

ARCHAEOLOGICAL
SERVICES
DURHAM UNIVERSITY

on behalf of
Aldi

Land off Preston Street
Whitehaven
Cumberland

post-excavation assessment

report 6311
June 2026

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1. Summary

The project

- 1.1 This report presents the results of an archaeological excavation and watching brief conducted in advance of a development at Preston Street, Whitehaven, Cumberland. The works comprised the excavation of five evaluation trenches and two open areas, and monitoring of groundworks.
- 1.2 The works were commissioned by Aldi and conducted by Archaeological Services Durham University.

Results

- 1.3 In the southern part of the site (area A) an 18th-century glassworks was identified. The plan of the glassworks was exposed and recorded, including a large tunnel structure. There was evidence for at least three phases of use as a glassworks. The remains of five furnaces were identified associated with different stratigraphic phases and production processes. Burial beneath ground levelling deposits preserved the structure very well, especially its northern rooms.
- 1.4 Large quantities of bottle glass were recovered, especially from deposits of industrial residue between Phases II and III. This assemblage includes several early to mid-18th-century forms and exhibits evidence for free-blowing and mould-blowing.
- 1.5 Some ephemeral remains of brick and stone walls relating to the post-glassworks use of the area were identified.
- 1.6 In the northern part of the site (area B) structures and buildings forming part of the 19th-century Preston Street Pottery were identified. Two stone culverts, the outer wall of a rectangular building, a cobbled path and a boundary wall comprised the earliest features in area B and were probably part of the pottery. A possible machine base and a clay pan were also identified. Part of a second building, comprising external walls and internal features, was also identified. Pottery sherds, including wasters, originating from both the excavated pottery and from the Whitehaven Pottery which was located outside the development area, were recovered.
- 1.7 A later, and better preserved, phase of use of the area B structures was also identified. This included the insertion of a floor and other structures within the earlier building and its extension to the east and west. These additions were first depicted on the 1899 Ordnance Survey (OS) map when the building formed part of an auction mart. The presence of a fireplace and lavatory suggest that the building was an office at this time.

Recommendations

- 1.8 As a significant archaeological resource was uncovered by the excavation, full analysis of the data and its dissemination is recommended. An Updated Project Design has been included as Appendix 3, which lists the tasks to be undertaken to achieve this.

2. Project background

Location (Figure 1)

- 2.1 The site is located at Preston Street, Whitehaven, Cumbria (NGR centre: NX 9731 1752). It covers an area of approximately 0.49 ha. To the east is a former railway line, now scrubland. There is also scrubland to the south. To the north are supermarkets and associated car parks. To the west are terraced houses, Preston Street and some light-industrial units.

Development

- 2.2 The development comprises the erection of a supermarket with associated access, parking, and landscaping. The planning application reference number is 4/23/2314/0F1.

Objective

- 2.3 The objective of the scheme of works was to identify, excavate and record significant archaeological features within the area in advance of development.

Research objectives

- 2.4 Archaeological Services will complete works within the research priorities set out in *The North-West England Regional Research Framework* (accessed 10/06/25) and its predecessor (2006-7). The specific agenda items this project has the potential to contribute to includes:

Post-medieval

PM27: How do the industries associated with the North West evolve and develop during this period?

PM30: How do we identify and present the various traditions of pottery production in the NW during the post medieval period?

PM33: How can we identify a regional characterisation of kiln structures in the North West?

Industrial

Ind02: What is the environmental impact of invasive flora and fauna introduced into the North West during this period?

Ind53: What can archaeology tell us about the production and use of consumer products and their typologies from the late 18th to early 20th centuries?

Ind7.37: Late 18th-20th century pottery production sites

Specification

- 2.5 The works have been undertaken in accordance with a Written Scheme of Investigation provided by Archaeological Services Durham University (reference 25016) and approved by the planning authority.

Dates

- 2.6 Fieldwork was undertaken between 12th June and 14th October 2025. This report was prepared for June 2026.

Personnel

- 2.7 Fieldwork was conducted by Daniel Adamson (supervisor), Thomas Buckton, Euan Johns (supervisor), Rosie Masterman, Dr Ronan O'Donnell (supervisor), Jennifer Richards (supervisor), Ghala Timraz, Caitlan Wakefield and Hannah Woodrow. This

report was prepared by Dr Ronan O'Donnell and edited by Natalie Swann, the Project Manager, with illustrations by Dr Helen Drinkall. Specialist reporting was conducted by Dr Chris Cumberpatch (ceramics), Louisa Gidney (animal bone) and Jennifer Jones (other artefacts).

Archive/OASIS

- 2.8 The site code is **PWC25**, for **Preston Street Whitehaven Cumbria 2025**. The archive is currently held by Archaeological Services Durham University and will be transferred to the Beacon Museum in Whitehaven on completion of all post-excavation works for the site. Archaeological Services Durham University is registered with OASIS. The OASIS ID number for this project is **archaeol3-538181**.

Acknowledgements

- 2.9 Archaeological Services Durham University is grateful to Mr Tony Calvin for providing much helpful information on the history of the site and associated industries.

3. Landuse, topography and geology

- 3.1 At the time of the works, the development area comprised a car park at its northern end and scrubland at its south.
- 3.2 The site sloped down to the north-east from approximately 11.8m to 8.8m OD.
- 3.3 The bedrock geology comprised Carboniferous mudstone, siltstone and sandstone of the Pennine Middle Coal Measures formation. This was overlain by Quaternary alluvium.

4. Historical and archaeological background

- 4.1 A desk-based archaeological assessment has summarised the archaeological potential of the site (Archaeological Services 2023). There is no direct evidence for prehistoric or Roman activity within the development area. The site lay outside the medieval settlement of Whitehaven and may have been in use as arable or pasture at that time. Any archaeological resource relating to these periods is likely to have been removed by later development.
- 4.2 Documentary records and cartographic evidence indicate that the site began to be developed in the early 18th century; in 1815, Cadell and Davies produced a plan of Whitehaven which showed an 'Old Glass House' (HER 40823) in the south part of the site. This appears to have fallen out of use by 1819, when a fever hospital was established in its place. Preston Street Pottery was built in the northern part of the site by 1830. By the 1860s, the northern extremity of the site was in use as a stone yard, and the hospital had been replaced by a school.
- 4.3 The northern part of the site was redeveloped in the late 19th century, with an extensive auction mart replacing the pottery and stone yard, and an inn was present near the south-west boundary. The auction mart remained on the site until the 1960s or later, by which time the southern part of the site was mostly taken over by builders' yards and a Corporation yard. The school was repurposed as a mission hall, and a mortuary was constructed near the centre of the western boundary.

5. The excavation

Introduction

- 5.1 Five evaluation trenches were initially excavated, followed by the opening of two larger excavation areas targeting features identified in the evaluation. Area A was approximately 34m long by 25m wide, targeted the glassworks, and was positioned to fully expose the glassworks features encountered in evaluation trenches 4 and 5. Area B was approximately 35m long by 13m wide, extending evaluation trench 3 where features relating to a former pottery were recorded, and covering an area of proposed ground disturbance for an attenuation tank. Evaluation trenches 1 and 2 are discussed separately.
- 5.2 In addition to the excavations, a watching brief was conducted during ground reduction to the south and west of area A, and on utility trenches and foundations excavated around area B. All excavations were carried out using a machine equipped with a toothless bucket under constant archaeological supervision.
- 5.3 Plans are shown in Figures 3-5. Context data is presented in Table 1.1, including descriptions of fills and full measurements of features. Where multiple numbers have been assigned to features on site, the number used in the text is highlighted in bold in Table 1.1, for example **F65**=F245=F87.

Area A: the glassworks (Figures 3 and 6)

Phase I

- 5.4 Natural subsoil [111], a yellow clayey sand, was encountered at 3m below ground level. Sandstone walls with brick floors formed rectangular rooms as part of the earliest phase of the glassworks, with a glassblowing furnace built into one of the walls.
- 5.5 The earliest phase of the glassworks structure only survived partially where it was incorporated into the Phase II structure.
- Northern rooms*
- 5.6 The substantial western wall of the glassworks [F70] cut the natural subsoil (Photo 1). This was a well-constructed wall 0.6m wide built from roughly squared sandstone blocks, surviving to a height of 1.8m. The wall was rendered on its internal face.
- 5.7 At its northern end F70 was butted by an east/west aligned wall [F166]. F166 was constructed of uncoursed and unworked sandstone 0.4m-0.7m wide and survived to a height of 1m. A doorway led out of the works through F166.
- 5.8 At its south end F70 was butted by another wall [F197], constructed from roughly hewn sandstone blocks and surviving to a height of 1.4m. Two doorways led through F197 into a passageway to the south.
- 5.9 Towards the northern end of the interior face of wall F70, was a furnace (Photo 2). The furnace was set at an angle into the wall, and was constructed from hand-made bricks with a cement-lined chimney flue that vented out of the rear of wall F70. This furnace was probably used to produce free-blown glass.

- 5.10 The room had a floor of brick [F190], that had been partially removed and replaced in Phase II of the use of the building. Around the furnace large stone slabs and brick tiles were used in place of bricks to provide a flat work surface (Photo 2).

Southern rooms

- 5.11 Running parallel with wall F197 and forming a corridor between the two parts of the building was another sandstone wall [F169] built from roughly hewn and squared blocks bonded with mortar, 0.9m wide and surviving to a height of 1.3m. A doorway led from the corridor out of the south of the building.
- 5.12 At either end of F169 two small, square rooms were formed by walls which were keyed-in to F169. At the western end, wall F168 formed three sides of a room with a doorway in the east side. There was a deposit of clay [172] inside this room.
- 5.13 At the eastern end of F169 walls F212 and F211 formed a similar square room and were keyed-in to each other and to F169. A doorway in the west side of the room faced that in wall F168. All were constructed of large (c.0.5m by 0.3m by 0.2m) squared, evenly coursed, sandstone blocks.
- 5.14 F211 continued south beyond F212 but was truncated just north of the limit of excavation, perhaps suggesting further rooms once existed. These small rooms are likely to have been used for storage or cooling, away from the heat of the furnaces.

The tunnel

- 5.15 Curving to the north-west from the corridor formed by walls F197 and F169, and butting against these walls, was a tunnel that ran north-west for 22m from the main glassworks building (Photo 3, Figure 6).
- 5.16 The walls of the tunnel [F66 and F65] were constructed from squared, coursed sandstone blocks neatly faced on the interior of the tunnel (Photo 4) with a rougher finish to the exterior. Where the tunnel turned to run more towards the north-west the southern wall [F65] was constructed of large rectangular blocks of stone 1.5m long by 0.5m tall and 0.5m wide, which were significantly different from the rest of the tunnel construction (Photo 5, Figure 11). Wall F66 had been truncated at its north end by later activity; the end to wall F65 appeared to be the original end. No excavation took place beyond this because of the proximity of modern houses.
- 5.17 The roof of the tunnel was an arch of a single course of edge-set hand-made bricks [F67] which only survived at the eastern end next to the main glassworks building. The exterior of the brick structure was coated in sandstone rubble bonded with mortar.
- 5.18 Inside the tunnel fragments of sandstone paving survived [F207, F246, F247]. A rough stone structure [F68], perhaps a makeshift support, had been constructed inside the tunnel.
- 5.19 The purpose of this structure is unknown, but it is likely that it was used to transport material in and out of the glassworks. The total height inside the tunnel was 2.15m, high enough for a person to walk through. No corresponding structures are shown on the historic maps.

- 5.20 On the north side of the tunnel were some small areas of paving (Figure 9) overlying the natural sand. Immediately north of the tunnel was a square of paving [F225] made up of large sandstone blocks sat in a construction cut [F229] that was filled with a dark purple-grey sandy silt [228].
- 5.21 To the north-west of the tunnel a piece of stone paving [F224], with an iron object embedded in it, was recorded (Photo 6, Figure 9). The paving was of a similar style to that inside the tunnel. West of F224 a mortar surface [F71] butted against the west wall [F70] of the glassworks. The paving and this mortar surface suggest that the area to the west of F70 was in use during the early phases of the glassworks, although it was outside the building. F71 was overlain by levelling deposits [152 and 72].

Pit

- 5.22 To the south-east of the glassworks a large pit [F230], around 1.5m deep, cut a levelling deposit [232] which overlay natural subsoil [111]. There was no stratigraphic relationship between these features and the rest of the site, and detailed investigation of this pit was not possible due to unsafe depths of excavation and instability of the deposits.

Phase II

- 5.23 Several major alterations were made to the glassworks structure and are combined here into Phase II, although they do not necessarily belong to a single programme of redevelopment and construction. These included rebuilding of most of the northern part of the glassworks, some additions to the southern rooms, and the construction of two small rooms on the eastern side of the building.

The northern rooms (Photo 7)

- 5.24 A wall [F194] butted the east end of F166 and continued eastwards; it then turned through 90 degrees to abut F197 to the south. The wall, though sandstone, had a different build to F166 and F197, suggesting a different phase of construction, perhaps a rebuild.
- 5.25 In its north/south part wall F197 contained a furnace in its west elevation (Photo 8). The furnace was constructed from brick with a stepped level for a grate on its interior. Although positioned approximately opposite the furnace in F70 it was of a very different construction and so probably of a different date, though its size and style suggest it was also a free-blowing furnace. In the east/west part of F197 was a doorway which had been blocked, possibly at this stage when the second opening through F194 was constructed.
- 5.26 Running south-west from the join of F166 and F194 was a sandstone wall [F196] that formed a division between the east and west sides of the room.
- 5.27 Surrounding F196 was a brick floor [F238] of slightly different style to floor F190 to either side. It was slightly raised from the surrounding floor and had a curving decorative band of square tiles curving around wall F196 (Photo 9, Figure 7).
- 5.28 Together F194, F166, F70 and F197 enclosed a large rectangular area which formed the majority of the glassworks building. This space was divided by a north-

east/south-west aligned sandstone wall [F185] constructed from roughly hewn and squared sandstone blocks, coated in plaster.

- 5.29 Butting F185, and extending north-west into each of the two rooms, were two short walls [F191 and F193]. In the eastern of the two rooms this wall [F193] was immediately west of a recess in F185 (Photo 10), while in the western room there was evidence F191 had once been next to a similar recess which had since been blocked. It is possible that these features housed some mechanism for moving materials in and out of these two rooms from the upper floor to the south.
- 5.30 A drain was set into floor F190 in the corner of F191 and F185.
- 5.31 A deposit of very firmly compacted coal dust [202] overlay floor F190 and was thickest near the two furnaces. The door in F166 was blocked with masonry [F195]. Notched iron bars were recovered from near the furnaces in F70 and F194 and are likely to have been grates with removable bars to allow for processing different goods.
- 5.32 On the upper floor to the south of F185 were two very well-preserved rooms. These rooms were accessed by a stone spiral staircase [F188] built into wall F185 (Photo 11, Figures 7 & 11).
- 5.33 South of F185 another north/south aligned wall [F182] extended between F185 and F197, butting them both. This divided the space into two equally sized rooms. Both rooms were partially filled by redeposited or disturbed natural subsoil [199]. In the eastern room this was overlain by a fragmentary tile floor [F187]. In the western room 199 was overlain by a thin deposit of coal dust [200], similar to 202. Above this deposit was the circular base of a kiln or furnace [F198] (Photo 12, Figure 11).
- 5.34 The furnace was in the centre of the room and built from hand-made bricks. It had been damaged on its north side by later construction and comprised a circular structure one course thick which tapered towards the top. No evidence of stoke holes or flues were found. It was filled with a deposit of lime [203]. This structure was replaced during a later phase of the works.
- 5.35 In the north-west corner of the room, above 199, was a brick and stone structure [F184] (Photo 13). F184 consisted of a rectangular 'kerb' of sandstone with a brick wall bordering the south side and a brick surface inside. The bricks were hand-made and similar to those in F198. The function of F184 is unclear but it was immediately south of and above the blocked recess in wall F185. If this recess was an apparatus for transferring materials between rooms, F184 probably formed part of it.

The eastern rooms

- 5.36 On the east side of the glassworks building a sandstone wall [F205] butted against F194 (Photo 14). It extended east for 3.6m then turned through 90 degrees to meet the east end of F197. The facing of F205 was continued around the southern elevation of F197 as a single 'skin' of stone blocks, presumably to hide the join between the two walls. The area enclosed by F205 was divided into two square rooms by a sandstone wall [F209] which butted F205 and F194.

- 5.37 Wall F205 cut through the earlier deposits recorded on this side of the glassworks [14, 16, 19].
- 5.38 Two square brick structures were built on top of F205 and F209, possibly as post-pads for a framed structure above the walls. Another similar structure [F210], raised on a small stone plinth butted against the north side of F205 (Photo 15).

The southern rooms

- 5.39 Minor alterations were made to the southern rooms during Phase II. The doorway through F169 into the passageway was blocked with roughly hewn masonry [F252] (Figure 11). The doorway through F168 into the westernmost of the rooms was also blocked with similar masonry [F251], as was the doorway through F211 [F213]. Two north/south aligned walls [F216 and F215] were built against the south elevation of F169, on either side of its door. Both were truncated at their southern ends. Between these walls, and butting F215, was a fragment of rough sandstone paving [F208]. An east/west aligned sandstone wall [F214] was built to fill the gap between F215 and the corner of F212 and F213.

Passageway

- 5.40 The passageway formed by F169 and F197 had sandstone walls [F163, F173] built across its eastern and western ends, just before it entered the tunnel, blocking any entrance to the tunnel. Butting against these walls and spread throughout the passageway was redeposited natural subsoil [175] similar to 199.

Furnace remains

- 5.41 To the south of the glassworks was the remains of the glass-melting furnace. This was poorly preserved so that only the fire trench and parts of the sieges remained. The fire trench cut the natural subsoil and was enclosed by stone walls. These walls consisted of a short north/south aligned wall [F221] at its eastern end against which another sandstone wall [F220] butted, forming the remaining three sides. As F220 was particularly poorly preserved at its eastern ends the relationship with F221 was unclear and it is possible that they were keyed into each other.
- 5.42 Siege bases were formed by roughly semi-circular projections at the centre of both sides of F221. Between these sieges the fire trench walls were faced with brick, and the base of the trench contained a fragment of tile floor [F222] similar to F190 and F187 in the main structure (Photo 16). Although there was no stratigraphic relationship between this furnace and the main glassworks, the similarity in floor treatment means that it probably belonged to Phase II. The walls, floor and the natural subsoil at this point showed evidence of heating to a high temperature. It is likely that the fire was built on an iron grate above the floor of the trench which has not survived. A dark purple-brown loam [223], perhaps a buried soil, partially filled this structure.

Phase III

- 5.43 In the two central rooms laminated deposits of sand [201] similar to 199 filled both rooms. They overlay floor F187, F184 and lay around the furnace F198. Above was a deposit of clay [183].
- 5.44 A series of backfill deposits comprising clinker and other industrial products [61: to the south-west of the building, 73: to the west of the glassworks, 171: within walls of

F168, 174: inside passageway and across central rooms] were deposited against the walls of the glassworks around its western and southern sides and extended a short distance along the northern and eastern sides. These layers overlay or butted all features other than F187 and the glass-melting furnace and pit F230. Part of these deposits thinly extended over F70 into the room containing the kiln where it directly overlay 183, but the deposit was not otherwise found within the northern rooms. Nearly all of the 18th-century glass and glassworking waste were recovered from these deposits, including early 18th-century bladder, onion or mallet bottles [73] and mid-18th century octagonal wine bottles [171]. Both free-blown and mould-blown examples were identified. It is likely that these deposits were glassworking waste reused to level the site prior to a phase of rebuilding.

Cobbled surfaces

- 5.45 In the two central rooms several brick and cobbled surfaces post-dated the clinker levelling deposit 174 (Photo 17). In the western room (which contained the furnace) sand [77] had been laid over 174 as bedding for a surface of hand-made bricks [F75] (Figure 9). This surface extended from a stone doorstep on top of wall F70, over the furnace F198, and butted against wall F182.
- 5.46 Above F75 was a second furnace base [F179] consisting of a ring of sandstone blocks with unworked sandstone slabs bonded with mortar in the middle (Photo 18). Bricks in F75 showed evidence of heating, probably from this furnace. F179 was in the same place as furnace F198 had been. The presence of a kiln during this phase demonstrates that the site remained in use as a glassworks in Phase III. On either side of F179 were surfaces of unworked cobbles [F176 and F178].
- 5.47 To the west of wall F182 similar surfaces were found, overlying clay deposit 183. Although there was no stratigraphic relationship with deposit 174, they were of the same construction and at the same height as those to the west of F182 and so were almost certainly contemporary.
- 5.48 A brick and cobble surface [F180] was laid immediately opposite and continued the line of F75, before turning south towards wall F197. East of F180 was a fragment of cobbled surface [F181] which was similar to F176 and F178.

