRAGMENT	1	15.2g
SAMA 33069	1	5	3	STAPLE	CORRODED STAPLE FRAGMENT	1	4.9g
SAMA 33070	1	5	3	BOLT	CORRODED BOLT-FRAGMENT	2	96.9g
SAMA 33071	1	5	3	HAND TOOL	IRON PUNCH	1	23.1g
SAMA 33072	1	5	3	INDETERMINATE METAL OBJECT	CAST IRON OBJECT	1	17.2g
SAMA 33073	1	5	3	INDETERMINATE METAL OBJECT	WROUGHT IRON, CORRODED METAL OBJECT	1	15.3g
SAMA 33074	1	5	3	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT, MENDS (1)	5	31.6g
SAMA 33075	1	5	3	BOTTLE CLOSURE	BOTTLE CAP INTERIOR LINER	1	0.2g
SAMA 33076	1	5	3	PERSONAL OBJECT	PLASTIC COMB FRAGMENT	1	1.5g
SAMA 33077	1	5	3	INDETERMINATE SYNTHETIC OBJECT	THICK WHITE PLASTIC STRIP	1	0.1g
SAMA 33078	1	5	4	BODY SHERD	CREAMWARE, PLAIN	2	0.5g
SAMA 33079	1	5	4	RIM SHERD	CREAMWARE, PLAIN	1	0.6g
SAMA 33080	1	5	4	BODY SHERD	PEARLWARE, PLAIN	7	2.5g
SAMA 33081	1	5	4	BODY SHERD	WHITEWARE, PLAIN	8	7.1g
SAMA 33082	1	5	4	BASAL SHERD	WHITEWARE, PLAIN, MENDS (1) MAKER'S MARK, ("UGHLIN/"); Homer Laughlin ca. 1900	2	1.2g
SAMA 33083	1	5	4	BODY SHERD	WHITEWARE, TRANSFER-PRINTED, BLACK	1	0.4g
SAMA 33084	1	5	4	BODY SHERD	WHITEWARE, TRANSFER-PRINTED, BLUE-GREEN (HOTEL CHINA)	1	<0.1g
SAMA 33085	1	5	4	BODY SHERD	WHITEWARE, MOLDED	2	6.3g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33086	1	5	4	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN	1	0.9g
SAMA 33087	1	5	4	BODY SHERD	WHITEWARE (IRONSTONE), TRANSFER-PRINTED, BLUE	1	0.3g
SAMA 33088	1	5	4	RIM SHERD	WHITEWARE (IRONSTONE) PLATE-FRAGMENT, TRANSFER-PRINTED, GREEN FLORAL PATTERN	1	10.1g
SAMA 33089	1	5	4	BODY SHERD	WHITEWARE (IRONSTONE), SPONGE DECORATION, BLUE	10	18.7g
SAMA 33090	1	5	4	RIM SHERD	UNIDENTIFIED EARTHENWARE, BURNT	1	1.9g
SAMA 33091	1	5	4	BODY SHERD	PORCELAIN, PLAIN	1	1.5g
SAMA 33092	1	5	4	BODY SHERD	PORCELAIN, OVERGLAZE HANDPAINTED MONOCHROME, ORANGE	1	1.2g
SAMA 33093	1	5	4	BASAL SHERD	PORCELAIN, OVERGLAZE HANDPAINTED MONOCHROME, ORANGE	1	2.8g
SAMA 33094	1	5	4	BODY SHERD	PORCELAIN, UNDERGLAZED TRANSFER-PRINTED MONOCHROME, BLUE	1	<0.1g
SAMA 33095	1	5	4	BODY SHERD	NOTTINGHAM TYPE STONEWARE MUG FRAGMENT, MENDS (2), CROSSMENDS (3 TO SAMA 33096)	4	7.5g
SAMA 33096	1	5	4	RIM SHERD	NOTTINGHAM TYPE STONEWARE MUG FRAGMENT, MENDS (2), CROSSMENDS (3 TO SAMA 33095)	4	9.5g
SAMA 33097	1	5	4	BODY SHERD	DOMESTIC STONEWARE, ALPANY-SLIPPED 2 SURFACES	1	0.8g
SAMA 33098	1	5	4	BODY SHERD	DOMESTIC STONEWARE, SALT GLAZED 1 SURFACE (EXTERIOR), BROWN-SLIPPED 1 SURFACE (INTERIOR)	1	3.4g
SAMA 33099	1	5	4	STRUCTURAL MATERIAL	BRICK FRAGMENT	4	44.2g
SAMA 33100	1	5	4	STRUCTURAL MATERIAL	DRAIN PIPE FRAGMENT	1	1.9g
SAMA 33101	1	5	4	GLASS LIP SHERD	CONTACT MOLDED, MOUTH BLOWN, PATENT LIP, MENDS (2), COLORLESS BOTTLE FRAGMENT	3	12.7g
SAMA 33102	1	5	4	GLASS BODY SHERD	PRESS MOLDED, SQUARE FACETS, COLORLESS	1	23.2g
SAMA 33103	1	5	4	GLASS BODY SHERD	PRESS MOLDED, RIBBED, COLORLESS	1	1.8g
SAMA 33104	1	5	4	GLASS BODY SHERD	PRESS MOLDED, COLORLESS	1	1.7g
SAMA 33105	1	5	4	GLASS BODY SHERD	PRESS MOLDED, AMBER	2	2.8g
SAMA 33106	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-&-/", COLORLESS	1	1.2g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33107	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-(SCRIPT)H-/24/-M-/", COLORLESS	1	2.2g
SAMA 33108	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-N. P-/", COLORLESS	1	2.6g
SAMA 33109	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-TT-/", COLORLESS	1	0.8g
SAMA 33110	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/3/", COLORLESS	1	2.0g
SAMA 33111	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS	2	1.8g
SAMA 33112	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ME-/", SOLARIZED	1	2.4g
SAMA 33113	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ERE-/", AQUA	1	8.4g
SAMA 33114	1	5	4	GLASS LIP SHERD	CONTACT MOLDED, LIPPING TOOL FINISH, COLORLESS BOTTLE FRAGMENT	1	3.0g
SAMA 33115	1	5	4	GLASS BODY SHERD	CONTACT MOLDED, COLORESS	14	25.0g
SAMA 33116	1	5	4	GLASS LIP SHERD	MOLDED, INDETERMINATE , AQUA BOTTLE FRAGMENT	2	2.7g
SAMA 33117	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	135	144.5g
SAMA 33118	1	5	4	GLASS SHOULDER SHERD	INDETERMINATE MANUFACTURE, COLORLESS BOTTLE FRAGMENT	2	14.6g
SAMA 33119	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AQUA	7	3.6g
SAMA 33120	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	17	38.1g
SAMA 33121	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	2	1.6g
SAMA 33122	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, DARK GREEN	3	5.3g
SAMA 33123	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, PINK	1	<0.1g
SAMA 33124	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	1	0.4g
SAMA 33125	1	5	4	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	5	7.3g