Phase IV

Post-glassworks features at the north end of F70

- 5.49 Near the north end of F70 was a group of structures relating to the reuse of the site during the Victorian and later periods. A floor of large sandstone flags [F83] was laid directly above 174 to the north-east of F70. To the west of this floor, a wall [F74] butted the northern end of wall F70, extending it north for 3.2m.
- 5.50 An east/west aligned wall of machine-made bricks [F204] butted against the east side of F74 and was built over F83. A stone structure [F82], probably a makeshift buttress, was built against F74 and F70 at the point at which they joined. Laminated deposits of black and white clayey silt [86] were found between F82 and F204.
- 5.51 To the south of and parallel to F204, a stone wall [F79] with repairs in machine-made bricks butted against F70. A north/south aligned wall of machine-made bricks [F80], butted the end of F79 and formed a small room along with walls F204, F79 and F74. Butting the east side of F80 was a deposit of brick rubble [165] on which was a

roughly built sandstone wall [F164]. On the west side of F80 a levelling deposit of white sand and mortar [85] was deposited against F80 and over 86. A concrete floor [F81] was built on top of this deposit, of which fragments survived attached to F74 and F80.

- 5.52 On the west side of F74 an east/west aligned stone wall [F151] of squared randomly coursed sandstone butted F74. A small length of north/south aligned sandstone wall [F150] was built against the west elevation of F74 and butted F151 at its north end. A levelling deposit [132] butted the west side of F150. Above the levelling deposit was a cobbled surface [F131] which had a line of large stones along its centre and some repairs in hand-made brick. Above the cobbles was another levelling deposit [130], above which were fragments of a surface of firmly compacted clayey sand [129].
- 5.53 These features corresponded to a building marked on the 1899 and 1925 OS maps which formed part of a mission hall (Figure 12). Their relationship to wall F70 shows that it was still standing (though with its lower courses buried) in this period. The 1866 OS town plan shows that the wall had formed the boundary of the school playground in the intervening period.
- 5.54 A C-shaped wall of large square ashlar blocks [F170] butted against the south end of F168 and formed three sides of a room with F168, filled by redeposited natural subsoil [219]. Only one course survived at a much higher level than the foundation of F168. This shows that, like F70, F168 remained partially exposed during the 19th and 20th centuries to be incorporated into later structures.
- 5.55 Within the main glassworks structure surfaces F176, F178, F180 and F181 and furnace base F179 were overlain by dark grey clay [76]. A concrete foundation [F78] was cut into this deposit and roughly corresponded to a wall of indeterminate function marked on OS maps from 1925 to 1945 (Figure 12).

Culverts and associated deposits

- 5.56 In the south-west corner of area A, several deposits [58-60] overlaid the clinker deposit [174]. A culvert [F64] cut these deposits and 174 (Photo 19). The top and base of this culvert were made from sandstone flags, while the sides were constructed from unworked and unbonded sandstone boulders. The northern end entered the tunnel [F67] through a breach in its southern side, probably indicating that the tunnel was reused as a drain. It is possible that structure F68 was constructed within the tunnel to support it after the breach had been made.
- 5.57 Near to the south of the development area F64 was butted by an east/west aligned wall built of unworked sandstone [F249] which aligned with the corner of an extant building to its west and corresponded to buildings marked on the 1925 OS map.
- 5.58 A curvilinear wall of roughly hewn iron-rich sandstone [F89] followed the west edge of F64 and turned along the south edge of F65. An east/west aligned culvert [F63] of similar construction butted F64 from the east and was overlain by a concrete surface [F57] probably associated with the 20th-century builders' yard. F64 continued south beyond the development area.

North-east corner

- 5.59 The northern rooms of the glassworks were backfilled with demolition rubble [167]. This contained late 18th- to early 19th-century pottery and kiln furnishings. Some sherds from this deposit can be positively identified as products of the Whitehaven Pottery which was immediately south of the development area and operated from 1812 to 1915 (Sibson 2008, 189-190).
- 5.60 Against the north-eastern side of F194 was a deposit of silty sand [9]. Above this sand was a very roughly built structure of sandstone and concrete blocks [F6]. F6 was overlain by a deposit of firmly-compacted industrial residues and gravel [8]. West of this, and overlying both 167 and 9, was a surface of firmly compacted clayey sand [7]. Butting against the west side of 7 was a curvilinear arrangement of unbonded machine-made bricks [F4]. To the east of 7 was a surface constructed from fragments of sandstone flags and machine-made brick [F5]. F4, F5, F6 and 7 had a similar alignment to a path depicted in this area on the 1962 OS map which formed part of the Corporation yard. F4, F5, F6, 7 and 8 were overlain by a deposit of black clay [3].

Overburden

- 5.61 Above all area A features was a deposit of ceramic building material, sandstone rubble and silty sand [56]. This deposit contained pottery sherds possibly originating in the Whitehaven Pottery, indicating that it was deposited at least several decades after the closure of the glassworks. Above this and to the south of the glassworks was a concrete surface [F218]. Over 56 and F218 was topsoil [1].

Area B (Figure 4)

Phase I

- 5.62 Natural subsoil [111] was encountered at a depth of 0.7m below the ground surface. At the eastern end of the trench a north/south aligned stone culvert [F154] cut the natural subsoil (Photo 20). This culvert was well-constructed from unworked sandstone boulders with base and capping of sandstone flags.
- 5.63 An extant east/west sandstone wall [F110] was built directly on top of F154 and extended along the southern side of area B. Near its eastern end F110 turned slightly northwards, but had been demolished at this point, surviving only as a foundation (Photo 21). This alignment was depicted on the 1866 OS town plan (Figure 12). At the east end of area B another stone culvert [F234] ran parallel to F110 and also cut the natural subsoil.
- 5.64 F110 was butted by a stone culvert [F153] of similar construction to F154, which continued eastwards to join into F154. Levelling deposits [145] against F154 were cut [F148] by the foundation of a C-shaped wall [F40, on foundation F41] which together with F110 formed a rectangular building (Photo 22). Part of this wall [F46] had been extant at the beginning of the works. This structure corresponded to a building marked as part of the pottery on the 1866 OS town plan (Figure 12).
- 5.65 The foundation cut for F40 was backfilled [149]. Levelling deposits [160 and 159] butting against the west side of F40 were overlain by an east/west aligned sandstone path [F157], with a cobbled surface [F158] to its east (Photo 23, Figure 8). This path led towards a doorway in F40.

- 5.66 In the eastern end of area B redeposited natural subsoil [113] butted the north side of F110. Deposit 113 contained pot sherds possibly originating from the Whitehaven Pottery, suggesting that sherds found in area B were not necessarily the products of the pottery of which the area B structures were part.
- 5.67 Several features overlaid or cut 113. Near the northern limit of the excavation, was a stone structure [F112], possibly a machine base (Photo 24, Figure 9). It consisted of large sandstone slabs arranged to enclose a square area. The edges of most of the stones were straight on the inward facing side but irregular on the outer side. The stones were possibly heat-affected. North of F112 was a short length of north/south aligned wall foundation [F115]. South of F112 was a large square pit [F156] which corresponded to a clay pan marked on the 1866 OS town plan (Figure 12). This pit contained sherds of coarseware vessels including wasters which may have been manufactured in the pottery.
- 5.68 Overlying the natural subsoil west of F112 and north of the pottery building was a line of red sandstone blocks [F122], each over 0.5m square. These were edging for a surface of firmly compacted yellow sandy clay, ash and sandstone rubble [123] (Photo 25). These features had no stratigraphic relationship with the pottery building, but they have been placed in Phase I because they are likely to be associated with pottery manufacturing.

Features south of wall F110

- 5.69 On the southern side of F110 demolition rubble [138] had been deposited against F110. Several structures were built on top of this deposit. Around 1m south of the centre of F110 was a square structure [F133] built of machine-made bricks laid in stretcher bond (Photo 26).
- 5.70 To the west of this and extending south beyond the limit of excavation was a short length of wall [F134] which also comprised machine-made brick in stretcher bond. Immediately north of F134, and butting against the south side of F110, was a small rectangular brick drain with iron fittings in the top [F135]. West of F135 was a short east/west aligned brick wall [F136]. Another short north/south aligned stone wall [F137] was recorded west of F136, butting F110.
- 5.71 Near the west end of F110 was a hand-made brick surface [F140] with some repairs in machine-made brick (Photo 27). This was overlain by a further hand-made brick surface [F141]. Above F141 was a firmly compacted deposit of brick rubble and mortar [F142].
- 5.72 A brick path [F139] overlaid F142 and extended westwards along the south face of F110. As these features were separated from the rest of the features in area B by wall F110 they cannot be assigned to a phase on a stratigraphic basis. However, bricks in F139 were manufactured in 1899 or later so at least the latest elements are most likely to belong to Phase II.

Phase II

- 5.73 The original pottery building underwent a substantial remodelling which included the addition of a large garage-like structure to its west and an extension to its east (Figure 8).

- 5.74 A north/south aligned sandstone wall [F116] was built against F110 and over culvert F153 at the western end of area B. To the west of F116 was a brick surface [F117] that extended west beyond the limit of excavation.
- 5.75 A brick and sandstone wall [F94] butted against Phase I wall F40 and formed the north and east sides of a room with wall F116.
- 5.76 A floor of bricks [F93] covered the area between these walls and overlaid path F157 and cobbles F158 (Photo 28). F93 extended north of the Phase I building and was significantly higher than it. At its northern end F93 overlaid wall F94 where there was a large doorstep with pintle holes for a large double door, probably indicating that it was accessible by vehicles and was perhaps a garage. This corresponded to a structure marked on the 1899 OS map (Figure 12).
- 5.77 Several features were constructed within the Phase I pottery building immediately south of F93. Butting against the western side of F40 was the base of a step made from brick and sandstone [F95]. This probably provided access to F93 from the lower structure.
- 5.78 A short sandstone wall [F96] was built to the south of this step, butting F110. This divided the Phase I building into two parts with a doorway between. To the west of and butting against F96 was a deposit of lime mortar [144]. A roughly built rectangular brick structure [F107] was built on top of 144 and butting against F96 (Photo 29). It was overlain by silty sand [143].
- 5.79 The small room between F96 and F93 probably mainly provided access between the room to the east and the 'garage' to the west. The gap between F96 and F40 was probably a doorway during the earlier phase of the building, blocked with a deposit of brick rubble containing several salt-glazed air bricks [F147].
- 5.80 Above F147, on its eastern edge, was a levelling deposit [146] and a fragmentary slate flagged floor [F97]. F97 contained the sandstone base of a fireplace which corresponded to a gap in the plaster on wall F110, presumably where the mantle and chimney breast had been (Photo 30). The high-quality slate floor and fireplace suggest that this room had been an office. Overlying both F97 and F107 was a fragment of concrete floor [F105].
- 5.81 An extension was constructed to the south of the original pottery building, and it is likely that a doorstep on the east side of F40 was added at this time. This room replaced a wood or metal building shown on the 1866 OS town plan (Figure 12) of which no trace has survived. The extension first appeared on the 1899 OS map as part of the auction mart (Figure 12). The outer wall of this extension [F101] was built of machine-made brick and butted against F40 to the east and F110 to the south, having turned through 90 degrees (Photo 31). In the south-east corner a doorstep led into a lavatory to the east.
- 5.82 A concrete floor [F99] was laid in this room which had marks showing that it had contained a sink to the west of a concrete-rendered brick plinth in the north-east corner of the room. The cast-iron waste pipe of this sink survived *in situ*. Floor F99 also contained the sandstone base for another structure to the south of the plinth, but the function of this could not be determined.

- 5.83 The lavatory structure [F102] had been built against F110 to the south and F101 to the west (Photo 32). It consisted of machine-made brick northern and eastern walls and a brick floor surface, all as a single build.
- 5.84 From the east wall, a short stub of the outer wall projected around the lavatory itself, leaving space for a door between the lavatory cubicle and the rest of the brick floor between it and the door through F101. Stone flags had been laid over the floor of the cubicle, and a ceramic lavatory base and waste pipe were attached to these. A lead water pipe projected up through this floor. A hole in the west face of F102 had probably contained the waste pipe and/or mains water supply. The cut for the sewage pipe [F126] from the lavatory was identified to the east of the lavatory.
- 5.85 To the north of the lavatory F102 projected slightly north where the floor contained an iron pipe, perhaps for a cistern. This left a small square area between the cistern to the east, the lavatory to the south and F101 to the west, which was paved with stone flags and contained an iron drain [F103]. A door led south from this space into the lavatory.
- 5.86 Stone surface F103 was probably originally outside but was later enclosed by the addition of a brick wall [F104] along the north of F102 and F103. A short length of wall of which only two bricks survived [F106] butted against F104 and was built directly on the drain in F103.
- 5.87 A machine-made brick pathway [F44] butted F101 and ran along the north side of the pottery building. A truncated north/south aligned machine-made brick wall [F43] butted the north-east corner of F44.
- Drains north of the pottery building*
- 5.88 A drain [F119] cut the eastern edge of the Phase I floor surface 123, between it and F112, and curved to the west along the front of the pottery building. At its western end F119 contained a sandstone sided and capped culvert [F118]. A salt-glazed pipe had been inserted at the eastern end of the culvert and continued through F119. Another stone culvert [F121] joined into F119 from the south, and another drain [F124] joined F119 from the east.
- Realignment of wall F110*
- 5.89 The eastern end of F110 was demolished eastwards from the point at which it turned north-east. This was replaced by a wall of similar construction but continuing the east/west alignment of the rest of the wall [F55]. This alignment was first recorded on the 1899 OS map (Figure 12).
- Phase III**
- 5.90 All features in area B were overlain by a rubble and industrial residue levelling deposit [28]. On the eastern side of area B dark yellow clayey silty sand [235] had been deposited above 28 where the land had previously sloped steeply. Above 235 and 28 was the modern car park surface [27 and 26].
- 5.91 Several features probably relating to the mid-/late 20th-century builders' yards were identified to the south of wall F110. These features post-dated demolition rubble 28. An east/west wall foundation [F128] was cut into 28 and extended 13.5m west from the eastern edge of the development area. Near the western end of this wall was a

levelling deposit of pink sand and gravel [109], above which was a cobbled surface drain [F108] leading into an iron grate. North of this, and butting against wall F55, was a cobbled surface [F114]. All of these surfaces and features were overlain by topsoil [1].

Evaluation trench 1 (Photo 33, Figures 4 and 10)

- 5.92 An evaluation trench measuring 15m long was excavated north of area B, targeting pottery buildings marked on the 1866 OS town plan. Natural subsoil was not reached. The earliest features identified were the southern [F21] and eastern [F22] walls of the targeted building, which were keyed-into each other. Both were built from uncoursed, roughly hewn sandstone blocks. F21 continued beyond the western section of the trench while F22 continued beyond the northern section. In F21, a doorway 5m east of the western end of the trench had been blocked with unworked sandstone.
- 5.93 A wall aligned north-east/south-west [F32], built of squared regular coursed sandstone, butted against the corner of F21 and F22, and was overlain by yellow-grey clay [31]. This corresponded to the southern wall of a building marked on the 1866 OS town plan (Figure 12).
- 5.94 A north/south aligned wall of unworked sandstone [F20] butted F21 at the western end of the trench. This was probably an internal wall within the buildings on the OS 1866 town plan. A short wall of machine-made brick [F35] butted against F21 to the west of the door. A deposit of blue-grey clay [36] overlaid F35 on its east side. To the west of F35 a deposit of mixed grey and orange clay [38] was laid against the north face of F21 westwards up to F20. 36 and the east side of 38 were overlain by a thin deposit of dark grey clay [37].
- 5.95 Several internal features of the building were constructed on top of layer 38. Between F35 and the blocked door was a piece of sandstone pavement [F24]. To the west side of the door was an L-shaped structure [F23] constructed of yellow bricks or tiles each measuring 1 foot square. This is a similar shape and size to the possible machine base in area B [F112] and so may have also been a machine base. A cobbled surface [F30] butted the northern edge of F23 and extended beyond the northern trench section. F23, F24 and F30 were overlain by yellow clay [39].
- 5.96 Overlying all deposits and features was a deposit of black clay [29] which was itself overlain by levelling deposit 28. Above 28 was a line of machine-made bricks [F34], probably the remains of a heavily truncated wall. Covering the entire trench was the modern car park surface [26 and 27].

Car park watching brief (Figure 4)

- 5.97 A watching brief was conducted on a trench dug to the north-east of area B to locate culvert F154. The trench was 11m long and 3m wide. Natural subsoil was not reached. The earliest feature encountered was culvert F154 which continued on its north-west/south-east alignment. The truncated end of a north/south aligned wall [F217] was identified in the southern section of the trench, built directly on F154. This was probably part of the building identified in evaluation trench 1. Levelling deposit 28 had been deposited around and over this wall and was overlain by the modern car park surface 27 and 26. The line of culvert F154 suggests it ran beneath the pottery buildings.

Evaluation trench 2 and sign foundations watching brief (Figure 5)

- 5.98 An evaluation trench measuring 10m in length was excavated to the west of area B, targeting a circular structure marked on the 1866 OS town plan (Figure 12). To the north of this trench a watching brief was conducted on three foundation trenches for the installation of a sign. Each of these foundation trenches measured 1.5m long and 1m wide.
- 5.99 Natural subsoil was not identified in any of these trenches. The earliest features identified were in two of the foundation trenches and comprised an east/west aligned sandstone wall [F47] and a flagstone pavement [F91]. F47 corresponded to the outside wall of a building depicted as part of the auction mart on the 1899 OS map, F91 was probably inside this building. F47 and F91 were overlain by laminated tipping deposits [33] containing large quantities of pot production waste and some glass-working waste, also identified in trench 2. This was overlain by the modern car park surface [26]. No trace of the circular feature targeted was identified.

Drain watching brief (Figure 5)

- 5.100 A watching brief was conducted on the excavation of a drain to the south-west of area B. The trench was 20m long and 2.5m wide. Natural subsoil was encountered at 1.5-1.9m below the ground surface. At the western end of the trench was a stone-built culvert [F241] in which two east/west aligned culverts joined into one culvert at the limit of excavation. This was overlain by a deposit of industrial residue [240], which may have been part of deposit 174 found in area A. Above this deposit was a red-brown sandy silt [239] into which was cut a north/south aligned wall [F237]. This would have met wall F110 to the north if it continued on this alignment. Overlying this wall and the eastern part of 239 was a tipping deposit [138]. This was overlain by topsoil [1] which extended over 239 in the western part of the trench, and by 28 at the eastern end of the trench.

Western Area Watching Brief

- 5.101 A watching brief was conducted on ground reduction to the south-west of area B. This revealed a sequence of tipping deposits. The earliest comprised silty clay and industrial residues [53]. Deposit 53 contained pottery sherds and kiln furniture including sherds from vessels manufactured at the Whitehaven Pottery. It is probable that the Whitehaven Pottery sherds recovered from late 19th-century and 20th-century deposits in area B were derived from deposit 53 or other similar dump deposits. This deposit was capped with yellow sandy clay [52], above which were laminated tipping deposits [51] which also contained pottery manufacturing waste. These were covered by a deposit of white sand and lime mortar [50], above which were more laminated tipping deposits containing pottery manufacturing waste [49]. Above 49 was a levelling deposit of yellow-green silty sand [48] which was overlain by topsoil [1].

6. The artefacts

Pottery assessment

Introduction

- 6.1 The pottery assemblage was examined with a view to producing an assessment report outlining the composition of the assemblage and recommending such further work as would be required for a full report.
- 6.2 For the purposes of recording, the assemblage was sub-divided into four elements: the pottery (Table 1.2), the saggars (Table 1.3), the kiln furniture (Table 1.4) and other items (Table 1.5).

Results

Pottery

- 6.3 The pottery assemblage consisted of 448 sherds weighing 21323g representing a maximum of 390 vessels. The range of wares was wide with a significant utilitarian ware component alongside kitchen wares and tablewares.
- 6.4 The assemblage showed a number of interesting features which suggest that although the Whitehaven pottery was a factory rather than a country pottery (as defined elsewhere; Cumberpatch 2014), the range of products included wares typical of a country pottery alongside refined earthenwares of the type made under factory conditions. The following notes outline the broad characteristics of the assemblage; more details of both ware types and individual vessels will be included in a full report (see Appendix 3).
- 6.5 The tableware component of the assemblage included a number of sherds which were identifiable as products of the Whitehaven Pottery and could be compared directly with sherds and vessels illustrated by Sibson in her account of the pottery and its products (2008). It should be noted that Sibson's illustrations are not numbered and references below are to the page number, not the plate or figure number.
- 6.6 Context 56 contained the rim of a plate in Tin-glazed Earthenware (TGE). While Sibson has illustrated sherds of Tin-glazed Earthenware from the site (2008, 38), details of its production remain to be identified and the designs illustrated by Sibson, while typical of TGE, did not closely resemble the design on the sherd from context 56. Further work is required to investigate the significance of the sherd and this would form part of the full report on the assemblage.
- 6.7 Two sherds of Creamware (c.1740 - c.1820) were identified in the assemblage. Context 69 contained part of the rim of a plate, while context 56 produced the upper part of a jug in Relief-banded Creamware with red slip banded decoration.
- 6.8 The majority of transfer-printed wares have been described in Table 1.2 as 'Whiteware', although the early 19th-century date for the beginning of production at the Whitehaven Pottery would imply that Pearlware should be prominent amongst its products. The designation reflected the very white finish of the sherds in question and the seeming absence of the typical 'bluing' associated with Pearlware.
- 6.9 Three sherds bore maker's marks. A plate bearing the Willow design from context 167 carried a blue printed mark on the underside; STONE CHINA / IW within a

geometric cartouche. The initials IW relate to John Wilkinson, the manager of the pottery from 1820 to 1867. The initials I W date to the period between 1820 and 1824, after which J W was used, as cited by Sibson (2008, 41–2, 191) with identical marks shown in photographs (Sibson 2008, 36, 191).

- 6.10 A second marked sherd from context 1 was incomplete, with the surviving text limited to 'POTTERY / T' on a floral spray. The origin and date of this mark have yet to be identified.
- 6.11 The assemblage from context 33 included a sherd from a serving vessel (a carver, server or plate warmer) with two marks, one stamped (SPODE 18) and one printed (SPODE). The stamped mark, with seraphs on the letter 'S', dates to the period between 1812 and 1833 (Drakard & Holdway 2002, 319; Ref No. 4) while the printed mark resembled one used between 1817 and 1833 (*ibid.*, 321; Ref. No, 33a). The presence of this sherd was also an indication that not all of the pottery in the assemblage was of local manufacture.
- 6.12 A number of unmarked pieces of transfer printed ware bore designs which were used in the Whitehaven Pottery and have been illustrated by Sibson. These included the rim and spout from a large jug bearing the transfer printed Mayfield pattern from context 167; (see Sibson 2008, 86), a sherd from a plate with a design that may be the Marseillaise pattern (*ibid.*, 87) from 53, although the sherd was badly damaged. Other designs, including Willow, Two Temples (Broseley) and dendritic patterns similar to Sea Grass were also used in the Whitehaven pottery and were noted amongst the sherds from contexts 28, 33, 53, 56, 69, 113, 120, 127, 145 and 167. While all of these designs were widely used in other potteries and so cannot be linked unequivocally with local manufacture, a number of sherds amongst the biscuit-fired wares, from contexts 28 and 143, bore the Willow design and can be considered products of the Whitehaven Pottery.
- 6.13 A bowl from context 28 and a small plate or saucer from context 38 in bone china both carried transfer-printed designs; Two Temples in the latter case and an unidentified floral design in the former case.
- 6.14 A more detailed consideration of the transfer printed designs would form part of the full report on the assemblage, although in many cases the sherds were too small for the design to be identified.
- 6.15 Four sherds bore hand-painted designs [contexts 28 and 167], for which parallels have yet to be traced.
- 6.16 Other designs and decorative techniques could also be linked with the Whitehaven Pottery drawing on the information provided by Sibson or on the basis of the presence of biscuit-fired sherds. The latter included Banded ware in context 28, Cane-coloured ware in contexts 28, 56 and 162. The Cane-coloured wares included finished examples with slip-banded decoration from contexts 28, 56 and 167 and, amongst the biscuit-fired wares, rouletted decoration on a teapot lid in context 56.
- 6.17 Slip-banded wares were made widely during the 19th century and the evidence of the biscuit-fired wares in contexts 28 and 56, together with Sibson's observations

(2008, 95), are clear evidence that the Whitehaven Pottery was amongst the sources of these popular wares.

- 6.18 A small group of Colour-glazed wares in contexts 3, 28, 56 and 167 included several sherds from teapots, including two spouts and two handles.
- 6.19 Edged wares (or 'shell-edged wares') were well represented in the assemblage in contexts 28, 56 and 167, and are also amongst the wares documented by Sibson (2008, 31). The date ranges suggested by Hunter (2024, 187-212) have been cited in Table 1.3. One such plate from context 28 may have been a waster.
- 6.20 Sponged wares were not represented amongst the biscuit-fired sherds but some of the examples from contexts 28, 160 and 167 resembled examples illustrated by Sibson (2008, 72), although the technique was widely used by 19th-century potters, being cheap and simple to apply to biscuit-fired wares. A small group of Sponge-printed wares in contexts 28, 52 and 53 and Sponge-printed Banded wares in context 28 were of unusual types and require further investigation.
- 6.21 The presence of 17 sherds of Slipware in contexts 28, 38, 56, 162 and 167 was of particular interest given that slipwares were a major element in the 18th-century pottery industry (Cumberpatch 2014). The examples from the present assemblage showed significant differences to the typical 18th-century slipwares, most notably in the limited range of trailed slip decoration (noted in Table 1.6) and in the fabrics, which in this case closely resembled those of the utilitarian wares described below and were quite different to the dense buff to cream-firing fabrics typical of the 18th-century slipwares.
- 6.22 The utilitarian wares included both Brown and Yellow Glazed Coarseware and Redware although the brown-glazed wares were considerably commoner than the other types, as summarised in Table 1.6. The fabrics of all three types were similar (and also similar to the slipwares mentioned above) and contained quantities of fine quartz and red, iron-rich grit in an oxidised body. The similarity of the fabrics suggested that they were made in the same pottery using similar clays. Smaller vessels in similar fabrics (Brown Glazed Fineware, Redware type, Yellow Glazed Fineware, Late Blackware, Late Blackware/Brown Glazed Fineware and Slipware) indicated that the pottery was producing a very wide range of domestic wares, some of it reminiscent of 18th-century wares, other than the Whitewares and Cane-coloured wares. This is consistent with the data presented by Sibson in a series of unnumbered tables (Sibson 2008) listing the various types of wares in classes (Teawares, kitchen wares, dinner wares *etc*). The presence of wasters in context 28, the majority seeming to be handled jars or chamberpots, was further confirmation of the local production of these wares.

Saggars

- 6.23 A total of 18 sagger fragments were identified in contexts 28, 127, 145, 155 and 167 with the majority coming from context 28. All of the saggars were shallow, measuring less than 65mm from the underside of the base to the top of the rim (as noted in Table 1.3) while the external diameters did not exceed 500mm. It is probable that they were all intended to be used for the firing of plates and other flatwares.

- 6.24 Saggars fragments attached to some of the wasters suggested that larger saggars were in use also and their absence may relate more to the small size of the assemblage and perhaps the origin of the material rather than to any other factor.

Kiln furniture

- 6.25 A total of 22 fragments of various kinds of kiln furniture were recovered from contexts 28, 53, 56, 113, 145 and 160. Tripod stilts were the commonest item with smaller numbers of tripod spurs. Both hand-made and machine-made stilts were represented, while the spurs were both machine-made. The kiln rods and a flattened pellet were irregular in appearance and were clearly items made on an *ad hoc* basis to seal saggars and for similar purposes.

Other material and objects

- 6.26 A small quantity of ceramic building material, sewer-pipe fragments and glass are listed in Table 1.5. The presence of 10 fragments from a sanitary installation and part of a salt-glazed sewer pipe in context 28 suggested that this deposit, despite including early 19th-century material, was created in the very late 19th or early 20th centuries. The same would seem to apply to contexts 3, 51 and 155 which all contained material of later 19th- or early 20th-century date. The base of a wine bottle from context 162 required closer dating but was perhaps of earlier 19th-century date.

Discussion

- 6.27 A detailed account of the relationship between the stratigraphy and the pottery must await the full report, as only a context register was available at the time of writing. It seems that many of the larger context groups were related to dumped deposits and backfill deposits, which may explain the presence of later material alongside pottery of earlier 19th-century type. The archaeology of dumping, backfilling and the 'making of ground' is a critical area where 18th- and 19th-century sites are concerned and a full report would consider the relationship between these deposits and the pottery assemblages recovered from them with a view to establishing the chronology of the dumping/backfilling and the composition of the assemblages.

Recommendation

- 6.28 A full report on the assemblage is recommended, further details are given in Appendix 3.

Archiving and curation

- 6.29 Once the project is complete, the assemblage should be deposited in the appropriate local museum or finds depository where it will be available for further study in the future.

Animal bone assessment

Results

- 6.30 Faunal remains were hand recovered from post-medieval levelling, dump and demolition deposits. Preservation was good. Unidentifiable fragments were not counted unless all fragments from a context were indeterminate.

[7] Floor surface/bedding layer
Cockle shell.

[28] Backfill

Cattle size ribs x 2, sawn mid shaft.

Sheep tibia, dist fused, sawn mid shaft.

Sheep size rib shaft, sawn both ends.

Bird bone, prob d. Fowl femur, extensive rodent nibble marks.

Bird bone, prob immature goose prox humerus, extensive rodent nibble marks.

Oyster shell, x 2 upper valve.

[31] Levelling

Sheep size, prob metatarsal shaft, extensive rodent nibble marks.

[56] Dump

Horse thoracic vertebra, fused epiphyses, in fragments.

Cockle shell fragment.

[59] Dump

Limpet shell.

[73=174] Coal deposit

Cattle size thoracic vertebra, fused epiphyses, split sagittally.

[130]

Indet. Fragments.

[160] Levelling

Sheep ischium.

[167] Demolition

Sheep/goat ilium, sawn midshaft, knife marks from carving down on to the bone, dog tooth marks.

Sheep size rib, prox fused, mid shaft chopped.

Pig humerus, immature as shaft was porous, dist sawn, extensive rodent nibble marks.

Pig ulna, extensive rodent nibble marks.

[174]

Cattle femur, dist fused, extensive dog gnawing marks.

[167]

Goose carpometacarpus.

[202]

Cattle femur, distal end with unfused epiphysis and diaphysis. Very young animal, but very large. Probably veal calf of large improved breed.

Pig articulating metacarpals 2 and 3, distal ends unfused.

Discussion

- 6.31 This small assemblage originated as domestic food refuse, as evidenced by the saw mark butchery and example of carving knife cuts. Beef, veal, mutton, pork and poultry were consumed and, possibly, shellfish with cockle, oyster and limpet

represented. These might also represent bait for fishing. The extensive evidence of rodent, presumed to be rat, nibble marks indicates that many bones were moved to their find spot by this agency. The cattle and sheep bones derive from typical large and robust post-medieval stock. Indirect evidence for the presence of dog is provided by a gnawed distal cattle femur, a bone still commonly given to dogs to gnaw on.

Recommendation

- 6.32 No further work is recommended.

Clay pipe assessment

Results

- 6.33 A total of 26 post-medieval clay tobacco pipe fragments were recovered from 11 contexts. 24 of these were stem fragments, with just two bowl fragments found (Table 1.7).
- 6.34 Only two of the stems preserved part of the heel, allowing for a date. One from context 56 could be dated to around 1750 and one of the five from 167 had a spur heel, dating it to the early 19th century.
- 6.35 One bowl fragment came from 28, c.50% surviving. It was plain and unsmoked and its shape suggested a late 18th-/early 19th-century date. Around 30% of the bowl from waste deposit context 145 survived. It had moulded floral decoration on the bowl and a moulded wheatsheaf motif along the seam, indicating an early 19th-century date.

Discussion

- 6.36 The assemblage is very small but is concentrated from the mid-18th to the 19th century. No earlier pipes were found and none had maker's marks.

Recommendation

- 6.37 No further work is recommended.

Glass assessment

Summary

- 6.38 A total of 307 pieces of glass were recovered from 19 contexts and appeared to be mainly products of the glassworks on site. Almost all the glass came from wine bottles, which were mid-olive green in colour and had been free blown or, less frequently, mould-blown. The glass was in broken pieces, with only one complete early bottle recovered from context 174. The assemblage included bottle base, body, neck and rim sherds, along with a limited quantity of glassworking waste in the form of cullet, droplets and runs. Details of the assemblage can be found in Table 1.8. Some entries, as indicated, have photographs which will form part of the site archive.

Results

The wares

- 6.39 Date-wise, the glass reflected the output of the works over the course of its operation. The earliest pieces were the remains of early 18th-century bladder onion or mallet bottles from contexts 36, 174 and 76. A single example of a squat cylinder bottle of mid-18th-century date onwards was identified in context 33 and later mid-

18th- to 19th-century cylinder bottles came from 28, 33 and 37. Many fragments were in good condition and only slightly weathered.

- 6.40 Two joining base/wall sherds from a weathered, greenish, clear, oval shaped spirits bottle of late 18th-/early 19th-century date were found in 160, though this context was in area B and may not have been associated with the output of the glassworks.
- 6.41 The complete bottle from 174 was a half size, flat octagonal wine bottle of around mid-18th-century date. It was 265mm high with a long neck and string rim, its body rectangular with four added angled corners, 80 x 65mm. Seven other similar bases and part wall sherds also came from this context. These seemed to be of a regular size and were therefore likely mould-blown.
- 6.42 Context 174, part of the deposit which had built up against the walls of the glassworks on its western and southern sides, produced the largest component of the glass assemblage at 146 pieces. Amongst these were bases from 38 flattened ovoid form wine bottles of early to mid-18th-century date, 16 of which were measurable. Their base dimensions varied between c.100 x 70mm and c.115 x 80mm, suggesting that they were free blown. The bottles had large pontil scars and no kickups and the glass of the base was noticeably thick, at around 8mm. Sherds from the upper body, neck and string rims of these bottles were also identified in 174, the body glass thin (2-3mm) and very bubbly.
- 6.43 An 'S' shaped jug handle, in the same colour as the bottle glass, came from context F173, a possible indication of other glassworks products.
- 6.44 The small component of later material came from contexts 28, 143 and 165. Context 28 contained reeded window glass, first made around the 1840s, 143 had a worn and slightly weathered fragment from a codd bottle, which were first patented in 1872, and 165 had a small, complete clear bottle with an external screw thread, dating it to around the early 20th century.

Glassworking waste

- 6.45 There was surprisingly little obvious evidence of cullet, droplets and runs among the assemblage. Cullet lumps were recovered from contexts 56, 59 and 174 and runs and droplets came from the same contexts. Distorted or burnt bottle parts were found in 37, 167 and 174, the two latter contexts producing neck fragments with distorted string rims.

Discussion

- 6.46 The glassworks had a known lifetime and seemed, from the evidence seen here, to have made little other than wine bottles. These were likely to have been free-blown, though the regularity of size and the unusual shape of the octagonal half size bottles suggests that these were probably mould-blown. The glass assemblage has a uniformity of colour, though the octagonal glass bottles were noticeably darker green.
- 6.47 The lack of obvious cullet and glassworking waste suggests either that the factory was well-kept whilst operational and waste was quickly recycled, or that the entire assemblage – bar the complete vessel from 174 – in fact represents cullet awaiting recycling. Whilst most fragments do not have obvious faults, some do, and simple

breakage of an otherwise unblemished bottle would have resulted in it being recycled before it left the factory.

Recommendation

- 6.48 The assemblage provides a closely dated group and contains some examples of more unusual products for the time, in the octagonal and ovoid form bottles. As such, the glass should be further studied by a suitable specialist to add to our knowledge of early industrial glassworking in England's north-west.

Building materials assessment

Results

- 6.49 Brick samples, many complete, were retained from 23 contexts across the site. These included floor surfaces and walls in area A, associated with the glassworks, and a path and later buildings in area B, associated with the pottery. Samples also came from tipping, demolition and levelling contexts in both areas. Details of the bricks and other ceramic materials can be found in Table 1.9, some entries, as indicated, with photographs which will form part of the site archive.
- 6.50 Most bricks were unfrogged, with only three frogged examples identified. Frogging of handmade bricks began in the later 18th century (Brunskill 1997, 24). A roughly frogged brick with no maker's mark came from lavatory structure F102 and two other named, frogged examples were recovered. Area B brick walkway [F139] had a brick stamped 'CLIFTON', a product of the West Cumberland Iron and Steel Co brickworks in Workington, which began production in 1899. The other frogged and named brick came from context F204, an external wall of area A, comprising structures dating to the 19th-century re-use of the glassworks. This brick was impressed with 'WHITEHAVEN', a product of the Whitehaven Brick and Tile Co, which opened in 1912, on the site of the former 19th-century Whitehaven Firebrick Co. A fourth named brick was unfrogged and came from area B tipping deposit 51. This very hard-fired brick had the partial word '...LECTRIC' impressed on one broken face and '....AVEN' faintly impressed on the other side. Again, probably a product of the 20th-century Whitehaven Brick Company.
- 6.51 The complete bricks varied greatly in size, with the largest, from context F44, the area B brick pathway, 238mm long x 115mm wide x 75mm thick. None conformed to today's standard measurement of 220 x 100 x 65-70mm.
- 6.52 Some bricks appeared to be especially roughly made and fairly soft-fired, with visible small stone inclusions and cracks and voids in the fabric. These came from area A floor surface context F75 and area B brick structure context F133 and area B brick surface contexts F140 and F142.
- 6.53 Many bricks were worn and in three examples the wear had resulted in a slightly curved profile to the leading edge. Area A contexts F70 the external wall of the glassworks and area A F75, a floor surface, produced two of these, both thought to be 18th-century contexts. A third came from area B brick surface context F140, thought to be 19th-/20th-century in date.
- 6.54 Distortion by heat was seen on several examples, with bloating of part or all the brick found in examples from area A F70, F75 and floor surfaces F190 and F222 and area B culvert F142. Examples from more than 10 contexts had evidence of either

partial vitrification of the brick or were covered or splashed by thin, vitrified deposits, all testament to high-temperature industrial activity. These were mostly from area A, but included at least three examples from area B.

- 6.55 The ceramic materials also included a complete flooring quarrel from area A floor surface context F187. This hard-fired, orange/red tile clearly showed abrasion and wear on one face. A broken section of white glazed tiles cemented to a backing made from fragments of broken brick, came from area B context 28. Fragments of brown-glazed earthenware pipe came from area B demolition deposit 167.
- 6.56 Area B demolition deposits F28 and 167 included pieces of at least six different, flat-bottomed, coarse, yellow earthenware vessels, five fragments from 28, all small, and a single, large piece from 167. The fragments from 28 had flat-topped walls c.40-65mm deep and the larger sherd from 167 was 200mm high. The smaller fragments had discontinuous areas of thin, vitrified material inside and out, some across breaks, and the larger 167 piece was intentionally glazed on its interior wall, but the inside base was unglazed with a layer of coarse, gritty white material. These vessels undoubtedly originated from the former pottery on site but were not manufactured products.
- 6.57 Area B demolition deposit 167 had a complete small, well-finished, grey Welsh slate, 225 x 130 x 5mm thick, its top edge slightly rounded. There was a small, intact rectangular hanging hole below the rounded edge. 19th/20th century.

Discussion

- 6.58 The wide range of bricks samples from the site reflects the number of different structures built, altered and refurbished during the lifetime of the two factories and the life of the site following their demise.
- 6.59 Extensive wear on the bricks from area A F70 and F189 and area B F140 and the similar, roughly made bricks from area A F75 and area B contexts F133, F140 and F142 suggests that bricks from the glassworks may have been re-used in the pottery and other area B later structures.

Recommendation

- 6.60 The earthenware vessel fragments from 28 and 167 should be added to the other ceramic material from the site for further study to determine their purpose. No further work is recommended for the rest of the assemblage.

Grinding stone assessment

Results

- 6.61 Backfill context 28 produced a grinding/sharpening stone in fine red sandstone, 385mm diam x 56mm thick with a central square spindle hole 44 x 44mm. The stone was near-complete with only an ancient removal from its edge and was in good condition, though one face had some post-depositional iron staining. Rough diagonal striations were visible in the surface along with manufacturing cuts in an irregular pattern over part of one surface. The other face was more worn/smoothed with only faint diagonal striations visible and there were cracks around the spindle hole. The edge had fine irregularly spaced, vertical finishing cut marks all round.

Discussion

- 6.62 This was likely a grinding or sharpening stone for use in the factories on site, probably for sharpening tools and knives rather than for finishing any goods manufactured there. One side has clearly been well used, but it was discarded or went out of use before the other face could be utilised.

Recommendation

- 6.63 No further work is recommended.

Iron objects assessment

Results

- 6.64 Thirty-five fragmentary iron objects came from five contexts, many of them industrial in origin and of uncertain use, though probably connected either to the industries formerly present on site or to subsequent use of the land.
- 6.65 At least nine of the objects were partial or complete nails or bolts, the largest, from context 28, 236mm in length. A further 10 objects were fragments of bars, most with both ends broken and again of uncertain use and date. Two sections of bar from demolition rubble 167 were notched and one was found still with a piece of triangular-sectioned bar corroded into one of the notches. These were probably parts of an arrangement of bars and grids for industrial use. The triangular bars appeared to be removable, perhaps for flexibility, to allow for the processing of differently-sized goods.
- 6.66 A bent and damaged double-sided advertisement sign came from 28, 445 x 330 x 6mm thick, enamelled on both sides with a yellow background and black lettering with red shading, reading 'DIABOLO CREAM SEPARATOR'. There was also a partial word, '....GENT' (likely to have been 'AGENT FOR') in the top left hand corner of each side, and three attachment holes along one short edge.
- 6.67 Details of the material can be found in Table 1.10. Some entries have photographs which will form part of the site archive.