SAMA 33126	1	5	4	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, COLORLESS	54	54.4g
SAMA 33127	1	5	4	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	11	14.7g
SAMA 33128	1	5	4	NAIL	MACHINE CUT, INDETERMINATE, CORRODED NAIL FRAGMENT	4	39.6g
SAMA 33129	1	5	4	NAIL	WIRE, CORRODED NAIL	3	32.4g
SAMA 33130	1	5	4	NAIL	WIRE, CORRODED NAIL FRAGMENT	7	111.6g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33131	1	5	4	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	3	6.7g
SAMA 33132	1	5	4	HARDWARE	DECORATIVE HANGER, SCROLLED, CORRODED	1	100.5g
SAMA 33133	1	5	4	INDETERMINATE METAL OBJECT	INDETERMINATE PROBLEMATIC	2	19.4g
SAMA 33134	1	5	4	INDUSTRIAL BY-PRODUCT	LEAD SPRUE	1	1.4g
SAMA 33135	1	5	4	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT	1	28.3g
SAMA 33136	1	5	4	INDETERMINATE SYNTHETIC OBJECT	FOOD WRAPPER (?) PROBLEMATIC	1	<0.1g
SAMA 33137	1	5	4	INDETERMINATE SYNTHETIC OBJECT	CANDY WRAPPER (?) , PINK PROBLEMATIC	1	<0.1g
SAMA 33138	1	5	4	STRUCTURAL MATERIAL	TAR PAPER FRAGMENT	1	0.5g
SAMA 33139	1	5	4	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	1	1.0g
SAMA 33140	1	5	5	BODY SHERD	WHITEWARE, PLAIN	3	4.0g
SAMA 33141	1	5	5	BODY SHERD	PORCELAIN, UNDERGLAZE HANDPAINTED MONOCHROME, BLUE	1	0.4g
SAMA 33142	1	5	5	TOBACCO PIPE	STEM, 6/64 BORE DIAMETER, WHITE CLAY, MENDS (1)	2	1.9g
SAMA 33143	1	5	5	STRUCTURAL MATERIAL	SOFT-MUD MACHINE-MADE BRICK FRAGMENT	17	1860.7 g
SAMA 33144	1	5	5	GLASS BASAL SHERD	MACHINE-MADE MANUFACTURE, OWENS MACHINE SCAR, COLORLESS BOTTLE FRAGMENT	4	27.1g
SAMA 33145	1	5	5	GLASS LIP SHERD	MACHINE-MADE MANUFACTURE, CROWN, COLORLESS BOTTLE FRAGMENT	1	17.5g
SAMA 33146	1	5	5	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/-ED/", COLORLESS BOTTLE FRAGMENT	1	1.4g
SAMA 33147	1	5	5	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY "/E-/", COLORLESS BOTTLE FRAGMENT	1	0.7g
SAMA 33148	1	5	5	GLASS BODY SHERD	CONTACT MOLDED, EMBOSSED BODY (INDETERMINATE), COLORLESS	2	3.3g
SAMA 33149	1	5	5	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	6	10.8g
SAMA 33150	1	5	5	GLASS NECK SHERD	CONTACT MOLDED, COLORLESS BOTTLE FRAGMENT	1	3.3g
SAMA 33151	1	5	5	GLASS BASAL SHERD	CONTACT MOLDED, COLORLESS BOTTLE FRAGMENT	1	6.9g
SAMA 33152	1	5	5	GLASS BASAL SHERD	CONTACT MOLDED, LIGHT BLUE	1	2.5g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33153	1	5	5	GLASS SHOULDER SHERD	CONTACT MOLDED, LIGHT BLUE BOTTLE FRAGMENT	1	4.3g
SAMA 33154	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	74	136.2g
SAMA 33155	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	14	18.7g
SAMA 33156	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BLUE	6	8.1g
SAMA 33157	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT GREEN	2	2.3g
SAMA 33158	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, DARK GREEN	2	1.8g
SAMA 33159	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, AMBER	1	6.4g
SAMA 33160	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, BROWN	2	4.3g
SAMA 33161	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, RED	1	0.6g
SAMA 33162	1	5	5	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHITE (OPAQUE)	1	0.6g
SAMA 33163	1	5	5	WINDOWPANE-FRAGMENT	PLATE GLASS, COLORLESS	4	6.2g
SAMA 33164	1	5	5	INDETERMINATE GLASS	FLAT GLASS, COLORLESS	1	0.9g
SAMA 33165	1	5	5	INDETERMINATE GLASS	FLAT GLASS, LIGHT BLUE/G	1	2.5g
SAMA 33166	1	5	5	KITCHENWARE	SPOON FRAGMENT	1	23.3g
SAMA 33167	1	5	5	MISCELLANEOUS HOUSEHOLD OBJECT	CAN FRAGMENT	1	7.2g
SAMA 33168	1	5	5	NAIL	WIRE, CORRODED NAIL	2	33.8g
SAMA 33169	1	5	5	NAIL	WIRE, CORRODED NAIL FRAGMENT	1	4.6g
SAMA 33170	1	5	5	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	16	93.4g
SAMA 33171	1	5	5	STAPLE	CORRODED STAPLE FRAGMENT	1	9.7g
SAMA 33172	1	5	5	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	7	18.8g
SAMA 33173	1	5	5	STRUCTURAL MATERIAL	SLATE SHINGLE FRAGMENT	2	42.2g
SAMA 33174	1	5	5	SLAG	CINDER SLAG	7	62.9g
SAMA 33175	1	5	5	FOOD REMAINS	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT, BUTCHER MARKS (CUT)	1	0.7g
SAMA 33176	1	5	5	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC EPIPHYSIS FRAGMENT, GNAW MARKS (RODENT)	1	1.1g

Catalog #	Unit	Stratum	Level	Object	Description	Count	Weight
SAMA 33177	1	5	6	BODY SHERD	WHITEWARE (IRONSTONE), PLAIN	2	2.3g
SAMA 33178	1	5	6	RIM SHERD	WHITEWARE (IRONSTONE) CUP FRAGMENT, PLAIN, MENDS (2)	3	8.2g
SAMA 33179	1	5	6	HANDLE	PORCELAIN CUP FRAGMENT, PLAIN	1	0.9g
SAMA 33180	1	5	6	STRUCTURAL MATERIAL	BRICK FRAGMENT	7	31.7g
SAMA 33181	1	5	6	GLASS BODY SHERD	CONTACT MOLDED, COLORLESS	1	6.4g
SAMA 33182	1	5	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, WHEEL ENGRAVED, COLORLESS	1	0.7g
SAMA 33183	1	5	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, COLORLESS	3	2.6g