Discussion

- 6.68 The assemblage is not large and suggests that anything metallic which could be salvaged for re-use or scrap was removed before demolition. Most of the fragments examined appear to be related industry, either as parts of plant in use on site or elements of the buildings' structure. The notched and triangular bars from 167 were probably for use in the pottery, in light of their location and associated finds.
- 6.69 The Diabolo cream separator, advertised on the enamelled sign, was first manufactured in Sweden in the late 19th century. The machines were available in either a domestic or a larger, industrial version intended for farm use. The domestic version was a small, hand-cranked device used to churn milk to separate out the cream. These machines were used into the 20th century until domestic refrigerators became more widely available. The style of the lettering on the sign suggests a late 19th- or early 20th-century date.

Recommendation

- 6.70 No further work is recommended.

Copper alloy objects assessment

Results

- 6.71 Four copper alloy objects were recovered: two thimbles, a pin and a small machine part.
- 6.72 A highly corroded, small, damaged thimble came from 56, 21mm high x 20mm diameter, with all-over indentations and a slight rim. Probably later 18th- or 19th-century date. The other thimble, from 167, was taller and narrower, 24mm high x 19mm diameter and had very fine indentations over its upper half and a pronounced rim. Its top was flat – or more likely had been pushed in during burial – and had a few worn indentations and also two small, worn perforations, probably acquired during its use. This was of 19th-century date.
- 6.73 A wound wire-headed pin also came from 167. This complete, but bent example was moderately corroded, 61mm long, its shank 2mm diam. The 4mm diameter head was made from a double turn of wire, stuck or crimped onto the shank. Wound wire headed pins were in use over a long period, from around the 14th to the 19th century, with a concentration found to date from c.1500-1700 (Caple 1986, 68).
- 6.74 A small, lightly corroded machine part was recovered from 28. This comprised a bar 23mm long, half of it square in section, 4 x 4mm, and half round-sectioned, 3.5mm diameter, with a screw thread. A circular disc, 12.5mm diameter x 3mm thick was riveted to each end, the one at the screw-threaded end had two slots. Unknown use. Later 18th- or 19th-century date.

Discussion

- 6.75 Again, the assemblage is very small, suggesting careful removal of reusable copper alloys before abandonment or demolition. The objects here are small and likely to have been overlooked or considered not worthy of retrieval.

Recommendation

- 6.76 No further work is recommended.

Lead objects assessment

Results

- 6.77 Demolition rubble context 167 produced the only two lead/lead alloy objects. One was a lightly corroded piece 72mm long made from lead 4.5mm thick, which had once been fitted around something circular. Probable prising marks along one edge showed where it had been removed. Unknown use and date.
- 6.78 The other was a highly corroded and damaged trefid handle from a pewter spoon or fork of later 17th-century date, 67mm long, tapering from 22-11mm wide x 3mm thick, the trefid decoration damaged and incomplete. The handle back was flat and the front had a moulded raised central area surrounded by raised dots.

Discussion

- 6.79 Cutlery, especially spoons, was commonly made from pewter from the medieval period until it was replaced by cheap, factory-made steel, and was used by all but the most affluent in society. It was a requirement of pewterers to mark their wares – though this was not always done – but no mark could be discerned here, possibly due to obscuring corrosion.

Recommendation

- 6.80 The spoon/fork handle should be conserved to clearly reveal the decoration and any possible maker's mark. Further study may then possibly be able to identify the pewterer.

Industrial and fuel waste residues assessment

Results

- 6.81 Backfill and dump deposits 28 and 56 produced 4908g weight of cinder/furnace slag, of industrial origin.
- 6.82 Context 28 had 2362g weight of lumps of dark, vesicular cinder/furnace slag; context 56 had 2546g weight of lumps, some similar to the material from 28, but most were smaller, less dense, more vesicular fragments, many with blue, green or greyish areas. A few were shaped as though they had accumulated against a structure while still plastic.

Discussion

- 6.83 Of uncertain origin, though unlikely to be domestic. None of the material was metalworking residues. Likely to be residues from the glassworks or pottery on site, though the material appears to be largely fuel waste.

Recommendation

- 6.84 The material is of uncertain industrial origin and was not recovered from any primary locations of production. No further work is therefore recommended.

Other materials assessment

Results

- 6.85 Context 167 had a clay marble, 17mm diameter, in a white opaque clay with orange trails. 19th-/20th-century.
- 6.86 A probable snooker ball came from context 56. This red/brown resin ball was 50mm diameter and weighed 114g, slightly smaller and lighter than the dimensions and weight for standard full-sized table play. Late 19th-/20th-century.
- 6.87 Contexts 3 and 28 produced fragments of 20th-century plastic.

Recommendation

- 6.88 No further work is recommended.

7. The palaeoenvironmental evidence

- 7.1 No material suitable for palaeoenvironmental assessment was identified.

8. The archaeological resource

- 8.1 In the southern part of the site (area A) an 18th-century glassworks was identified comprising a series of stone walls and stone and brick floors. There was evidence for at least three phases of use as a glassworks. The remains of five furnaces were identified associated with different parts of the glass making process and with different stratigraphic phases. Burial beneath industrial residues and levelling deposits preserved the structure very well, especially its northern rooms.

- 8.2 Large quantities of bottle glass were recovered, especially from deposits of industrial residue levelling deposits between Phases II and III. It is likely that this glass was made during Phases I and II. The glass assemblage is dominated by bottles and contains early to mid-18th-century types, including a complete mid-18th-century flat octagonal wine bottle. Only a single jug handle indicates products other than bottles. Both free-blown and mould-blown techniques are evidenced. Although some late-18th-century to early 19th-century bottles were recovered, these were all from area B or trenches 1 and 2 at the northern end of the site, away from the glassworks site and so may not relate to it.
- 8.3 Some ephemeral remains of brick and stone walls relating to the post-glassworks use of the area were identified. These corresponded to buildings depicted on late-19th- and early 20th-century Ordnance Survey (OS) maps.
- 8.4 In the northern part of the site (area B, trenches 1 and 2, car park and sign foundations watching brief) structures and buildings forming part of a 19th-century pottery were identified. Two stone culverts, the outer wall of a rectangular building, a cobbled path and a boundary wall comprised the earliest features in area B and were probably part of the pottery. These features are marked on the 1866 OS town plan (Figure 12). A possible machine base and a clay pan were also identified. Part of a second building, comprising some external walls and internal features, were identified in trench 1 and also corresponded to features on the 1866 map.
- 8.5 A substantial assemblage of pottery sherds and kiln furniture was recovered. Some of this can be positively identified as the products of the Whitehaven Pottery which was immediately south of the development area but seems to have dumped its waste products across the site. As much of the pottery assemblage is derived from redeposited levelling deposits it is difficult to determine how much if any was the product of the pottery of which the excavated buildings formed a part. It is possible that the courseware sherds from the clay pan are the products of the pottery.
- 8.6 A later, and better preserved, phase of use of the area B structures was also identified. This included the insertion of a floor and other structures within the earlier building and its extension to the east and west. These additions were first depicted on the 1899 OS map when the building formed part of an auction mart. It is not possible to determine whether these additions were made while the building remained a pottery or whether they represent its conversion into an auction mart. The presence of a fireplace and lavatory suggest that the building was an office at this time.
- 8.7 The regional research framework *The North-West England Regional Research Framework* (accessed 10/06/25) contains an agenda for archaeological research in the region, which is incorporated into regional planning policy implementation with respect to archaeology. In this instance, the archaeological resource addresses agenda items:

Post-medieval

PM27: How do the industries associated with the North-West evolve and develop during this period?

PM30: How do we identify and present the various traditions of pottery production in the NW during the post medieval period?

PM33: How can we identify a regional characterisation of kiln structures in the North-West?

Industrial

Ind53: What can archaeology tell us about the production and use of consumer products and their typologies from the late 18th to early 20th centuries?

Ind7.37: Late 18th-20th century pottery production sites

9. Recommendations

- 9.1 As a significant archaeological resource was uncovered by the excavation, full analysis of the data and its dissemination is recommended. An Updated Project Design has been included as Appendix 3, which lists the tasks to be undertaken to achieve this.

10. Sources

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- <https://researchframeworks.org/nwrf/>

Appendix 1: Data tables

Table 1.1: Context data

The • symbols in the columns at the right indicate the presence of artefacts of the following types: P pottery, B bone, M metals, S shell, CP clay pipe, G glass, C ceramic building material, O other materials

Feature Number	Interpretation	Deposit/Fill Number	Description	Maximum Fill Depth (m)	Artefacts								Description of Feature	Maximum Feature Dimensions (m)			Provisional date
					P	B	M	S	CP	G	C	O		Length	Width	Depth	
	Topsoil	1	Brown clayey silt	0.1										-	-	0.1	
	Made ground	2=10=18=56	Pink-grey sandy rubble deposit		•	•	•		•	•				>50	>36	0.38	20th century
	Levelling deposit	3	Black clayey silt		•		•			•	•	•		>15	>2	0.06	20th century
F4	Brick path edge												Double line of unbonded machine-made bricks	>1.9	0.5	0.06	20th century
F5	Surface												Roughly paved floor of sandstone and bricks	>2.28	2.75	0.08-0.1	20th century
F6	Wall												Wall of sandstone and concrete blocks	>2.5	0.55	0.33	20th century
	Path surface	7	Compacted grey-brown sandy silt	>0.01				•						>2	1.16	>0.01	20th century
	Surface	8	Firmly compacted black industrial residues, gravel and silt	0.08										1.08	>0.3	0.08	20th century
	Levelling deposit	9	Pink-grey silty sand	>0.01										>0.93	>0.49	>0.01	20th century
F11	Foundation	12	Yellow-brown sand	>0.01									Foundation cut for wall F205	11	0.75	>0.01	18th century
F13=F205	External wall												North/south aligned wall of room built on east side of glassworks built of roughly hewn sandstone	11	0.62	0.86	18th century
	Ash and mortar surface	14=15	Grey-white ash and mortar	>0.01										4	>2m	>0.01	18th century
	Sandstone rubble surface	16	Red sandstone rubble	0.05										>0.2	>2	0.05	18th century
	Natural subsoil	17=45=111	Yellow-brown clayey sand	-										-	-	-	-
	Made ground	19	Brick rubble and grey-brown silty sand	>0.2										3m	>2m	>0.2	18th century
F20	Internal wall												Interior wall of pottery building of roughly hewn sandstone	>1.7	0.7	0.7	19th century
F21	External wall												Exterior wall of pottery building with blocked door of roughly hewn sandstone	>7	>0.1	0.95	19th century
F22	External wall												Exterior wall of pottery building before construction of F35	>1.7	0.49	0.5	19th century
F23	Possible machine base												Line of unbonded bricks enclosing a square area	1.9	1.26	>0.03	19th century
F24	Floor surface												Sandstone paving	1.25	2	>0.07	19th century
25	VOID												VOID				
	Carpark surface	26	Grey gravel	0.05-0.1										-	-	0.05-0.1	21st century
	Carpark levelling	27	Grey-brown silt and brick rubble	0.2									Levelling deposit for modern carpark	-	-	0.2	21st century
	Made ground	28	Black sandy silt and industrial residue	0.42	•						•			34	43	0.42	19th – 20th century
	Clay deposit	29	Black clay	0.28										>15	>2	0.28	19th – 20th century
F30	Floor surface												Sandstone cobbled surface	2.23	>0.21	>0.1	19th century
	Levelling deposit	31	Yellow-grey sandy silty clay	>0.04	•	•								>1.56	>2.2	>0.04	19th century
F32	External wall			0.31									North-east/south-west aligned squared sandstone wall	>2.6	0.34	0.31	19th century
	Tipping deposits	33	Mixed deposits of sand, ash and industrial residue	>1.8	•					•				>20	>3	>1.8	19th century
F34	Wall												Line of machine-made bricks	>0.75	>0.01	0.1	20th century
F35	Internal wall												Machine-made north/south brick wall	0.9	0.27	0.15	19th century
	Tipping deposit	36	Light blue-grey silty clay	0.1										>3	>2	0.1	19th – 20th century
	Tipping deposit	37	Very dark grey clayey silt	>0.01						•				>3	>2	>0.01	19th – 20th century
	Levelling deposit	38	Blotchy grey-orange clay	>0.01	•				•					6	>2	>0.01	19th century
	Capping deposit	39	Yellow clay	0.1										5	1.1	0.1	19th – 20th century
F40=F46=F94=F98	External wall												External wall of early pottery structure, built of roughly hewn sandstone	16.6	0.4	0.1	19th century
F41	Foundation												Foundation of wall F40	1.16	0.4	0.1	19th century
F42=F101	External wall												Wall of extension to early pottery structure, built of machine-made bricks	5.5	0.23	0.12	19th century
F43	External wall												Machine-made brick wall	1.7	1.25	0.05	19th century

Feature Number	Interpretation	Deposit/Fill Number	Description	Maximum Fill Depth (m)	Artefacts								Description of Feature	Maximum Feature Dimensions (m)			Provisional date
					P	B	M	S	CP	G	C	O		Length	Width	Depth	
F44	Brick path												Machine-made brick surface	10.7	0.72	0.09	19th century
F47	External wall												Substantial sandstone wall	>1.53	>0.46	0.66	19th century
	Tipping deposit	48	Yellow-green silty sand	0.7										>6	2.9	0.7	19th-20th century
	Tipping deposit	49	Dark green-grey silty sand	0.98	•	•								>6	2.2	0.98	19th-20th century
	Tipping deposit	50	White sand and mortar	0.5										>6	2	0.5	19th-20th century
	Tipping deposit	51	Black to very dark red sandy silt	1.1	•						•			>6	>3.1	1.1	19th-20th century
	Clay capping	52	Yellow sandy clay	0.4	•				•					>6	>1.1	0.4	19th-20th century
	Tipping deposit	53	Black clayey silt and industrial residue	>0.4	•									>6	>0.9	>0.4	19th-20th century
F54	Part of F110												Substantial east/east sandstone ashlar wall	11	0.48	2.73	19th century
F55	Realignment of F110												Substantial east/west sandstone ashlar wall	5.3	0.48	2.26	19th century
F57	Concrete surface												Fragment of concrete floor surface	2.8	1.4	0.15	20th century
	Levelling deposit	58	White sand	0.19										3.4	>0.8	0.19	19th century
	Tipping deposit	59	Dark orange sandy clay	0.21				•		•				0.21	>1.92	>0.89	18th–19th century
	Compacted surface	60=62	Light grey and white silty clay and lime mortar	0.02										2	0.67	0.02	18th–19th century
	Levelling deposit	61=73=171=174	Black clinker and silt	0.9		•				•				22	24	0.9	18th century
F63	Culvert												Sandstone-built culvert	6.9	0.86	0.38	19th century
F64=F248	Culvert	250	Black silt	0.1									Sandstone-built culvert	>12.37	1.04	0.65	19th century
F65=F87=F245	South wall of tunnel												North-west/south-east sandstone wall, faced on north elevation	25.6	1.3	1.28	18th century
F66=F88=F242	North wall of tunnel												North-west/south-east sandstone wall, faced on south elevation	25.6	1.3	1.28	18th century
F67	Tunnel roof												Arch of hand-made brick	10.53	2.44	1.28	18th century
F68	Tunnel support												Stack of large sandstone blocks	0.5	0.45	0.59	18th–19th century
	Tunnel fill	69	Dark grey clayey silt	1										10.53	1.3	1	18th–19th century
F70	External glassworks wall												Substantial north/south sandstone wall	13	0.87	1.35	18th century
F71	Floor surface												Firmly-compacted mortar deposit	>0.8	>1.5	0.05	18th century
	Levelling deposit	72	Orange-grey clayey silt							•				13	>2	0.25	18th century
F74	Extension of F70												North/south sandstone wall	3.2	0.52	0.7	18th century
F75=F189	Floor surface										•		Hand-made brick surface	7.5	1.2	0.08	18th century
	Capping deposit	76	Dark grey clay	0.12	•					•				12	4	0.12	18th–19th century
	Levelling for F75	77	Yellow silty sand	0.1										6.7	5.8	0.1	18th century
F78=F177	Concrete foundation												Long, square-section concrete block	4.6	0.48	0.05	20th century
F79	Stone and brick wall												Stone wall repaired or extended with machine-made bricks	2.08	0.21	0.41	19th century
F80	Brick wall												North/south machine-made brick wall	1.5	0.04	0.37	19th century
F81	Floor surface												Fragments of a concrete surface	0.78	0.18	0.08	19th century
F82	Buttress												Irregularly shaped structure of large sandstone blocks and brick fragments	0.7	1	>0.26	19th century
F83	Floor surface												Sandstone flag surface	1.23	0.76	0.05	19th century
	Levelling deposit	85	White sand and mortar	>0.02					•					>1.9	0.74	>0.02	19th-20th century
	Tipping deposit	86	Laminated black and white clayey silt and sand	>0.11										0.88	>0.78	>0.11	19th-20th century
F89	Stone wall												Curvilinear sandstone wall	4	0.4	0.2	19th century
	Tunnel fill	90	Dark grey clayey silt	0.7										10.53	2.44	0.7	18th–19th century
F91	Floor surface												Sandstone flag pavement	>1.5	>1	>0.01	19th-20th century
F93	Garage floor												Machine-made brick floor surface with stone kerb	6	4	0.09	19th-20th century
92	VOID												VOID				
F95	Step												Hollow square brick and stone structure	1.42	0.87	0.1	19th-20th century
F96	Internal wall												Wall of roughly hewn sandstone	3	0.47	>0.1	19th-20th century
F97	Floor surface												Floor of large slate flags	2.8	3	0.06	19th-20th century
F99	Floor surface												Concrete floor with marks of sink bases	3	2.5	0.05	19th-20th century
100	VOID												VOID				
F102	Lavatory structure												Brick structure containing a stone floor and ceramic lavatory base	2.5	2.5	0.28	19th-20th century
F103	Flagstone paving												Square flagstone pavement	0.72	1.1	>0.03	19th-20th century
F104	Brick wall												Wall of machine-made brick in English garden wall bond	2.35	0.23	0.2	19th-20th century
F105	Floor surface												Fragment of cement surface	0.7	1	>0.01	19th-20th century
F106	Internal wall												Two machine-made bricks with traces of mortar	0.49	0.11	0.05	19th-20th century
F107	Brick structure												Line of machine-made bricks enclosing a rectangular space	1.78	0.75	>0.15	19th-20th century
F108	Surface drain												Linear cobbled surface, set in concrete leading to an iron grate	2.74	0.81	0.08	20th century
	Levelling deposit	109	Pink gravel and silty sand	0.01										2.74	0.81	0.08	20th century
F110=F233=F236	Boundary wall												Partially extant stone wall, with multiple structures within it	42.7	0.48	2.26	19th century