SAMA 33184	1	5	6	GLASS BODY SHERD	INDETERMINATE MANUFACTURE, LIGHT BLUE	2	2.8g
SAMA 33185	1	5	6	WINDOWPANE-FRAGMENT	INDETERMINATE MANUFACTURE, AQUA	1	<0.1g
SAMA 33186	1	5	6	NAIL	INDETERMINATE MANUFACTURE, CORRODED NAIL FRAGMENT	8	68.8g
SAMA 33187	1	5	6	INDETERMINATE METAL OBJECT	INDETERMINATE CORRODED PROBLEMATIC	7	87.0g
SAMA 33188	1	5	6	SLAG	CINDER SLAG	2	6.4g
SAMA 33189	1	5	6	SPECIMEN (UNWORKED)	MAMMAL, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	2	0.7g
SAMA 33190	1	5	6	SPECIMEN (UNWORKED)	BIRD, UNDIAGNOSTIC LONG BONE SHAFT FRAGMENT	1	<0.1g

APPENDIX B. TWENTIETH CENTURY FILL ARTIFACT INVENTORY, UNITS 2, 3, 4, AND 5

Unit	Stratum	Level	Depth below elevated datum	Description	Count	Date	FS #
2	2	1	10-16	Brick	3	8/21/2012	20
2	2	1	10-16	Ceramics	5	8/21/2012	20
2	2	1	10-16	Metal	1	8/21/2012	20
2	2	1	10-16	Plastic	1	8/21/2012	20
2	2	1	10-16	Glass	17	8/21/2012	20
2	4	2	16-21	Metal	7	8/21/2012	21
2	4	2	16-21	Brick	13	8/21/2012	22
2	4	2	16-21	Ceramics	11	8/21/2012	22
2	4	2	16-21	Glass	69	8/21/2012	22
2	4	2	16-21	Plastic	1	8/21/2012	22
2	5	3	21-31	Metal (including 1939 dime)	27	8/21/2012	23
2	5	3	21-31	Brick	20	8/21/2012	24
2	5	3	21-31	Slate	3	8/21/2012	24
2	5	3	21-31	Metal	2	8/21/2012	24
2	5	3	21-31	Bone	3	8/21/2012	24
2	5	3	21-31	Stone	1	8/21/2012	24
2	5	3	21-31	Ceramics	19	8/21/2012	24
2	5	3	21-31	Glass	289	8/21/2012	24
2	5	3	21-31	Rubber	3	8/21/2012	24
2	5	4	31-41	Metal	20	8/21/2012	25
2	5	4	31-41	Slate	1	8/21/2012	26
2	5	4	31-41	Brick	24	8/21/2012	26
2	5	4	31-41	Bone	1	8/21/2012	26
2	5	4	31-41	Unidentified material	2	8/21/2012	26
2	5	4	31-41	Ceramics	24	8/21/2012	26
2	5	4	31-41	Glass	266	8/21/2012	26
2	5	5	41-57	Metal	15	8/21/2012	27
2	5	5	41-57	Brick	6	8/21/2012	28
2	5	5	41-57	Ceramics	6	8/21/2012	28
2	5	5	41-57	Unidentified material	1	8/21/2012	28
2	5	5	41-57	Glass	92	8/21/2012	28
3	2	1	6-10	Metal	3	8/22/2012	55
3	2	1	6-10	Brick	2	8/22/2012	56
3	2	1	6-10	Ceramics	2	8/22/2012	56
3	2	1	6-10	Glass	23	8/22/2012	56
3	4	2	10-16	Metal	4	8/22/2012	57
3	4	2	10-16	Brick	15	8/22/2012	58
3	4	2	10-16	Ceramics	12	8/22/2012	58

Unit	Stratum	Level	Depth below elevated datum	Description	Count	Date	FS #
3	4	2	10-16	Plastic	1	8/22/2012	58
3	4	2	10-16	Glass	73	8/22/2012	58
3	5	3	16-26	Brick	12	8/22/2012	59
3	5	3	16-26	Plastic	5	8/22/2012	59
3	5	3	16-26	Ceramics	16	8/22/2012	59
3	5	3	16-26	Glass	204	8/22/2012	59
3	5	3	16-26	Metal	22	8/22/2012	60
3	5	4	26-36	Metal	35	8/22/2012	61
3	5	4	26-36	Brick	21	8/22/2012	62
3	5	4	26-36	Ceramics	11	8/22/2012	62
3	5	4	26-36	Unidentified material	1	8/22/2012	62
3	5	4	26-36	Glass	298	8/22/2012	62
3	5	5	36-52	Metal	32	8/22/2012	63
3	5	5	36-52	Brick	13	8/22/2012	64
3	5	5	36-52	Ceramics	6	8/22/2012	64
3	5	5	36-52	Plastic	2	8/22/2012	64
3	5	5	36-52	Graphite Pencil	1	8/22/2012	64
3	5	5	36-52	Glass	108	8/22/2012	64
4	2	1	10-14	Glass	12	8/22/2012	37
4	2	1	10-14	Ceramics	2	8/22/2012	37
4	2	1	10-14	Plastic	1	8/22/2012	37
4	2	1	10-14	Metal	1	8/22/2012	38
4	4	2	15-18	Glass	14	8/22/2012	39
4	4	2	15-18	Ceramics	2	8/22/2012	39
4	4	2	15-18	Plastic	3	8/22/2012	39
4	4	2	15-18	Bone	1	8/22/2012	39
4	5	3	18-28	Slate	1	8/22/2012	40
4	5	3	18-28	Mortar	1	8/22/2012	40
4	5	3	18-28	Ceramics	32	8/22/2012	40
4	5	3	18-28	Glass	64	8/22/2012	40
4	5	3	18-28	Metal	8	8/22/2012	41
4	5	4	28-38	Metal	20	8/22/2012	42
4	5	4	28-38	Brick	1	8/22/2012	43
4	5	4	28-38	Plastic	2	8/22/2012	43
4	5	4	28-38	Rubber	2	8/22/2012	43
4	5	4	28-38	Ceramics	16	8/22/2012	43
4	5	4	28-38	Glass	102	8/22/2012	43
4	5	5	38-48	Metal (including 1899 penny)	23	8/22/2012	44

Unit	Stratum	Level	Depth below elevated datum	Description	Count	Date	FS #
4	5	5	38-48	Brick	13	8/22/2012	45
4	5	5	38-48	Ceramics	26	8/22/2012	45
4	5	5	38-48	Glass	102	8/22/2012	45
4	5	6	48-58	Metal	32	8/22/2012	46
4	5	6	48-58	Brick	9	8/22/2012	47
4	5	6	48-58	Glass	30	8/22/2012	47
4	5	6	48-58	Ceramics	27	8/22/2012	47
4	5	6	48-58	Bone	1	8/22/2012	47
5	2	1	10-17	Brick	1	8/23/2012	101
5	2	1	10-17	Slate	1	8/23/2012	101
5	2	1	10-17	Ceramics	3	8/23/2012	101
5	2	1	10-17	Glass	16	8/23/2012	101
5	4	2	17-26	Brick	1	8/23/2012	102
5	4	2	17-26	Metal	4	8/23/2012	102
5	4	2	17-26	Ceramics	10	8/23/2012	102
5	4	2	17-26	Bone	3	8/23/2012	102
5	4	2	17-26	Glass	67	8/23/2012	102
5	5	3	26-36	Metal	19	8/23/2012	103
5	5	3	26-36	Brick	33	8/23/2012	104
5	5	3	26-36	Slate	1	8/23/2012	104
5	5	3	26-36	Metal	1	8/23/2012	104
5	5	3	26-36	Bone	2	8/23/2012	104
5	5	3	26-36	Plastic	2	8/23/2012	104
5	5	3	26-36	Leather	1	8/23/2012	104
5	5	3	26-36	Ceramics	35	8/23/2012	104
5	5	3	26-36	Glass	184	8/23/2012	104
5	5	4	36-55	Metal	19	8/23/2012	105
5	5	4	36-55	Brick	16	8/23/2012	106
5	5	4	36-55	Ceramics	7	8/23/2012	106
5	5	4	36-55	Bone	1	8/23/2012	106
5	5	4	36-55	Glass	100	8/23/2012	106

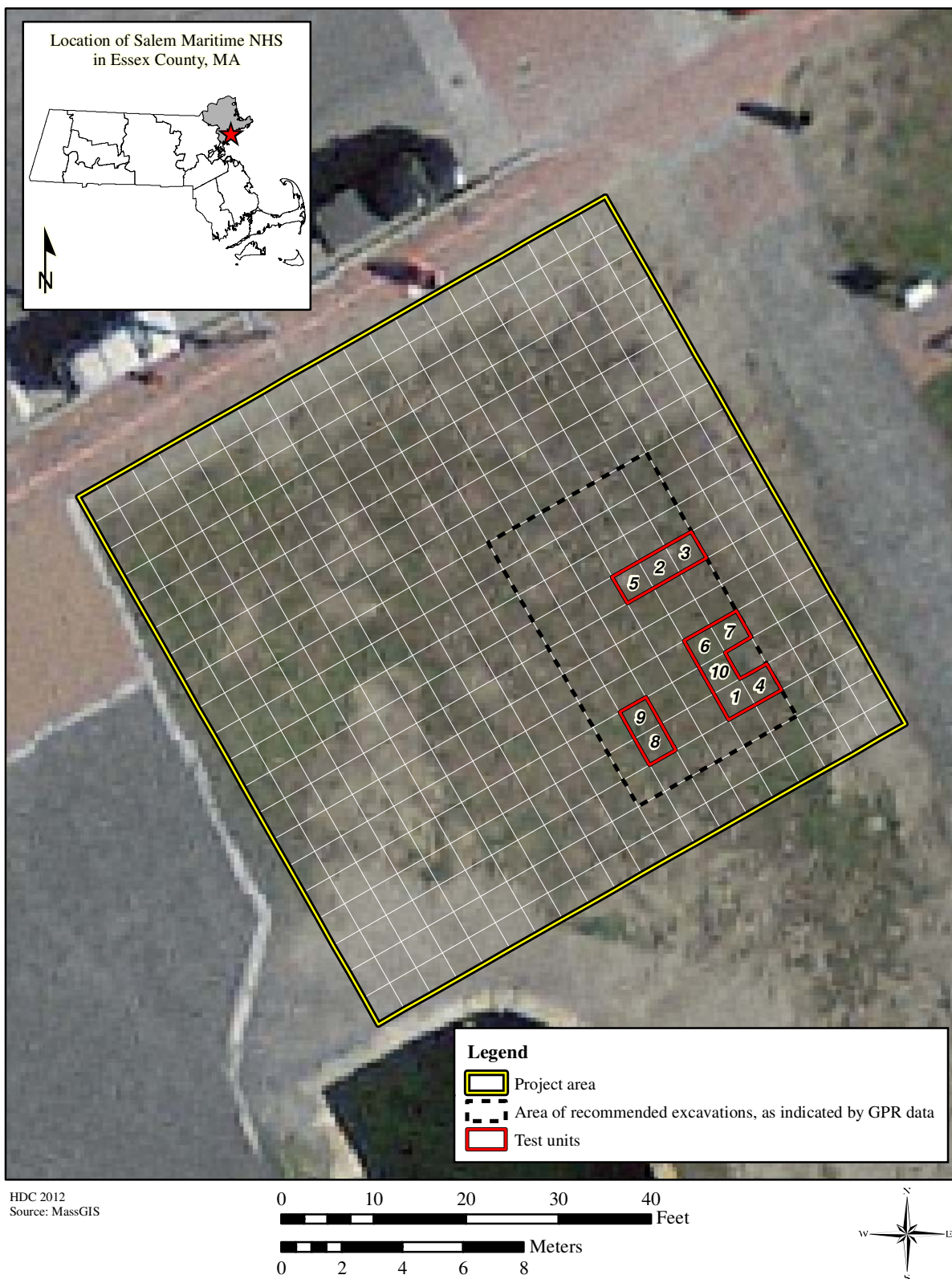