Feature Number	Interpretation	Deposit/Fill Number	Description	Maximum Fill Depth (m)	Artefacts								Description of Feature	Maximum Feature Dimensions (m)			Provisional date
					P	B	M	S	CP	G	C	O		Length	Width	Depth	
F112	Machine base												Line of sandstone blocks enclosing a square area	1.9	1.85	0.26	19th century
	Redeposited natural subsoil	113	Orange-brown sand	0.27										17.3	6.9	0.27	19th century
F114	Pavement												Cobbles set in concrete	4	1.4	0.08	20th century
F115	Wall												Poorly preserved sandstone wall foundation	>1.5	0.3	0.1	19th-20th century
F116	Wall												Roughly hewn sandstone wall	6	0.38	0.57	19th-20th century
F117	Brick paving												Machine-made brick surface	6	>1.37	0.09	19th-20th century
F118	Culvert												Stone-built culvert	4m	0.5	0.35	19th-20th century
F119	Drain	120	Dark grey-brown silty ash	0.36	•								Linear cut containing F118 and a salt-glazed drain pipe and	8	0.9	0.36	19th-20th century
F121	Drain												Stone-built culvert	1.1	0.35	0.2	19th-20th century
F122	Surface edging												Line of rectangular sandstone slabs	1.6	0.2	0.15	19th century
	Clay surface	123	Yellow-grey clay, sandstone rubble and ash	0.05										>6	>2	0.05	19th century
F124	Drain	125	Dark grey and black silty ash and gravel	>0.01									Linear cut joining F119	>4	0.5	>0.01	19th-20th century
F126	Drain	127	Grey-brown silt and rubble	>0.01	•								Drain from lavatory F102	>11	0.95	>0.01	19th-20th century
F128	Wall foundation												East/west wall south of pottery building	>13.5	0.35	>0.01	20th century
	Floor surface	129	Firmly compacted dark red clayey sand	0.03										1.2	0.5	0.03	19th-20th century
	Levelling deposit	130	Dark pink-grey silty sand	0.1		•			•	•				>2	>2	0.1	19th-20th century
F131	Cobbled paving												Cobbled paving with a line of larger stones through middle	2.94	1.53	0.11	19th-20th century
	Levelling deposit	132	Yellow-grey silty sand	0.03										>3	>2	0.03	19th-20th century
F133	Brick structure												Square brick structure, machine-made bricks in stretcher bond	1.6	1.23	>0.35	19th-20th century
F134	Brick wall												North/south brick wall, machine-made bricks in stretcher bond	>0.98	0.45	0.38	19th-20th century
F135	Drain cover												Rectangular brick structure supporting an iron drain cover	0.97	>0.65	>0.36	19th-20th century
F136	Brick wall												East/west wall, machine-made bricks in stretcher bond	1.06	0.25	0.3	19th-20th century
F137	Stone wall												North/south roughly hewn sandstone wall	1.3	0.5	>0.14	19th-20th century
	Levelling deposit	138	Rubble and dark brown-black silt	>0.5										>25	>2.5	>0.5	19th-20th century
F139	Brick walkway												Path of machine-made brick	9	0.6	0.09	19th-20th century
F140	Brick surface												Surface of hand-made brick with machine-made brick repairs	1.8	>0.35	0.09	19th-20th century
F141	Brick surface												Surface of hand-made brick	1.7	>0.8	0.07	19th-20th century
F142	Brick surface												Surface of compacted brick rubble	>2.1	>0.93	0.3	19th-20th century
	Levelling deposit	143	Grey-brown silty sand	>0.15	•					•				3.6	3.3	>0.15	19th-20th century
	Lime mortar deposit	144	White lime mortar	0.02										>2	>1.5	0.02	19th-20th century
	Levelling deposit	145	Dark grey clay and industrial residues		•									3.5	4	0.5	19th century
	Levelling deposit	146	Grey-brown silty sand	0.2										3.5	4	0.2	19th-20th century
F147	Doorway blocking deposit											•	Brick rubble and grey sandy silt deposit	1	0.5	>0.2	19th-20th century
F148	Foundation cut	149	Dark grey sandy clay	>0.01									Linear cut south of F40	16.6	0.35-0.4	>0.01	19th-20th century
F150	Stone wall												Roughly hewn north/south sandstone wall	3.07	0.44	0.56	19th-20th century
F151=F206	Stone wall												Wall of squared sandstone blocks	8	0.5	1	19th-20th century
	Levelling deposit	152	Dark red-orange sand	0.1										2.1	2	0.1	18th century
F153=F161	Culvert	162	Dark brown silt	0.3	•				•				East/west stone-built culvert	>20	0.7	0.3	19th century
F154	Culvert												Substantial north/south stone-built culvert	>30	0.64	0.8	19th century
F156	Clay pan	155	Dark brown silt and rubble	0.73	•								Square pit	3.4	4.1	0.73	19th century
F157	Stone path												Path of sandstone flags with sandstone kerb	2.15	0.94	0.13	19th century
F158	Cobbled surface												Unworked sandstone cobbled surface	1	0.76	0.1	19th century
	Levelling deposit	159	Yellow-brown sand	0.06										2.3	2.1	0.06	19th century
	Levelling deposit	160	Dark grey-brown sand	0.54	•									5.2	3.85	0.54	19th century
F163	Stone wall												Wall of roughly hewn and squared sandstone	2.3	0.63	0.87	18th century
F164	Stone wall												Poorly preserved stone wall	3	0.25	0.33	19th-20th century
	Tipping deposit	165	Brick rubble and orange-brown silty clay	0.8										>3	>0.73	0.8	19th-20th century
F166	External wall												Wall of uncoursed, unworked sandstone	4.5	0.6	1	18th century
	Demolition deposit	167=186	Light yellow-grey sand, lime mortar and sandstone rubble	1.54	•		•			•				3	2.5	1.54	19th-20th century
F168	External wall												Three keyed-in walls of unworked, roughly hewn sandstone	11.3	0.88	1.45	18th century
F169	Passageway wall												East/west wall of roughly hewn and squared sandstone	20m	0.9	1.3	18th century

Feature Number	Interpretation	Deposit/Fill Number	Description	Maximum Fill Depth (m)	Artefacts								Description of Feature	Maximum Feature Dimensions (m)			Provisional date
					P	B	M	S	CP	G	C	O		Length	Width	Depth	
F170	External wall												Wall of large squared sandstone blocks	>2.15	>1.1	0.73	19th-20th century
	Levelling deposit	172	Dark brown-orange clay		•	•					•			2.9	2.7	>0.3	18th century
F173	Wall									•			North/south wall of unworked sandstone	2.27	0.3	0.71	19th-20th century
	Redeposited natural subsoil	175	Light yellow-grey fine sand	0.1										0.5	0.3	0.1	18th century
F176	Floor surface												Cobbled surface	2.1	0.75	0.1	18th century
F178	Floor surface												Cobbled surface	2.3	0.8	0.1	18th century
F179	Furnace base												Ring of roughly hewn sandstone blocks	2.22	1.9	0.18	18th century
F180	Floor surface												Floor surface of hand-made bricks and cobbles	3	3.15	0.08	18th century
F181	Floor surface												Cobbled surface, unworked sandstone	1.6	1.3	0.07	18th century
F182	Internal wall												North/south wall of roughly hewn uncoursed sandstone	4	0.62	1.02	18th century
	Levelling deposit	183	Dark grey-brown silty clay	0.05										>5	>4	0.05	18th century
F184	Brick and stone structure												Rectangular sandstone structure with brick wall on south side	0.84	1.6	0.2	18th century
F185=F192	Internal wall												East/west wall of unworked sandstone with semi-circular recess for stairs F188	16	0.6	1.5	18th century
F187	Floor surface												Two fragments of red ceramic tile surface	4	2	0.04	18th century
F188	Staircase												Spiral staircase constructed of fine-grained grey sandstone	2.1	1.25	1.5	18th century
F190	Floor surface												Red ceramic tile floor with multiple structures within it	10	2.5	0.04	18th century
F191	Internal wall												Unworked north/south sandstone wall covered in plaster	1.5	0.36	0.12	18th century
F193	Internal wall												Unworked north/south sandstone wall covered in plaster	0.86	0.37	0.6	18th century
F194	External wall												L-shaped unworked sandstone wall	5	0.62	0.92	18th century
F195	Door blocking												Unworked mortared sandstone wall	1	0.37	0.62	18th century
F196	Internal wall												Plastered wall of unworked sandstone	2.25	0.61	0.79	18th century
F197	Passageway wall												East/west wall of unworked sandstone	16	0.5	1.4	18th century
F198	Furnace	203	White lime mortar	0.12						•			Circular brick structure, 5 courses high, 1 course thick, walls taper inwards towards top	1.8	1.62	0.12	18th century
	Redeposited natural subsoil	199	Grey-yellow fine sand	0.6										>21	>6	0.6	18th century
	Floor surface	200	Firmly-compacted coal dust	0.03-0.07										7	5	0.03-0.07	18th century
	Levelling deposit	201	Yellow and grey sand and clay	0.1									Deposit around kiln F193	7	5	0.1	19th century
	Working deposits	202	Firmly-compacted coal dust	<0.01										10	2.5	<0.01	18th century
F204	External wall												North/south wall of machine-made brick, 1 surviving course	1.94	0.3	0.45	19th-20th century
F207	Paving		Stone paving slabs										Stone paving in the base of tunnel	2.6	1	0.05	18th century
F208	Floor surface												Rough floor of sandstone fragments	>1.3	1.6	0.09	18th century
F209	Internal wall												East/west wall of unworked sandstone	3	0.55	0.78	18th century
F210	Post-pad												Sandstone block with hand-made bricks on top	0.68	0.62	0.54	18th century
F211	External wall												Sandstone wall, keyed-in to F169	7	0.93	1.2	18th century
F212	Internal wall												Sandstone wall, keyed-in to F169	3.2	0.91	0.85	18th century
F213	Internal wall												Sandstone wall, keyed-in to F169	2.8	0.95	0.79	18th century
F214	Internal wall												Single-skin sandstone wall	1.68	0.52	0.61	18th century
F215	Internal wall												North/south wall of sandstone, faced only on west elevation	4.4	0.66	0.74	18th century
F216	Internal wall												North/south wall of sandstone, faced only on east elevation	5.5	0.55	0.74	18th century
F217	External wall												North/south roughly hewn sandstone wall	>0.4	0.5	1.5	19th century
F218	Concrete surface												Concrete surface	6	2	0.21	20th century
	Redeposited natural	219	Orange clayey sand	>0.01										3	3	>0.01	19th-20th century
F220	External wall												Sandstone wall forming three sides of a room with hand-made bricks on inside	12	0.4-0.9	0.4	18th century
F221	External wall												Poorly-preserved sandstone wall	2.5	0.8	0.6	18th century
F222	Floor surface												Fragmentary red ceramic tile floor surface	1.18	2	0.08	18th century
	Buried soil	223	Very dark purple-brown silt loam	0.2										11.2	1.3	0.2	18th-20th century
F224	Pavement												Small pavement made from massive sandstone slabs	2.4	>1	0.21	18th century
F225	Pavement												Small pavement made from massive sandstone slabs – partially within tunnel	2.1	2.1	0.24	18th century
F227	Construction cut for F224	226	Dark purple-grey sandy silt	0.21									Rectangular construction cut	2.4	>1	0.21	18th century
F229	Construction cut for F225	228	Dark purple-grey sandy silt	0.24									Rectangular construction cut	1.6	1.25	0.24	18th century
F230	Pit	231	Black and red brick rubble and industrial residues	1.5									Large sub-circular pit	1	0.5	1.5	
	Levelling deposit	232	White fine sand and gravel	0.5										3	>2	0.5	

Feature Number	Interpretation	Deposit/Fill Number	Description	Maximum Fill Depth (m)	Artefacts								Description of Feature	Maximum Feature Dimensions (m)			Provisional date
					P	B	M	S	CP	G	C	O		Length	Width	Depth	
F234	Culvert												North-east/south-west aligned stone-built culvert	>2	0.6	0.8	19th century
	Levelling deposit	235	Dark yellow clayey silty sand	0.7										>3	>2	0.7	19th-20th century
F237	Internal wall												North/south sandstone wall	>2	0.65	0.5	19th-20th century
F238	Central floor around wall F196												Brick floor with curve of tiles on south side, curving around wall F196	5.5	4		18th -19th century
	Made ground	239	Laminated red-brown to cream sandy silt and rubble	0.3										>24	>2	0.3	19th-20th century
	Made ground	240	Clinker fragments	0.3										>24	>2	0.3	19th-20th century
F241	Culvert										•		Stone-built culvert	>1.2	1	0.3	19th century
243	VOID												VOID				
244	VOID												VOID				
F246	Pavement												Row of sandstone flags inside tunnel	2.5	0.76	0.08	18th century
F247	Pavement												Mortar-bonded sandstone pavement	2.5	1.25	0.09	18th century
F249	External wall												East/west sandstone wall	>2	0.7	0.1	19th-20th century
F251	Door blocking												Roughly hewn, randomly coursed sandstone masonry	2	0.8	0.8	18th century
F252	Door blocking												Roughly hewn, randomly coursed sandstone masonry	1.8	0.7	0.8	18th century

Table 1.2: Pottery

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
1	Porcelain	1	10	1	Profile	Plate	Purple angular dendritic pattern int	MC19th – EC20th	Rim & footring base	
1	Stoneware	1	11	1	BS	Preserve jar	Narrow fluting ext	MC19th – EC20th		
1	Transfer-printed Whiteware	1	26	1	Knob	Tureen	Blue fabric print on lobe-like knob	M – LC19th	Knob from the lid of a tureen	
1	Transfer-printed Whiteware	1	3	1	BS	Flatware	Grey-printed floral design int	M – LC19th	Partial maker’s mark on underside; ‘... POTTERY / ... T on a floral spray	Yes
3	Bone china	1	6	1	BS & handle	Cup	U/Dec	MC19th – EC20th		
3	Colour Glazed ware	3	9	1	Spout	Teapot	Brown glaze int & ext on a buff fabric	C19th	Brown glazed teapot	
10	Tin Glazed Earthenware	1	23	1	Rim	Plate	Hand-painted stylised floral / curvilinear design int	MC16th – MC18th		Yes
28	Biscuit-fired Banded ware	1	25	1	Rim & body	Bowl	Two groups of three slip lines above carination	C19th		Yes
28	Biscuit-fired Banded ware	1	9	1	Rim	Cup/bowl	Unfired broad blue band ext	C19th	Plain rim	
28	Biscuit-fired Banded ware	1	12	1	Footring base	Saucer/small plate	Broad blue band int	C19th		
28	Biscuit-fired Cane-coloured ware	1	71	1	Ring foot base	Bowl	U/Dec	C19th		
28	Biscuit-fired Cane-coloured ware	1	11	1	Handle	Jug	U/Dec	C19th	Narrow strap handle	
28	Biscuit-fired Cane-coloured ware	1	3	1	Rim	Hollow ware	U/Dec	C19th		
28	Biscuit-fired Transfer-printed ware	1	54	1	Profile	Carver/server	Unfired transfer-printed Willow design int	C19th	Flat base; wide, thick everted rim	
28	Biscuit-fired Transfer-printed ware	3	71	1	Recessed base	Mug/tankard	Unfired transfer-printed design ext	C19th	A recessed, footed base	
28	Biscuit-fired Transfer-printed ware	2	30	2	Rim & handle	Cup	U/ID unfired transfer-printed design; geometric border int & ext	C19th	Probably part of the same cup	
28	Biscuit-fired Transfer-printed ware	1	38	1	Recessed base	Cup	U/ID unfired transfer-printed design int & ext	C19th		
28	Biscuit-fired Transfer-printed ware	1	21	1	BS	Flatware	U/ID unfired transfer-printed design on one side	C19th		
28	Biscuit-fired Transfer-printed ware	1	34	1	Profile	Plate	Unfired stylised floral border; Chinese-style design in centre	C19th		
28	Biscuit-fired ware	1	28	1	Recessed base	Cup	U/Dec	C19th		
28	Biscuit-fired ware	1	42	1	Hollow ware	Hollow ware	U/Dec; lobate form	C19th		
28	Biscuit-fired ware	1	62	1	Flat base	Flatware	U/Dec	C19th	Thick base; probably a carver / server	
28	Biscuit-fired ware	1	39	1	Footring base	Cup/bowl	U/Dec	C19th	A rounded footring base	
28	Biscuit-fired ware	2	10	2	BS	Hollow ware	U/Dec	C19th		
28	Biscuit-fired ware	1	8	1	Footring base	Plate	U/Dec	C19th		
28	Bone China	1	42	1	Profile	Plate	Overglaze painted red line on lip; two thin lines inside rim	MC19th – EC20th		
28	Bone China	2	11	1	Rim	Plate	Red band around rim w/ two thin gold lines inside red band; all overglaze	LC19th – EC20th		
28	Bone China	1	20	1	Footring base	Plate	Thin circular gold line in centre of plate	M – LC19th		
28	Bone China	1	6	1	Footring base	Plate	U/Dec	M – LC19th		
28	Bone China	1	2	1	BS & handle	Cup	Gold lines on the sides of the handle; overglaze	M – LC19th		
28	Bone China	1	2	1	BS	Plate	Three thin overglaze gold lines int	M – LC19th		
28	Brown Glazed Coarseware	1	65	1	Tube handle	Handled vessel	Brown glaze int & ext	LC18th – C19th	A straight tube handle, blocked by walls of vessel	Yes
28	Brown Glazed Coarseware	1	374	1	Base	Large jar	Brown glaze int & partially ext above lower walls	LC18th – C19th	Hard orange fabric w/ fine red grit; thick base	
28	Brown Glazed Coarseware	1	153	1	Base	Large jar	Brown glaze int	LC18th – C19th	Thick base; hard red fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	212	1	Base	Large jar	Brown glaze int	LC18th – C19th	Hard orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	242	1	Footed base	Jar	Brown glaze & partially ext above base	LC18th – C19th	Detached sherd attached to base int; hard orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	181	1	Footed base	Jar	Dark brown glaze int & partially ext above base	LC18th – C19th	A hard dark orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	165	1	Base	Jar/pancheon	Brown glaze int	LC18th – C19th	Hard orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	91	1	Base	Jar/pancheon	Brown glaze int	LC18th – C19th	Pale orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	133	1	Base	Jar	Dark brown glaze int & partially ext above base	LC18th – C19th	A dark orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	204	1	Base	Jar	Dark brown glaze int & partially ext above base	LC18th – C19th	Thick base; hard fine orange fabric w/ fine red grit	
28	Brown Glazed Coarseware	1	82	1	BS	Jar	Dark brown glaze int & partially ext above base	LC18th – C19th	Dark orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	128	1	BS	Jar	Dark brown glaze int & partially ext above base	LC18th – C19th	Dark brown glaze ext only; glaze fumed int; orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	32	1	Footed base	Hollow ware	Dark brown glaze int	LC18th – C19th	Orange fabric w/ fine red grit	
28	Brown Glazed Coarseware	1	169	1	BS	Hollow ware	Dark brown glaze int & ext	LC18th – C19th	A very hard dark red fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	49	1	BS	Hollow ware	Dark brown glaze int & ext	LC18th – C19th	Thin-walled vessel; fine red grit & quartz	
28	Brown Glazed Coarseware	1	15	1	BS	Hollow ware	Dark brown glaze int & ext	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	6	1	BS	Hollow ware	Dark brown glaze int & ext	LC18th – C19th	A dark red fabric w/ fine quartz & red grit; cf Late Blackware	
28	Brown Glazed Coarseware	1	35	1	Rim	Dish	Dark brown glaze int & ext	LC18th – C19th	Part of a sharply everted, flat-topped rim; orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	180	1	BS	Pancheon	Dark brown glaze int only	LC18th – C19th	Rilled int surface; orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	169	1	Rim & handle	Handled jar	Dark brown glaze in & ext; unglazed top of rim	LC18th – C19th	A narrow, sharply everted rim above a lateral loop handle; orange fabric w/ common fine quartz, red & white grit	
28	Brown Glazed Coarseware	1	90	1	Rim	Bowl	Dark brown glaze int only	LC18th – C19th	A distinctive wide, flat rim w/ an internal ridge & an external ridge; fine quartz	
28	Brown Glazed Coarseware	1	87	1	Rim	Open jar	Black glaze int & ext	LC18th – C19th	A large open jar w/ a sharply everted rim; external ridge / profiled body	