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APPENDIX C: SITE FORM

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FORM D – HISTORIC RESOURCES SURVEY HISTORIC ARCHAEOLOGICAL SITES					
Massachusetts Historical Commission Office of the Secretary State House, Boston			For MHC OFFICE USE ONLY		
			Town	MHC NO.	
			UTM / / / ZONE	/ / / / / / / EASTING	/ / / / / / / EASTING
			QUAD		
			NR ____ ACT ____	ELIG. ____ NO DISTRICT ____ YES ____ NO	
IDENTIFICATION	1. SITE NAME(S) Derby Counting House			MAS NO. _____ OTHER NO. _____	
	2. TOWN/CITY Salem			COUNTY Essex	
	3. STREET & NUMBER (IF NOT AVAILABLE, GIVE DETAILED DESCRIPTION OF HOW TO REACH SITE) 176 Derby Street				
	4. OWNER(S) AND ADDRESS(ES) Salem Maritime National Historic Site, National Park Service, Department of the Interior 160 Derby Street				
	5. SITE LOCATED BY				
	☒ CRM Survey ☐ Avocational Collector ☐ Field School ☐ Other Specify _____				
	Describe Sampling Strategy used to Locate Site Test trenching, ground penetrating radar				
DESCRIPTION	6a. PERIOD(S) (Check all applicable boxes)				
	☐ 17 th C. ☒ 18 th C. ☒ 19 th C. ☐ 20 th C. ☐ Unknown				
	6b. ESTIMATED OCCUPATION RANGE 1765-1819				
	7. Dating Method	MAPS Gideon Foster 1805 Derby Estate Plan		TITLE SEARCH ☒ YES ☐ NO	ADDITIONAL DOCUMENTS William Bentley Diary (1905)
	COMPARATIVE MATERIALS				
	8. SOIL TYPE				
	☐ Agarian ☐ Residential ☐ Industrial ☒ Commercial -- ☐ Military ☐ Unknown ☐ Field School				
	8b. DESCRIBE Twentieth century fill deposits cap the site, which sits on shore deposits that were built up by landfilling activities associated with 18th-19th century development of Derby Wharf				
ENVIRONMENT	9. DESCRIBE SIZE, HORIZONTAL AND VERTICAL BOUNDARIES Horizontal: 10 meters NW-SE by 6 m SW-NE; original building dimensions were 60 ft by 23 ft Vertical: Site deposits encountered between 80-100 cm below surface		10. STRATIGRAPHY		
			Surface Indicators Stratigraphy		
			☐ Standing ruins ☒ Stratified		
			☐ Surface finds ☐ NOT Stratified		
		Markers			
		Cellar Hole			
ENVIRONMENT	11. SOIL	USDA Soil Series Urban Land	Contour Elevation 1		% Slope of Ground ☒ 0-5 ☐ 5-15 ☐ 15-20 ☐ Over 25
		Acidity 1-----7-----14 (Acid) (Base)		12. TOPOGRAPHY	
				☒ Flat ☐ Gentle undulation ☐ Rolling Hills ☐ Mountains	
	13. WATER	NEAREST WATER SOURCE Salem Harbor	SIZE AND SPEED	DISTANCE FROM SITE 28 ft	SEASONAL AVAILABILITY
ENVIRONMENT	14. VEGETATION	PRESENT Grassy lawn		PAST n/a	
CONDITION	15. SITE INTERGRITY			IF DISTURBED, DESCRIBE DISTURBANCE	
	☐ Undisturbed ☐ Good ☒ Fair ☐ Destroyed			Building removal, grading and filling in 20th century	
	16. SURROUNDING ENVIRONMENT				
	☒ Open Land	☐ Woodland	☐ Eroded Soils	☐ Scattered Buildings visible from site	
	☒ Commercial	☐ Industrial	☒ Residential		
	☐ Coastal	☐ Isolated	☐ Rural		
17. ANY THREATS TO SITE ☐ Yes ☒ No			DESCRIBE POTENTIAL THREATS		
18. ACCESSIBILITY TO PUBLIC					
☒ Free Access ☐ Need Owner Permission ☐ Restricted ☐ No Access					

RESEARCH STATUS	16. PREVIOUS WORK		
	☐	Surface Collected	BY WHOM/AFFILIATION
	☐	"Pot hunted"	BY WHOM/AFFILIATION
	☒	Tested	BY WHOM/AFFILIATION Hartgen & Associates
	☐	Excavation	BY WHOM/AFFILIATION
		DATE	
20. PRESENT LOCATION OF MATERIALS (INCLUDE ADDRESSES) Salem Maritime National Historical Site, 160 Derby Street, Salem, Massachusetts			
21. REFERENCES/REPORTS Sewell 2013 Report of Findings: SAMA 2011 F Conduct Counting House Archeological Investigations Stull 2004 Phase IB Archeological Reconnaissance Report, Derby Wharf Utility Corridor Snell 1974 Derby Wharf Historic Structures Report			
SIGNIFICANCE	22. RECOVERED DATA (identify IN DETAIL, including structures, related outbuildings, landscape features, etc.) A. Documentary: B. Archaeological: stone foundation/pier, artifacts dating to period of occupation		
	23. ARCHAEOLOGICAL OR HISTORICAL SIGNIFICANCE The Derby Counting House was the first warehouse erected at the Derby Wharf in 1765, and housed the counting house of Elias Hasket Derby. Derby directed his merchant fleet from this building and trade goods were stored here up to its removal in 1819. The site has the potential to inform on eighteenth century warehouse construction in Salem.		
SITE PLAN	24. ATTACH THIS FORM PORTION OF U.S.G.S. QUAD WITH SITE MARKED		
	25. SKETCH PLAN OF SITE See attached		26. PHOTOS: Attach if available. Label each with: Date of photo, photographer, view shown, name of site
REPORTED BY:	NAME Andrew Sewell	ADDRESS 4608 Indianola Avenue, Columbus, Ohio, 43214	
	ORGANIZATION Hardlines Design Company	DATE 12/13/2012	
FOR OFFICIAL USE ONLY			
FIELD EVALUATION			
COMMENTS			



HDC 2012
Source: MassGIS

Unit Locations at the Derby Counting House site