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
28	Brown Glazed Coarseware	1	43	1	Rim	Open jar	Dark brown glaze int & ext	LC18th – C19th	A sharply everted, flat rim w/ a ridge below rim; orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	51	1	Rim	Bowl/pancheon	Dark brown glaze int & over rim	LC18th – C19th	A wide rim w/ a rounded profile; wide shallow dish; a dark red fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	53	1	Rim	Bowl/pancheon	Dark brown glaze int & over rim	LC18th – C19th	A rounded everted rim; orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	12	1	Rim	Bowl	Dark brown glaze int	LC18th – C19th	Rounded rim; orange fabric w/ fine red grit	
28	Brown Glazed Coarseware	1	20	1	Rim	Pancheon	Brown glaze int only	LC18th – C19th	A thick, rounded folded rim; orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	41	1	Rim	Bowl	Brown glaze int & over rim	LC18th – C19th	An everted rounded rim; orange fabric w/fine quartz & red grit	
28	Brown Glazed Coarseware	1	64	1	Rim & handle	Large jar	Black glaze int & ext	LC18th – C19th	A sharply everted rim w/ a lateral handle attached below rim; a dark red fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	21	1	Rim	Bowl	Dark brown glaze int only	LC18th – C19th	An everted rounded rim; orange fabric w /fine red grit	
28	Brown Glazed Coarseware	1	13	1	Rim	Bowl	Dark brown glaze int	LC18th – C19th	Round folded rim; dark red fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	10	1	Rim	Bowl	Brown glaze int only	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	58	1	Base	Bowl	Brown glaze int only; knife-trimmed/dry smoothed ext	LC18th – C19th	Flat base w/ a finely finished ext surface; dark orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	102	1	BS	Pancheon	Dark brown glaze int only	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	33	1	BS	Pancheon	Brown glaze int only	LC18th – C19th	Orange fabric w/ fine red grit	
28	Brown Glazed Coarseware	1	3	1	BS/Flake	Pancheon	Brown glaze int	LC18th – C19th	Orange sandy fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	20	1	BS	Pancheon	Brown glaze int; rilled surface	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	87	1	Rim	Pancheon	Black glaze int & over round rim	LC18th – C19th	Waster; A round, folded rim; glaze over one broken edge; dark red fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	114	1	Footed base	Jar	Black glaze int only	LC18th – C19th	Waster w/ glaze over one broken edge; orange fabric w/ fine quartz & red grit	
28	Brown Glazed Coarseware	1	18	1	Rim	Bowl	Black glaze int & over rim	LC18th – C19th	Round folded rim, contact scar ext; orange fabric w /fine quartz	
28	Brown Glazed Coarseware	1	16	1	Lid-seated rim	Small jar	Glazed int & ext; blistered & burnt	LC18th – C19th	A distinctive profile; very heavily overfired	
28	Brown Glazed Coarseware	1	36	1	Base	Small jar	Brown glaze int & partially ext	LC18th – C19th	An orange fabric w/ fine quartz & sparse red grit	
28	Brown Glazed Coarseware	1	68	1	Base	Jar	Brown glaze int; spots of glaze ext	LC18th – C19th	A small jar base; orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	72	1	BS	Hollow ware	Brown glaze int & ext	LC18th – C19th	Upper part of a jar; orange fabric w/ fine quartz	
28	Brown Glazed Coarseware	1	84	1	BS	Hollow ware	Partial brown glaze ext; finely mottled greenish brown glaze int	LC18th – C19th	Contact scars ext; hard orange fabric w/ quartz & red grit	
28	Brown Glazed Coarseware	1	108	1	Base/waster	Pancheon	Fine rilling ext	LC18th – C19th	Part of a base w/ many chips & flakes of clay attached by black glaze to the inner surface of the vessel	
28	Brown Glazed Coarseware	1	123	1	Rim/Waster	Chamberpot	Black glaze int & ext	LC18th – C19th	Distorted chamberpot rim w/ part of a saggar attached; a very hard, dense dark red fabric	Yes
28	Brown Glazed Coarseware	1	121	1	Waster	U/ID	Black glaze int & ext	LC18th – C19th	A very severely distorted sherd w/ part of attached saggar; a very hard, dense, semi-vitrified dark red fabric	Yes
28	Brown Glazed Coarseware	1	180	1	Rim/Waster	Chamberpot?	Black glaze int & ext	LC18th – C19th	Parts of two collapsed & deformed vessels (handled jars or chamberpots); hard, dark red fabrics	Yes
28	Brown Glazed Fineware	1	16	1	Rim & spout	Jug?	Dark brown glaze int & ext	LC18th – C19th	Possible spout or distorted rim; orange fabric w/ fine quartz & red grit	
28	Brown Glazed Fineware/Late Blackware	1	160	1	Footed base	Jar	Green-brown glaze int & partially ext	LC18th – C19th	Base of a Late Blackware style jar in a hard, dark red fabric w/ fine quartz	
28	Brown Glazed Fineware/Late Blackware	1	130	1	Footed base	Jar	Black glaze int & partially ext	LC18th – C19th	A Late Blackware style vessel in a hard, fine dense dark red fabric	
28	Brown Glazed Fineware/Late Blackware	1	120	1	Footed base	Jar	Black glaze int & partially ext	LC18th – C19th	A Late Blackware style vessel in an orange fabric w/ fine quartz & red grit	
28	Cane Coloured ware	1	38	1	Rim	Pie dish	U/Dec	C19th	A wide sharply everted rim	
28	Cane Coloured ware	1	15	1	Rim	Pie dish	U/Dec	C19th	Very light cane coloured body	
28	Colour Glazed ware	1	14	1	Handle	Teapot?	Moulded handle w/ brown glaze	C19th		
28	Colour Glazed ware	1	19	1	Handle	Teapot?	Moulded handle w/ green-brown streaky mottled glaze on a moulded handle	C19th		
28	Colour Glazed ware	1	24	1	Recessed base	Teapot	Brown mottled glaze int & ext	C19th		
28	Colour Glazed ware	1	6	1	BS	Hollow ware	Moulded curved fluting ext; mottled brown glaze int & ext	C19th		
28	Edged ware	1	29	1	Rim	Plate	Regular low-relief moulding w/ a blue painted lip	1845 – 1860	See Hunter 2024	
28	Edged ware	1	7	1	Rim	Plate	Minimal moulding w/ blue painted lip	1860 – 1880	See Hunter 2024	
28	Edged ware	1	43	1	Profile	Plate	Poorly executed ‘Grass’ pattern w/ blue painted edge	1830 – 1840	A slightly distorted plate (double footring) w/ stilt scars; probably a waster; See Hunter 2024	Yes
28	Edged ware	1	20	1	Rim	Plate	Low relief moulded rim w/ dark blue paint	1860 – 1880	See Hunter 2024	
28	Edged ware	2	8	1	Rim	Plate	Plain rim w/ blue feather-edge paint	1890 – 1900	See Hunter 2024	
28	Edged ware	4	98	1	Rim	Plate	Low relief moulded rim w/ dark blue paint	1845 – 1860	See Hunter 2024	
28	Hand-painted Whiteware	1	3	1	Rim	Bowl	Stylised blue painted floral design int	M – LC19th		
28	Hand-painted Whiteware	1	6	1	BS	Hollow ware	Stylised blue painted floral design int	M – LC19th		
28	Late Blackware type	1	9	1	BS	Hollow ware	Black glaze int & ext	C18th	A hard fine dark red fabric; cf. Blackware	
28	Redware type	1	45	1	BS	Bowl	Finely mottled orange/brown glaze int; patchy glaze ext	LC18th – EC19th	Dark orange fabric w/ fine quartz & red grit	
28	Redware type	1	77	1	BS	Bowl	Finely mottled orange/brown glaze int only	LC18th – EC19th	Dark orange fabric w/ fine quartz & red grit	
28	Redware type	1	4	1	Handle	Mug	Finely mottled orange-brown glaze	LC18th – EC19th	Dark orange fabric w/ fine quartz & red grit	

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
28	Redware type	1	22	1	Rim	Bowl	Finely mottled dark orange/brown glaze int only	LC18th – EC19th	A distinctive triangular rim w/a pointed lip; dark orange fabric w/ fine quartz & red grit	
28	Slip-banded Cane-coloured ware	1	13	1	BS	Hollow ware	Groups of three thin white slip lines w/a blue line between	C19th		
28	Slip-banded Cane-coloured ware	1	8	1	BS	Hollow ware	Two blue slip lines ext	C19th		
28	Slipware	1	114	1	Rim	Bowl	Trailed wavy line around the wide everted rim	LC18th – EC19th	Orange fabric w/ fine quartz & red grit	
28	Slipware	1	63	1	Footed base	Bowl	Dots & trailed slip lines on inside of base	LC18th – EC19th	Orange fabric w sparse fine quartz & red grit	
28	Slipware	1	79	1	Base	Bowl	Trailed wavy white slip line int	LC18th – EC19th	Fine red fabric w/ sparse fine quartz & red grit	
28	Slipware	1	32	1	BS	Hollow ware	Trailed zig-zag & curved line ext	LC18th – EC19th	Fine orange fabric w/ sparse fine red grit & quartz	
28	Slipware	1	35	1	Base	Bowl	Irregular trailed white curvilinear design int	LC18th – EC19th	A fine orange fabric w/ sparse fine red grit & quartz	
28	Slipware	1	64	1	Base	Bowl	Parallel straight white slip lines ext	LC18th – EC19th	A fine dark red fabric w/ fine quartz	
28	Slipware	1	24	1	Rim	Bowl	Zig-zag wavy line below everted rounded clubbed rim	LC18th – EC19th	Hard, fine red fabric w/ fine quartz & red grit	
28	Slipware	1	8	1	Rim/spout	Jug	Double yellow/white slip line on upper body; mottled brown glaze ext; red-brown glaze int	M – LC19th	A fine red fabric w/ fine red grit	
28	Sponge-printed banded ware	2	21	1	Rim	Bowl	Three blue painted lines below rim above brown sponge-printed circular motifs	1840+		
28	Sponge-printed banded ware	2	11	1	BS	Bowl	Three brown painted lines above carination w/ a band of brown sponge-printed circular motifs	1840+	Carinated bowl body	
28	Sponge-printed banded ware	2	6	1	BS	Bowl	Three brown painted line w/ complex blue sponge-printed design above the brown lines	1840+		
28	Sponge-printed ware	1	4	1	Rim	Hollow ware	Blue sponge printed circular motifs ext	1840+		
28	Sponge-printed ware	2	11	1	Rim	Hollow ware	Brown sponge printed bands int & ext around rim	1840+	A slightly everted rim	
28	Sponge-printed ware	2	6	1	Rim	Hollow ware	Brown sponge-printed design ext	1840+	Plain rim	
28	Sponged ware	1	27	1	Rim	Bowl	Very dark blue sponged/mottled pattern ext; moulded fluting int	1830+		
28	Sponged ware	2	36	1	Footring base	Plate/saucer	Pale blue sponging int around a plain central area	1830+		
28	Sponged ware	3	23	3	BS	Bowl	Dark blue sponging ext	1830+	Angled carinated body	
28	Sponged ware	5	4	5	BS	Hollow ware	Pale blue sponging ext	1830+		
28	Sponged ware	1	7	1	Handle	Cup/jug	Pale blue sponging on upper surface	1830+		
28	Sponged ware	1	2	1	Rim	Hollow ware	Red sponging ext	1830+		
28	Sponged ware	1	2	1	BS	Hollow ware	Red sponging ext	1830+		
28	Stoneware	1	27	1	Base	Preserve jar	Narrow fluting ext	MC19th – EC20th		
28	Stoneware	1	14	1	BS	Hollow ware	Buff stoneware	MC19th – EC20th	Possibly from a bottle	
28	Transfer-printed Bone China	4	85	1	Profile	Bowl	Blue printed floral design ext	MC19th – EC20th	A wide bowl w/ a flat recessed base	
28	Transfer-printed Whiteware	7	52	1	Profile	Small plate	Light blue complex stylised floral design int	M – LC19th	Fresh breaks	
28	Transfer-printed Whiteware	1	21	1	Rim	Carver/server	Willow int & ext; raised bosses on the rim	M – LC19th	Crazed & discoloured	
28	Transfer-printed Whiteware	1	22	1	Flat base	Carver/server	Willow int & ext	M – LC19th		
28	Transfer-printed Whiteware	1	12	1	Footring base	Plate	Willow int	M – LC19th	Double footring base	
28	Transfer-printed Whiteware	1	14	1	Rim	Plate	Willow int	M – LC19th		
28	Transfer-printed Whiteware	1	8	1	Footring base	Plate	Willow int	M – LC19th		
28	Transfer-printed Whiteware	1	4	1	Rim	Plate	Willow int	M – LC19th		
28	Transfer-printed Whiteware	1	9	1	Rim	Plate	Asiatic Pheasants border	M – LC19th		
28	Transfer-printed Whiteware	1	7	1	BS	Plate	Asiatic Pheasants?	M – LC19th		
28	Transfer-printed Whiteware	1	3	1	Rim	Small plate	Dark blue dendritic/floral pattern int	M – LC19th		
28	Transfer-printed Whiteware	1	9	1	BS	Flatware	U/ID Transfer-printed design int	M – LC19th		
28	Transfer-printed Whiteware	1	13	1	Rim	Bowl	Purple printed geometric border design	M – LC19th	Rounded everted rim	
28	Transfer-printed Whiteware	1	3	1	BS	Hollow ware	U/ID Transfer-printed design et	M – LC19th		
28	Transfer-printed Whiteware	1	19	1	Footed base	Cup/bowl	U/ID pale blue transfer-printed design int	M – LC19th	Tripod scars on underside of base; waster / second	
28	Transfer-printed Whiteware	1	7	1	Handle	Cup	Geometric design on spine of handle	M – LC19th		
28	Transfer-printed Whiteware	1	9	1	Ring foot base	Cup/bowl	Green printed geometric design in centre of base int	M – LC19th	Rounded ring foot	
28	Transfer-printed Whiteware	1	6	1	Ring foot base	Cup/bowl	Black printed dendritic pattern in centre of base int	M – LC19th	Deep rounded ring foot base	
28	Transfer-printed Whiteware	1	69	1	Footring base	Plate	Sepia printed complex floral/geometric design int	M – LC19th		
28	Unglazed Red Earthenware	3	421	1	Perforated base	Flowerpot	Two white slip lines on upper body	MC19th – EC20th	Large decorated flowerpot	
28	Unglazed Red Earthenware	1	43	1	Rim	Horticultural vessel	A single white slip line on the everted rim	MC19th – EC20th	Everted rim, not a normal flowerpot rim	
28	Unglazed Red Earthenware	1	122	1	BS	Flowerpot?	U/Dec	MC19th – EC20th	Part of a large, thick-walled horticultural vessel	
28	Unglazed Red Earthenware	1	12	1	Rim	Flowerpot?	U/Dec	MC19th – EC20th	A round clubbed rim	
28	Unglazed Red Earthenware	1	16	1	BS	Flowerpot?	Two white slip lines ext	MC19th – EC20th		
28	Whiteware	1	18	1	Rim	Small jar	Groove below rim	MC19th – EC20th		
28	Whiteware	1	50	1	Ring foot base	Bowl	U/Dec	M – LC19th	Deep angular footring; large bowl base	
28	Whiteware	1	43	1	Recessed base	Bowl/jar	U/Dec	M – LC19th		
28	Whiteware	1	15	1	Footring base	Plate	U/Dec	M – LC19th	Double footring	
28	Whiteware	1	18	1	Footring base	Plate	U/Dec	M – LC19th	Double footring	
28	Whiteware	1	4	1	Rim	Hollow ware	U/Dec	M – LC19th	Plain rim	
28	Whiteware	1	10	1	BS	Flatware	U/Dec	M – LC19th		
28	Whiteware	1	3	1	BS	Hollow ware	U/Dec	M – LC19th		

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
28	Whiteware	2	2	1	BS	Hollow ware	U/Dec	M – LC19th		
28	Whiteware	2	188	1	Footring base	Soup plate	U/Dec	M – LC19th	Double footring; deep soup plate	
28	Whiteware	1	81	1	Rim	Bowl	U/Dec	M – LC19th	A thick, folded round clubbed rim	
28	Yellow Glazed Coarseware	3	268	1	Profile	Bowl	White slip under clear (yellow) glaze int only; thin partial clear glaze ext	C18th – C19th	A small bowl w/a footed base & everted, overhanging rim; a very hard, dense dark red fabric w/ common fine quartz; waster w/a distorted profile	
28	Yellow Glazed Coarseware	1	71	1	Base & body	Bowl	White slip under clear (yellow) glaze int only; thin partial clear glaze ext	C18th – C19th	A highly distorted vessel, probably part of the small bowl; white slip int under clear (yellow) glaze, partial thin clear glaze ext	
28	Yellow Glazed Coarseware	1	70	1	Base	Bowl/pancheon	White slip int under clear glaze; thin glaze fuming ext	C18th – C19th	Hard, fine red fabric; fragments of broken sherds/flakes attached to int surface	
28	Yellow Glazed Coarseware	1	37	1	Base	Bowl/pancheon	White slip int under clear glaze	C18th – C19th	Contact scar ext; fragments of broken sherds attached to int surface; a fine orange fabric	
28	Yellow Glazed Coarseware	1	25	1	Rim	Bowl	White slip int under clear glaze; clear glaze ext	C18th – C19th	A round everted rim; a hard, dense dark red fabric w/ fine red grit	
28	Yellow Glazed Coarseware	2	87	2	Rim	Bowl/pancheon	White slip under clear glaze int	C18th – C19th	An everted, rounded rim w/ a dished upper surface	
28	Yellow Glazed Coarseware	1	262	1	Rim	Pancheon	White slip under clear glaze int; dry-smoothed ext	C18th – C19th	A heavy, rounded everted rim; a hard, dark orange fabric w/ fine quartz & red grit	
28	Yellow Glazed Coarseware	1	21	1	BS	Bowl/pancheon	White slip under clear glaze int	C18th – C19th	Hard orange fabric w/ common fine quartz	
28	Yellow Glazed Coarseware	1	102	1	BS	Pancheon	White slip under clear glaze int	C18th – C19th	A hard, dense red fabric w/ fine quartz & red grit	
28	Yellow Glazed Coarseware	1	162	1	Base	Pancheon	White slip under clear glaze int	C18th – C19th	A hard, dark orange fabric w/ fine quartz & fine red grit; flat base w/ finger impression on underside	
28	Yellow Glazed Coarseware	1	245	1	Base	Pancheon	White slip under clear glaze int	C18th – C19th	An orange fabric w/ fine red grit; pot fragments int	
28	Yellow Glazed Coarseware	1	95	1	Rim	Pancheon	White slip under clear glaze int; paler yellow than some of the YGCW	C18th – C19th	A heavy rounded everted rim; a hard dark red fabric w/ fine dark red grains	
28	Yellow Glazed Coarseware	2	130	1	Rim	Pancheon	White slip under clear glaze int; paler yellow than some of the YGCW	C18th – C19th	A short everted rim w/ a rounded profile; hard red fabric w/ fine red grit	
28	Yellow Glazed Coarseware	1	53	1	BS	Pancheon	White slip under clear glaze int; paler yellow than some of the YGCW	C18th – C19th	A hard, dark red fabric w/ fine red grit	
28	Yellow Glazed Coarseware	1	24	1	Rim	Bowl	White slip under clear glaze int; paler yellow than some of the YGCW	C18th – C19th	A rounded rim; hard red fabric w/ fine quartz & red grit	
28	Yellow Glazed Coarseware	1	11	1	Rim	Bowl	White slip under clear glaze int; paler yellow than some of the YGCW; blistered glaze	C18th – C19th	An everted round rim; dark red fabric w/fine quartz & red grit	
31	Biscuit-fired ware	1	7	1	Rim	Bowl	U/Dec	LC18th – C19th		
31	Late Redware	1	27	1	Rim	Bowl	Clear / red glaze int w/ fine black mottling	C18th – EC19th	A folded clubbed rim; orange fabric w/ fine quartz & red grit	
33	Brown Glazed Coarseware	1	35	1	Rim	Bowl	Brown glaze int only	C18th – C19th	A dense pale orange fabric w/ sparse fine quartz & red grit; clubbed folded rim	
33	Transfer-printed Whiteware	1	10	1	Rim	Plate	Willow int	M – LC19th		
33	Transfer-printed Whiteware	1	15	1	Footring base	Plate	Stylised floral design int	M – LC19th		
33	Transfer-printed Whiteware	1	18	1	BS	Carver/server	Willow	1812 – 1833	Perforated carver/server/warmer; Stamped ;'SPODE / 18' and printed SPODE on underside; see Godden 1991	Yes
38	Biscuit-fired ware	1	21	1	Footring base	Plate	U/Dec	MC18th - C19th		
38	Brown Glazed Coarseware	1	77	1	Base	Bowl	Dark brown glaze int only	C18th – C19th	Flat base w/ slight use-wear; light orange fabric w/ common fine quartz up to 0.2mm	
38	Coarse Mottled ware	2	39	1	Rim & BS	Bowl	Dark brown streaky/mottled brown glaze int & ext	C18th	A thin-walled small bowl w/ a sharply everted rim on a rounded body; orange fabric w/ moderate fine quartz & red grit	
38	Redware type	2	40	1	Base	Bowl	Clear (red-brown) glaze int & partially ext	C18th	Orange fabric w/ moderate fine quartz & rock frags	
38	Slip-coated ware	1	3	1	Handle	Cup/mug	Thin red slip on a pale orange body w/ clear glaze all over	C18th	A small loop handle; unusual variation on slip-coated ware more closely resembling Fine Redware than Late Blackware	
38	Slipware	1	13	1	BS	Hollow ware	Clear (red-brown) glaze int & partially ext; trailed white slip line ext	C18th	Fabric as Redware but w/ trailed slip decoration	
38	Slipware	1	5	1	Rim	Dish	Clear (red-brown) glaze int w/ a wavy white slip line around the rim	C18th	Fabric as Redware but w/ trailed slip decoration	
38	Transfer-printed Bone China	7	62	1	Profile	Plate/saucer	Two Temples int	C19th	Small, deep plate or saucer	
38	Yellow Glazed Coarseware	2	292	1	Profile	Bowl	White slip int under clear (yellow) glaze	C18th – C19th	Profile of a small bowl; clubbed rim; dry-smoothed ext surface	
49	Unglazed Red Earthenware	1	361	1	Base	Hollow ware	U/Dec	C19th	Thick flat base & walls from a large unglazed vessel	
52	Cane Coloured ware	1	25	1	BS/Base	Dish/bowl?	U/Dec	C19th	Form uncertain	
52	Sponge-printed ware	1	5	1	BS	Cup/bowl	Blue sponged pattern ext	1840+		
53	Sponge-printed ware	1	25	1	Profile	Small plate	Purple printed floral pattern & border int	c.1840+		
53	Transfer-printed Whiteware	1	21	1	Rim	Plate	Asiatic Pheasants	M – LC19th		
53	Transfer-printed Whiteware	1	7	1	BS	Plate	Brown printed design int; ?Marseillaise pattern?	M – LC19th		
53	Whiteware	1	11	1	Flat base	Flatware?	U/Dec	M – LC19th		
56	Biscuit-fired Cane-coloured ware	1	30	1	Lid	Teapot	Multiple rows of small 'v' shaped impressions on upper surface of the lid	C19th		Yes
56	Biscuit-fired Cane-coloured ware	1	108	1	Profile	Pie dish	U/Dec	C19th	A deep pie dish w/ a flat base & narrow, sharply everted rim	
56	Biscuit-fired ware	3	34	1	Lid	Teapot	U/Dec	C19th	An unusual pale orange earthenware fabric	
56	Biscuit-fired ware	2	56	2	Handle	Jug	U/Dec	C19th	Long plain handles; central lobe w/ two smaller flanking lobes	
56	Blue Banded ware	1	3	1	BS	Hollow ware	Blue surface w/ incised white line	C19th		
56	Bone China	1	16	1	Lid	Teapot	Domed lid w/ a blue sprigged floral spray	C19th		
56	Brown Glazed Coarseware	2	177 3	1	Profile	Open jar	Brown glaze int & partially ext	LC18th – C19th	A deep jar w/ a narrow sharply everted rim, base & a lateral handle; a hard, dense fabric w/ fine quartz & red grit	Yes

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
56	Brown Glazed Coarseware	1	664	1	Rim & handle	Open jar	Brown glaze int & ext; prominent rilling ext	LC18th – C19th	A deep jar w/ a narrow sharply everted rim & a lateral handle; a hard, dense fabric w/ fine quartz & red grit	
56	Brown Glazed Coarseware	1	61	1	BS	Hollow ware	Brown glaze int & partially ext	LC18th – C19th	Dark orange fabric w/ fine red grit	
56	Cane Coloured ware	1	40	1	Ring foot base	Bowl	Plain cane coloured ware	C19th	A rounded ring foot base	
56	Cane Coloured ware	1	69	1	Profile	Pie dish	Plain cane coloured ware	C19th	Flat base; narrow, sharply everted narrow rim	
56	Cane Coloured ware	1	35	1	Ring foot base	Bowl	Ten (of more) impressed zig-zag lines around lower body	C19th		
56	Colour Glazed ware	1	8	1	BS/Spout	Teapot	Shiny brown glaze int & ext	C19th		
56	Edged ware	1	37	1	Rim	Plate	Low relief moulded rim w/ dark blue paint	M – LC19th	See Hunter 2024	
56	Late Blackware	1	5	1	Rim	Bowl/jar	Black glaze int & ext	C18th	A hard, fine dark red fabric; everted, overhanging rim	
56	Pearlware	1	22	1	Spout	Teapot	Hand-painted chevron pattern on underside of spout	c.1780 – c.1840		
56	Relief-banded Creamware	3	38	1	Rim & spout	Jug/mug	Relief bands; raised sections w/ red-brown slip	C19th		
56	Slip Banded ware	1	17	1	Rim	Bowl	Unusual decoration; pale blue lines above & below a wide brown band w/ four wavy slip lines	C19th		
56	Slip Banded ware	1	19	1	Rim	Bowl	Band of four lined of raised dots; pale green above a buff band; above two discontinuous pale blue trailed wavy slip lines	C19th		
56	Slip-banded Cane-coloured ware	1	32	1	Rim & body	Bowl	Brown line below rim above groups of four and two thin white slip lines; carinated profile	C19th		
56	Slip-banded Cane-coloured ware	1	24	1	Rim & body	Bowl	Thin blue slip line below rim above six thin white slip lines above a second thin pale blue slip line	C19th		
56	Slipware	1	61	1	Footed base	Jar	Mottled brown glaze int & partially ext vertical zig-zag slip-trailed pattern ext	LC18th – C19th	A hard, fine red fabric w/ fine quartz & red grit	
56	Transfer-printed Whiteware	1	3	1	BS	Hollow ware	U/ID Transfer-printed design ext	M – LC19th		
56	Whiteware	1	73	1	Ring foot base	Bowl?	U/Dec	M – LC19th	Friable, decayed glaze int	
56	Yellow Glazed Coarseware	1	29	1	Rim	Bowl	White slip int under clear glaze w/ fine dark mottling	LC18th – C19th	Dark red fabric w/ fine quartz & red grit	
59	Slip Coated Coarse ware	1	72	1	BS & handle	Handled bowl/jar	Thin red slip int & ext under black glaze	C18th	A very hard, semi-vitrified buff fabric w/ moderate rock frags; unusual use of red slip on a large coarse vessels	
69	Creamware	1	8	1	Rim	Plate	U/Dec	c.1740 – c.1820	Slightly discoloured	
69	Transfer-printed Whiteware	1	7	1	Rim	Plate	Willow border int	M – LC19th		
76	Brown Glazed Coarseware	2	10	2	BS	Hollow ware	Brown glaze int & ext	C18th – C19th	Pale orange fabrics w/ white streaks; fine quartz & red grit	
113	Blue Banded ware	1	9	1	Base	Mug/tankard	Broad blue band ext	M – LC19th		
113	Redware	3	204	1	Profile	Shallow dish	Clear (red) glaze int only	C18th – C19th	A straight-sided, wide shallow dish w/ a clubbed folded rim; 52cm from base to lip	
113	Transfer-printed Whiteware	1	55	1	Ring foot base	Bowl	U/ID Transfer-printed design ext; floral spray design in centre internally	M – LC19th	Crazed & discoloured	
113	Transfer-printed Whiteware	1	8	1	Rim	Plate	Asiatic Pheasants border?	M – LC19th		
113	Yellow Glazed Coarseware	1	29	1	Rim	Bowl	White slip int	C18th – C19th	A small, flat, everted rim on a bowl body; a hard, fine, dense dark red fabric	
120	Brown Glazed Coarseware	1	66	1	BS	Pancheon	Black glaze int & partially ext	C19th	A hard dark red fabric w/ common very fine quartz	
120	Fine Redware	1	3	1	Rim	Small jar	Clear glaze int & ext	C18th – C19th	A hard, fine red fabric	
120	Transfer-printed Whiteware	1	3	1	BS	Flatware	Grey printed floral design int	M – LC19th		
120	Yellow Glazed Coarseware	1	18	1	BS	Bowl	White slip int under clear glaze; glaze fuming ext	C18th – C19th	A very hard, dense semi-vitrified dark red fabric	
127	Brown Glazed Coarseware	1	65	1	Rim	Dish	Dark brown glaze int & ext	LC18th – C19th	A sharply everted rim on an open body; slightly more abraded than typical; water-worn?	
127	Brown Glazed Coarseware type	1	67	1	Base	Hollow ware	Thin, hard brown/purple glaze int	C18th – C19th	A harder, denser fabric than typical of BGCW; more like a finer Midlands Purple fabric	
127	Transfer-printed Whiteware	1	20	1	Rim	Dish	Willow border; poor quality print	M – LC19th	A sharply everted, narrow rim	
127	Transfer-printed Whiteware	1	8	1	Footed base	Jug/mug	U/ID Transfer-printed design ext	M – LC19th	A round footed, recessed base	
143	Biscuit-fired Transfer-printed ware	1	19	1	Rim	Plate	Transfer-printed Willow border; applied but not glost-fired	LC18th – C19th		
143	Brown Glazed Coarseware	1	27	1	Rim	Bowl	Dark brown glaze int & over rim	C18th – C19th	Folded clubbed rim; a hard, dense red fabric	
143	Brown Glazed Coarseware	1	7	1	BS	Bowl	Brown glaze int only	LC18th – C19th		
143	Yellow Glazed Fineware	1	4	1	Rim	Dish	White slip, int only; clear glaze ext	C18th – C19th	A hard, fine dark red fabric	
145	Brown Glazed Coarseware	1	191	1	Base	Jar	Dark brown glaze int & partially ext	LC18th – C19th	Dark red fabric w/ fine quartz & red grit	
145	Brown Glazed Coarseware	2	127	1	Rim	Bowl	Brow glaze int & over rim	LC18th – C19th	A round clubbed rim; orange fabric w/ fine quartz & round red grit	
145	Brown Glazed Coarseware	1	133	1	Base	Pancheon	Brown glaze int only	LC18th – C19th	Orange fabric w/ a blocky fracture; fine quartz & red grit; knife-trimmed ext	
145	Brown Glazed Coarseware	1	43	1	BS	Hollow ware	Dark brown glaze int & ext; rilled ext surface	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
145	Brown Glazed Coarseware	1	8	1	BS	Hollow ware	Brown glaze int & partially ext	LC18th – C19th	Dark red fabric w/ fine quartz & red grit	
145	Redware type	1	97	1	Base	Pancheon	Red-brown glaze int; dry-smoothed ext	LC18th – C19th	A fine orange fabric w/ fine quartz & red grit; odd fracture, could be a utilised sherd or pot disc	
145	Redware type	1	77	1	Base	Jar	Re-brown glaze int & partially ext	LC18th – C19th	Dark red fabric w/ fine quartz & red grit	
145	Transfer-printed Whiteware	1	18	1	Ring foot base	Bowl	Blue printed dendritic design int	M – LC19th	Waster w/ glaze over broken edges	
145	Whiteware?	1	18	1	Decorative knob	Decorative knob	Stylised floral knob	LC18th – C19th	Unglazed but w/ patchy & streaky red slip	
145	Yellow Glazed Fineware	1	37	1	Footed base	Bowl	Thin white slip int under clear glaze; partial brown glaze ext	C18th – EC19th	Dark red fabric w/ fine quartz & red grit	
155	Brown Glazed Coarseware	1	63	1	Rim	Bottle	Red-brown glaze int & ext	LC18th – C19th	Bottle rim w/ a deep collar; orange fabric w/ fine quartz & red grit	

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
155	Brown Glazed Coarseware	1	123	1	Footed base	Bowl/pancheon	Brown glaze int only	LC18th – C19th	Waster w/ firing crack in base & glaze over broken edges; hard, dense red fabric, possibly overfired	
155	Brown Glazed Coarseware	1	175	1	Base	Jar	Brown glaze int & on upper surface ext	LC18th – C19th	Overfired, possible waster w/ blistered glaze & glaze over broken edges; hard, dense fabric w/ fine quartz & red grit, overfired	
155	Brown Glazed Coarseware	1	291	1	Base	Jar	Brown glaze int	LC18th – C19th	Large jar base; red fabric w/ common fine quartz & red grit	
155	Brown Glazed Coarseware	1	30	1	Base	Bowl	Brown glaze int	LC18th – C19th	Base of a small bowl; light orange fabric w/ fine quartz	
155	Brown Glazed Coarseware	1	71	1	Footed base	Jar	Brown glaze int	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
155	Brown Glazed Coarseware	1	43	1	BS	Pancheon	Brown glaze int	LC18th – C19th	Orange fabric w/ fine quartz	
155	Brown Glazed Coarseware	1	31	1	BS	Jar	Brown glaze int & partially ext	LC18th – C19th	Pattern of glaze resembles Late Blackware; orange fabric w/ fine quart	
155	Brown Glazed Coarseware	1	5	1	BS	Bowl	Brown glaze int	LC18th – C19th	Light buff fabric w/ common fine quartz	
155	Brown Glazed Coarseware type	1	115	1	Base	Bowl/pancheon	Red-brown glaze int only	LC18th – C19th	Hard red fabric w/ fine quartz & red grit as BGCW but the glaze is a red-brown rather than dark brown	
155	Redware type	1	18	1	Rim	Bowl	Red-brown glaze w/ fine mottling int; overfired & blistered	LC18th – C19th	A dark red fabric w/ fine quartz as BGCW but w/ distinctive glaze; waster w/ blistered glaze & glaze over broken edges	
155	Redware type	1	9	1	BS	Bowl	Red-brown glaze int only	LC18th – C19th	Orange fabric w/ fine quartz; as BGCW but w/ distinctive glaze	
155	Redware type	1	4	1	BS	Bowl	Red-brown glaze w/ fine mottling int & ext	LC18th – C19th	Orange fabric w/ fine quartz & red grit; as BGCW but w/ distinctive glaze	
155	Unglazed Red Earthenware	1	112	1	BS	Hollow ware	U/Dec	C19th	Possibly part of a large flowerpot	
155	Yellow Glazed Coarseware	1	21	1	Rim	Bowl	White slip int & over rim	LC18th – C19th	A clubbed-sub-rectangular rim; orange fabric w/ fine quartz & red grit	
155	Yellow Glazed Coarseware	1	15	1	Base	Bowl	White slip int under clear glaze	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
155	Yellow Glazed Coarseware	1	22	1	BS	Bowl	White slip int under clear glaze	LC18th – C19th	Orange fabric w/ fine quartz & red grit	
160	Biscuit-fired ware	1	8	1	BS	Hollow ware	U/Dec	MC18th – C19th	Off-white fabric; ?Cane-coloured ware	
160	Brown Glazed Coarseware	1	26	1	Rim	Bowl	Brown glaze int only	C18th – C19th	A heavy rounded, folded rim; a hard orange fabric w/ fine quartz, red and white rounded rock ‘pebbles; <0.2mm	
160	Brown Glazed Coarseware	1	15	1	Rim	Bowl	Brown glaze int & over rim	C18th – C19th	A hard orange fabric w/ fine quartz, red and white grit; rounded clubbed rim	
160	Brown Glazed Coarseware	3	15	3	BS	Bowl	Brown glaze on inner surfaces	C18th – C19th	Abraded body sherds	
160	Coarse Redware	1	4	1	Rim	Bowl	Finely mottled brown glaze int & ext	C18th – EC19th	A hard, dark red fabric w/ abundant fine quartz	
160	Sponged ware	1	2	1	BS	Hollow ware	Green & red sponging ext	c.1830+		
160	Whiteware	1	1	1	BS	Hollow ware	U/Dec	M – LC19th		
160	Yellow Glazed Coarseware	1	41	1	BS	Bowl/pancheon	White slip int under clear glaze; clear glaze ext	C18th – C19th	A hard dark red fabric w/ common fine quartz & red grit	
160	Yellow Glazed Coarseware	1	23	1	Rim	Bowl/pancheon	White slip int under clear glaze	C18th – C19th	A hard red fabric w/ common fine quartz & red grit	
160	Yellow Glazed Fineware	1	12	1	Ring foot base	Bowl	White slip int under clear glaze; clear glaze ext	C18th – EC19th	A rounded ring foot base; a hard, fine red fabric w/ fine quartz & red grit	
162	Biscuit-fired Cane-coloured ware	1	21	1	Ring foot base	Cup/bowl	U/Dec	C19th	Angular ring foot	
162	Biscuit-fired ware	1	117	1	Ring foot base	Large bowl	U/Dec	C19th	Rounded ring foot	
162	Brown Glazed Coarseware	1	156	1	Footed base	Jar	Dark brown glaze int only	LC18th – C19th	A hard, dark red fabric w/ fine quartz & round red grit	
162	Brown Glazed Coarseware	1	44	1	BS	Hollow ware	Dark brown glaze int & ext; prominent rilling int	LC18th – C19th	Fine red fabric w/ fine quart & red grit	
162	Brown Glazed Coarseware	1	18	1	BS	Hollow ware	Dark brown glaze int & ext; rilled int	LC18th – C19th	Fine dark red fabric w/ fine quartz & red grit	
162	Redware type	1	21	1	BS	Hollow ware	Dark brown glaze w/ fine mottling int & partially ext	C19th	A hard, dark red fabric w/ fine quartz & red grit	
162	Slipware	1	26	1	Base	Dish	Trailed zig-zag & curvilinear designs int	C18th	A very hard red fabric	
162	Slipware	1	99	1	Rim	Bowl	A single slip-trailed wavy line on top of round rim	C19th	A hard, dense dark red fabric w/ fine quartz	
162	Stoneware	1	35	1	BS	U/ID	Clear/pale brown lead glaze ext	M – LC19th	Oddly shaped sherd	
162	Transfer-printed Whiteware	1	6	1	Footring base	Flatware	Blue floral design int; part of a maker’s mark on underside	M – LC19th	Poor quality print	
162	Unglazed Red Earthenware	1	21	1	Base	Flowerpot	U/Dec	MC19th – EC20th	A small flowerpot	
162	Yellow Glazed Coarseware	1	52	1	Base	Bowl/pancheon	White slip under clear glaze int only	LC18th – C19th	A thick base & thinner walls; hard orange fabric w/ fine quartz & red grit	
162	Yellow Glazed Coarseware	1	54	1	Base	Bowl/pancheon	White slip under clear glaze int only	LC18th – C19th	Dry-smoothed ext; a hard red fabric w/ fine quartz, red & white grit	
162	Yellow Glazed Coarseware	1	42	1	Footed base	Bowl/pancheon	White slip int only under clear glaze	LC18th – C19th	An orange fabric	
162	Yellow Glazed Coarseware	1	25	1	Rim	Bowl/pancheon	White slip int under clear glaze	LC18th – C19th	A round clubbed rim on an open bowl body; orange fabric w/ fine quartz & red grit	
165	Whiteware	1	19	1	Handle	Mug	A moulded loop handle	C19th		
167	Biscuit-fired ware	1	19	1	Footed base	Mug	U/Dec	MC18th – C19th	A parallel-sided vessel w/ a recessed base & small foot	
167	Biscuit-fired ware	1	4	1	BS	Hollow ware	Moulded band; barely motif	MC18th – C19th	Form uncertain	
167	Biscuit-fired ware	1	11	1	Splayed base	Hollow ware	U/Dec; ext surface flaked	MC18th – C19th	Recessed base w/ a splayed foot	
167	Biscuit-fired ware	1	2	1	BS	Hollow ware	U/Dec	MC18th – C19th		
167	Brown Glazed Coarseware	1	153	1	Rim	Open jar	Dark brown glaze int & ext; unglazed rim; rilled band ext	LC18th – C19th	A sharply everted, flat-topped rim on an open jar body; moderate fine quartz& white grit up to 0.2mm, rarely larger	
167	Brown Glazed Coarseware	1	103	1	Rim	Open jar	Brown glaze int only; unglazed rim	LC18th – C19th	A sharply everted, flat-topped rim on an open jar body; bulge below rim; a hard red body w/ moderate, poorly sorted quartz & white rock frags	

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
167	Brown Glazed Coarseware	1	190	1	Base	Jar	Partial black glaze ext; misfired glaze int	LC18th – C19th	A very hard, dense red to grey fabric; overfired and a possible waster	
167	Brown Glazed Coarseware	2	90	2	BS	Bowl/jar	Brown glaze int only; red slip ext	LC18th – C19th	A hard red fabric w/ thin white streaks; moderate red & white grit, mainly >0.5mm, sparse larger grains	
167	Brown Glazed Coarseware	1	7	1	BS	Hollow ware	Dark brown glaze int & ext; rilled ext	LC18th – C19th	Orange fabric w/ moderate red & white grit	
167	Brown Glazed Coarseware	1	11	1	BS	Hollow ware	Dark brown glaze int; rilled ext	LC18th – C19th	An orange fabric w/ fine red & white grit	
167	Colour Glazed ware	1	2	1	BS	Hollow ware	Very dark blue glaze int & ext	C19th	Narrow diameter vessel; form unknown	
167	Colour Glazed ware	1	7	1	BS	Hollow ware	Black glaze int & ext	C19th	A hard, fine dark red fabric but much thinner than Bw or L Bw	
167	Edged ware	1	27	1	Rim	Plate	Moulded wavy edge w/ dark blue paint	c.1780 – c.1810	See Hunter 2024	
167	Edged ware	2	13	2	Rim	Plate	Moulded wavy edge w/ pale blue paint	c.1830 – c.1840	See Hunter 2024	
167	Edged ware	1	8	1	Rim	Plate	Wavy edge w/ low relief moulding w/ dark blue paint	M – LC19th	See Hunter 2024	
167	Late Blackware type	1	67	1	BS/handle stump	Hollow ware	Black glaze int & ext; pitted int	C18th	A very hard, dark red fabric, resembling C17th Blackware but a larger vessel than typical of either Bw or L Bw	
167	Late Blackware type?	2	82	2	BS	Hollow ware	Black glaze int & ext; double impressed line on ext surface	C18th	Very heavily over-fired reduced fabric; could be an unusual, overfired BGCW	
167	Late Redware	1	37	1	BS	Dish/bowl?	Clear glaze int & partially ext	LC18th – C19th	A hard, fine orange fabric	
167	Late Redware	1	11	1	BS	Dish/bowl?	Clear glaze int & ext	LC18th – C19th	A fine red fabric	
167	Pearlware	2	81	1	Footed base	Bowl	U/Dec	c.1780 – c.1840	A round ring-foot base;	
167	Porcelain	1	92	1	Fragment	U/ID	U/Dec	LC18th – C19th	Part of a thick-walled object / vessel; rounded or ovoid in shape	
167	Porcelain	1	2	1	Base	U/ID	U/Dec	C19th	A very thin sherd	
167	Slip-banded Cane-coloured ware	3	131	1	Footed base	Bowl	Two thin white slip lines ext	C19th	Lower part of a rounded bowl; typical slip-decorated cane-coloured bowl	
167	Slip-banded Cane-coloured ware	1	14	1	Rim	Bowl	Broad white band on body w thin brown slip lines above & below	C19th	Plain rim	
167	Slip-banded Cane-coloured ware	1	7	1	BS	Hollow ware	Thin black slip line w// thin white lines above & below	C19th		
167	Slip-banded Cane-coloured ware	1	43	1	BS	Bowl	A thin blue slip line ext	C19th	A rounded bowl	
167	Slip-banded Whiteware	1	19	1	Footed base	Bowl	Black slip line on lower body	M – LC19th	Burnt & discoloured	
167	Slipware	1	25	1	Base	Dish	Trailed white slip wavy line int under clear glaze	C18th	A hard, dense red fabric w/ fine quartz & white grit; very similar to some of the BGCW fabrics	
167	Slipware	1	11	1	BS	Dish	Small section of a white slip line under clear glaze int	C18th	A fine red fabric w/ fine quartz & white grit; cf. BGCW fabrics	
167	Sponged ware	2	5	1	Rim	Cup/bowl	Pale blue sponging ext	c.1830+	Contact scar ext	
167	Sponged ware	1	7	1	BS	Cup	Blue sponging ext	c.1830+	Possible handle scar	
167	Transfer-printed Pearlware	1	11	1	Ring-foot base	Cup/bowl	Dark blue design ext & motif in centre of base int	c.1780 – c.1840	Angular ring foot	
167	Transfer-printed Pearlware	2	181	1	Rim & spout	Large jug	Elaborate transfer-printed designs int & ext; floral & geometric patterns: Mayfield pattern; see Sibson p.84	E - MC19th	Part of jug and bowl washing set	Yes
167	Transfer-printed Pearlware	3	149	1	Footring base	Plate	Willow int	1822 – 1824	Printed maker's mark on underside: STONE CHINA / IW : See Sibson 2008:191	Yes
167	Transfer-printed Whiteware	1	5	1	Rim	Hollow ware	Dark blue abstract design int & ext; Flow Blue	c.1840+		
167	Transfer-printed Whiteware	1	9	1	Footring base	Plate	U/ID Chinese landscape design int	M – LC19th	Could be Pearlware	
167	Transfer-printed Whiteware	1	5	1	BS	Cup/bowl	Very pale blue Transfer-printed design int & ext; Two Temples?	M – LC19th		
167	Transfer-printed Whiteware	1	3	1	Rim	Cup/bowl	Geometric/curvilinear border int; U/ID design ext	M – LC19th		
167	Transfer-printed Whiteware	1	30	1	Profile	Plate	Willow int	M – LC19th	Flat base, no footring	
167	Transfer-printed Whiteware	1	19	1	Footring base	Plate	Willow int	M – LC19th		
167	Transfer-printed Whiteware	3	18	3	BS	Plate	Willow int	M – LC19th		
167	Unglazed Red Earthenware	1	50	1	Rim	Open jar	Two white slip lines ext	C19th	A sharply everted, flat-topped rim on an open jar body	
167	Whiteware	1	25	1	Rim	Jar?	U/Dec	M – LC19th	An everted rim w/ a rounded profile	
167	Whiteware	1	3	1	BS	Dish/bowl	U/Dec	M – LC19th		
167	Whiteware?	1	9	1	BS	Hollow ware	U/Dec; heavily burnt & discoloured	M – LC19th		
167	Yellow Glazed Coarseware	1	164	1	Base	Jar	White slip under clear (yellow) glaze int only	C19th	A very hard, dense dark red fabric; no inclusions; deeper than a pancheon	
167	Yellow Glazed Coarseware	1	28	1	BS	Bowl/pancheon	White slip under clear (yellow) glaze; clear glaze ext	C19th	A very hard, dense dark red fabric; no inclusions	
167	Yellow Glazed Coarseware	1	33	1	BS	Bowl/pancheon	White slip under clear (yellow) glaze; partial clear glaze ext	C19th	A hard red fabric w/ moderate fine quartz	
171	Mottled Yellow Glazed Coarseware	1	4	1	BS	Dish	White slip int w/ brown mottling; clear / mottled glaze ext	C18th – EC19th		
172	Brown Glazed Coarseware type	1	19	1	BS	Hollow ware	Black glaze int & ext	C19th	A hard dark red fabric w/ fine white streaks; sparse fine quartz w/ larger red & white rock frags <0.5mm	
172	Redware variant	2	51	1	BS	Hollow ware	Clear glaze int & ext; prominent rilling int	C18th – EC19th	A hard, fine light buff fabric	
186	Biscuit-fired ware	2	163	1	Rim & handle	Chamberpot?	U/Dec	LC18th – C19th	Globular bowl w/ a wide, flat everted rim & plain handle stump	
186	Biscuit-fired ware	2	179	1	Ring foot base	Chamberpot?	U/Dec	LC18th – C19th	Base of a globular bowl w/ a round ring foot	
186	Biscuit-fired ware	2	54	2	BS	Hollow ware	U/Dec	LC18th – C19th		
186	Brown Glazed Coarseware	1	373	1	Footed base	Jar	Brown glaze int & partially ext	LC18th – C19th	Dark red fabric w/ fine quartz & red grit; lump of clay stick to inside of base	
186	Brown Glazed Coarseware	1	420	1	Rim	Pancheon	Dark brown glaze int; fired inverted	LC18th – C19th	A narrow, sharply everted, flat-topped rim; orange fabric w/ fine white streaks; fine red & white inclusions	
186	Edged ware	1	8	1	Rim	Plate	Low-relief moulded rim w/ dark blue paint	1845 – 1860		

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes	Draw
186	Fine Redware	1	35	1	Footed base	Cup/bowl	Red-brown glaze int only	C18th – EC19th	Form resembles C18th Fine Redware / late Blackware; fine orange sandy fabric w/ fine quartz & red grit	
186	Hand-painted Whiteware	1	41	1	BS	Bowl	Hand-painted design ext & on rim; unusual pattern	M – LC19th		
186	Hand-painted Whiteware	1	13	1	Ring foot base	Bowl	Hand-painted red & green floral pattern int	M – LC19th		
186	Slipware	1	18	1	Base	Dish	Trailed zig-zag & curvilinear white slip designs int	C18th – EC19th	Dark orange fabric w/ fine quartz & red grit	
186	Slipware	1	54	1	Footed base	Jar	Brown glaze int & partially ext w/ trailed white slip design ext	C18th – EC19th	Dark orange fabric w/ fine quartz & red grit	
186	Stoneware	1	15	1	Handle	Mug	Moulded handle w/ lobes	LC18th – C19th	Elaborate handle	
186	Transfer-printed Whiteware	1	31	1	BS	Flatware	Willow int	M – LC19th	Stamped underside; 11 / 49	
186	Transfer-printed Whiteware	1	11	1	Footring base	Plate	Willow int	M – LC19th		
186	Transfer-printed Whiteware	2	20	2	Double footring base	Plate	Willow int	M – LC19th		
186	Transfer-printed Whiteware	1	8	1	Footring base	Plate	U/ID floral/geometric design int	M – LC19th		
186	Whiteware	1	20	1	BS	Dish	U/Dec	M – LC19th		
186	Yellow Glazed Coarseware	1	24	1	BS	Bowl	White slip under clear glaze int; brown glaze w/ fine mottling ext	M – LC19th	Dark orange fabric w/ fine quartz	
203	Brown Glazed Coarseware type	1	47	1	BS	Hollow ware	Dark brown glaze int & ext; chalky deposit all over	C18th – C19th	A very hard dark red fabric w/ fine quartz & rock	

Table 1.3 Saggars

Context	Type	No	Wt	ENV	Part	Form	Decoration	Notes	Ext. Diameter	Draw
28	Saggar	1	514	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 61.9mm base to top of rim	47cm; 10%	Yes
28	Saggar	1	344	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 57.6mm base to top of rim	47cm; 7%	
28	Saggar	1	370	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 57.3mm base to top of rim	42cm; 7%	
28	Saggar	1	319	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 56.2mm base to top of rim	39cm; 7%	
28	Saggar	1	330	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 42.6mm base to top of rim	38cm; 10%	
28	Saggar	1	245	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 57.3mm base to rim	29m; 12%	Yes
28	Saggar	1	159	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 41.5mm base to top of rim	U/ID	
28	Saggar	1	310	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 48.3mm centre to top of rim	U/ID	
28	Saggar	1	235	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 52.3mm centre to top of rim	U/ID	
28	Saggar	1	419	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 43.6mm base to top of rim	34cm; 15%	
28	Saggar	1	277	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 42.25mm base to top of rim	29cm.10%	
28	Saggar	1	292	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 48.9mm base to top of rim; perhaps unused	U/ID	
127	Saggar	1	85	1	Base & walls	Saggar	N/A	Typical saggar; lead glaze int only	U/ID	
145	Saggar	1	411	1	Profile	Saggar	N/A	Shallow saggar, probably for plates; 55.79, base to top of rim	36cm	
155	Saggar	1	450	1	Profile	Saggar	N/A	A shallow saggar, probably for plates; 54.1mm base to top of rim	39cm	Yes
155	Saggar	1	400	1	Profile	Saggar	N/A	A shallow saggar, probably for plates; 55.1mm base to top of rim	34cm	Yes
155	Saggar	1	386	1	Profile	Saggar	N/A	A shallow saggar, probably for plates; 45.2mm base to top of rim	34cm	Yes
167	Saggar	1	14	1	Fragment	Saggar	N/A	Glaze fumed ext; clear lead glaze int		
	Total	18	5560	18						

Table 1.4 Kiln furniture

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes
28	Kiln rod	1	26	1	Fragment	Rod	U/Dec	MC18th – C19th	A squashed & fired irregular rod
28	Kiln rod	1	7	1	Fragment	Rod	U/Dec	MC18th – C19th	Flattened rod
28	Kiln rod	1	12	1	Fragment	Rod	U/Dec	MC18th – C19th	Flattened buff rod
28	Kiln rod	1	7	1	Fragment	Rod	U/Dec	MC18th – C19th	Flattened white rod
28	Tripod stilt	1	8	1	Stilt leg	Tripod stilt	U/Dec	MC18th – C19th	One surviving leg, no foot; 45.4mm from centre to end of leg
28	Tripod stilt	1	16	1	Stilt leg	Tripod stilt	U/Dec	MC18th – C19th	One surviving leg w/ a double cone foot; 51.9mm from centre to foot
28	Tripod stilt	1	6	1	Stilt leg & foot	Tripod stilt	U/Dec	MC18th – C19th	Double cone foot
28	Tripod stilt	1	4	1	Stilt centre & legs	Tripod stilt	U/Dec	MC18th – C19th	A small tripod stilt; 29.4mm from centre to double cone foot
28	Tripod stilt	1	2	1	Stilt leg	Tripod stilt	U/Dec	MC18th – C19th	A small tripod stilt leg; 30.7mm from centre to double cone foot
28	Tripod stilt	1	9	1	Stilt leg	Tripod stilt	U/Dec	MC18th – C19th	Hand-made deep stilt; 42.45mm from centre to foot
53	Tripod stilt	1	14	1	Centre	Tripod stilt	U/Dec	MC18th – C19th	A large machine-made stilt w/ thin glaze on surfaces
56	Kiln rod	1	12	1	Fragment	Rod	U/Dec	MC18th – C19th	A flattened rod in a red & white fabric
56	Tripod stilt	1	11	1	Stilt legs	Tripod stilt	U/Dec	MC18th – C19th	Rather irregular hand-made stilt w/ double cone feet; 30m from centre to foot
113	Tripod spur	1	1	1	Complete	Tripod spur	U/Dec	C19th	A small, machine-made spur 15.3mm foot-to-foot; moulded 'CF' on underside
145	Kiln rod	1	15	1	Fragment	Rod	U/Dec	MC18th – C19th	A very heavily burnt / overfired rod fragment w/ overfired glaze
160	Biscuit-fired ware	1	11	1	Complete	Flattened pellet	U/Dec	MC18th – C19th	A flattened pellet
160	Kiln rod	1	9	1	Fragment	Hand-made rod	U/Dec	MC18th – C19th	Part of a hand-made rod made of red & white clay
160	Tripod spur	1	1	1	Complete	Tripod spur	U/Dec	C19th	A small, machine-made spur 15.3mm foot-to-foot; moulded 'CF' on underside
160	Tripod stilt	2	11	2	Stilt legs	Tripod stilt	U/Dec	MC18th – C19th	Partially hand-made stilt; one broken leg; one leg measuring 47mm centre to foot
160	Tripod stilt	1	8	1	Stilt leg	Tripod stilt	U/Dec	MC18th – C19th	An unusual flat stilt leg; 44.9mm centre to foot
160	Tripod stilt	1	5	1	Stilt leg	Tripod stilt	U/Dec	MC18th – C19th	An unusual flat stilt leg
	Total	22	195	22					

Table 1.5 Other ceramic objects

Context	Type	No	Wt	ENV	Part	Form	Decoration	Date range	Notes
3	Wall tile	1	20	1	Fragment	Wall tile	Dark green glaze	MC19th – EC20th	
28	Sanitary ware	10	772	10	Fragments	Sanitary installation	Buff and white surfaces	LC19th – C20th	Broken fragments of a sanitary installation
28	Sewer pipe	2	959	2	Fragments	Sewer pipe	Salt glaze ext	MC19th+	The fabric resembles that of the saggars but the form is of the end of a sewer pipe
51	Industrial porcelain	1	36	1	BS	U/ID	U/Dec; white glaze	MC19th – EC20th	Possibly part of a sanitary fitting or similar
155	Sewer pipe	1	265	1	Fragment	Sewer pipe	N/A	MC19th+	Part of a salt-glazed sewer pipe
162	Glass	1	76	1	Base	Bottle	U/Dec	Undated	Base of a wine bottle

Table 1.6 Ware types

Ware type	ENV
Biscuit-fired Banded ware	3
Biscuit-fired cane-coloured ware	6
Biscuit-fired Transfer-printed ware	8
Biscuit-fired ware	22
Blue Banded ware	2
Bone China	8
Brown Glazed Coarseware	91
Brown Glazed Coarseware type	4
Brown Glazed Fineware	1
Brown Glazed Fineware/Late Blackware	3
Cane Coloured ware	6
Coarse Mottled ware	1
Coarse Redware	1
Colour Glazed ware	8
Creamware	1
Edged ware	12
Fine Redware	2
Hand-painted Whiteware	4
Late Blackware	1
Late Blackware type	2
Late Blackware type?	2
Late Redware	3
Mottled Yellow Glazed Coarseware	1
Pearlware	2
Porcelain	3
Redware	1
Redware type	11
Redware variant	1
Relief-banded ware	1
Slip Banded ware	2
Slip Coated Coarse ware	1
Slip-banded Cane-coloured ware	8
Slip-banded Whiteware	1
Slip-coated ware	1
Slipware	17
Sponge-printed banded ware	3
Sponge-printed ware	5
Sponged ware	16
Stoneware	5
Tin Glazed Earthenware	1
Transfer-printed Bone China	2
Transfer-printed Pearlware	3
Transfer-printed Whiteware	48
Unglazed Red Earthenware	9
Whiteware	18
Whiteware?	2
Yellow Glazed Coarseware	34
Yellow Glazed Fineware	3
Total	390

Table 1.7 Tobacco pipe stem and bowl numbers by context

Context	Stems	Bowls	Date
3	1		
10	1		c.1750
28	2	1	L18/E19C
38	2		
52	3		
56	1		
85	1		
130	3		
145	3	1	E19C
162	2		
167	5		E19C
Total	24	2	

Table 1.8 Glass

Context	Area	No	Inc	Date	Photo
1		1	Bottle wall and base sherd.	18C	
3	A	9	2 unweathered, green & brown bottle/vessel bss; 1 plain unweathered window glass, 6mm th; 6 unweathered, patterned window glass 4-5mm th.	19/E20C	
28	B	26	2 unweathered, green cylinder wine bottle bases with kickups, 75 & 80mm diam; unweathered wine bottle neck and string rim; part green bottle base/wall sherd with kickup; 3 small green bss, 1 weathered; 1 melted green weathered droplet. slightly weathered, green/clear bottle base with pontil, 66mm diam; slightly weathered green/clear part base c60mm diam, embossed '...NITED'; 8 unweathered/slightly weathered, clear and green/clear bottle/vessel bss, neck, base, 3 bss patterned, 1 bs embossed '..HIS B....THE PROP....ISAAC...'. 1 complete unweathered clear vial, mould-made, 120mm high x 20mm diam. 5 unweathered, clear window glass, 1 plain, 4 reeded 7mm th.	M18/19C 19/E20C 19/E20C c1840+	Y Y
33	eval N of B	16	1 slightly weathered, green squat cylinder wine bottle base with kickup, 100mm diam. 3 unweathered, green cylinder wine bottle bases with kickup, 82, 85, 90mm diam. 4 slightly weathered, green wine bottle neck and string rims. 8 unweathered/slightly weathered, green bottle bss.	M18/19C M18/19C L18/E19C	Y Y
37	B	2	highly weathered, distorted, green cylinder bottle base 85mm diam; unweathered m18/19C dark green cylinder bottle base with kickup.		Y
56	A	36	4 unweathered/slightly weathered, green bladder onion/mallet wine bottle bases with kickups, 125, 130, 130, 134mm diam. 1 slightly weathered, green cylinder wine bottle base with kickup, 90mm diam. 5 slightly weathered, green wine bottle necks and string rims, 2 distorted. 18 unweathered/slightly weathered, green bottle bss. 4 melted runs/droplets, 1 a possible bottle neck; 2 slightly weathered, part-melted cullet lumps, 1 green and 1 blue. 2 slightly weathered, clear window glass, 4 & 12mm th.	E-M18C M18/19C E-M18 19/20C	Y Y
59	A	26	1 unweathered part green wine bottle base with kickup. 10 unweathered/slightly weathered, green bottle bss.		

Context	Area	No	Inc	Date	Photo
			14 melted runs/droplets, plus burnt neck/bss. 1 unweathered, blue glass cullet lump.		Y
73	A	16	3 unweathered/highly weathered, green bladder onion/mallet wine bottle bases with kickups 125, 125, 130mmdiam; 3 base fragments of a similar diam. 5 slightly weathered, green wine bottle neck and string rims, 1 burnt and very distorted. 4 slightly weathered, green bottle bss, 1 burnt. 1 heavily burnt, green bottle fragment – possibly part of a base.	E-M18C E-M18C	Y Y Y
76	A	1	part slightly weathered, green bladder onion/mallet wine bottle base with kickup 125mm diam.	E-M18C	
130	B	2	2 highly weathered, green wine bottle base fragments, 1 with kickup.		
143	B	3	1 green bottle bs; 2 slightly weathered, green/clear bss from a codd bottle.	1872+	
145	B	3	1 unweathered, green part bottle base with slight kickup c.70mm diam. 1 unweathered, green wine bottle neck and string rim. 1 unweathered green bottle bs.	19C M19C	
160	B	2	2 joining, highly weathered, greenish clear base and wall sherds from oval spirits bottle, 75mm+ x c.50mm.	L18/E19C	
165	A	1	1 complete, small 59mm unweathered, oval 34 x 20mm, clear mould-made bottle with external screw thread.	1890/20thC	
167	A	10	1 unweathered, green bottle base, 65mm diam, with slight kickup and trace of embossing 'WH...'. 1 unweathered, part green bottle base and 3 green bss. 2 unweathered, green/clear window glass, 1.5 and 11mm th. 3 small fragments of burnt and distorted glass, mortar adhering.	19C	
171	A	146	complete, slightly weathered, green half size octagonal wine bottle 265mm high, base 80 x 65mm, long neck, string rim. 7 bases unweathered, green octagonal bottles, 5 complete, c.80 x c63mm. 38 unweathered, green bases from flattened ovoid form bottles, 16 near complete, 100 x 70mm, 100 x 75mm, 105 x 75mm, 110 x 65mm, 110 x 75mm, 115 x 80mm, 115 x 75mm, 110 x 70mm, with near flat bases with large pontil scars, no kickups. 30 unweathered/slightly weathered, green wine bottle neck and string rims, 4 probably from ovoid form bottles, 4 distorted.	M18C M18C E18C E18C	Y Y Y Y

Context	Area	No	Inc	Date	Photo
			69 unweathered, green bottle bss, including base, body, neck and rim sherds, some from octagonal bottles. 2 part wall and neck sherds, thin (2-3mm) glass, from ovoid form bottles. 1 piece melted cullet; 1 melted run.	M18C 18C	Y
F173	A	3	1 unweathered green bottle bs. 1 unweathered, green glass 'S' shaped handle plus attached fragment of vessel rim. 1 slightly weathered, green/clear round base sherd, 24mm diam.	18C 19C	Y
F174	A	2	2 unweathered/slightly weathered, green wine bottle neck and string rims, 1 poorly made and distorted.	E-M18C M-L18C	
186=167	A	2	1 very dark green wine bottle neck and string rim. 1 unweathered, very dark green bottle base sherd.	19C 19C	
Total		307			

Table 1.9 Ceramic building material

		No	Description	Photo
28	B	1	Fragments of broken brick cemented together, 185x116x48mm max, then faced one side with glazed white ceramic tiles, grouted, tiles 10mm thick, part of one edge original.	Y
		5	Fragments from 5 different, flat-bottomed vessels, made from coarse, yellow earthenware. Walls, flat-topped, 43, 50, 60 and 65mm deep – depth intact - the fabric c.10mm thick. Areas of thin discontinuous vitrified material inside and out, some over breaks.	Y
F44	B	1	Complete brick, 238x115x75mm, very heavy and hard-fired, pale buff/orange, gritty fabric but smooth orange/red surfaces, sharp, well-defined edges, brick separation marks along one side, no frog or maker's mark, some vitrified deposits along 2 edges.	Y
51	B	1	Part brick 168x110x55mm, parts of one long and one short edge original. One face has '...ECTRIC', other face has faint '....AVEN' impressed.	Y
F70	A	2	Brick 220x115x70mm, mould-made, with slightly curved profile, hard-fired orange/red fabric, uneven surfaces with small voids and cracks, no frog or maker's mark, some sooting, grey/white mortar on faces and one end. Brick 230x112x 72mm, mould-made, lighter orange/red fabric, part-vitrification at one corner, cracking and bloating at one end, uneven surfaces with small voids and cracks, no frog or maker's mark, mortar both faces and one side.	Y
73	A	1	Brick 220x115x 75mm, mould-made, pale orange/red, very hard-fired fabric, heavy, uneven with small cracks/voids, but sharp, well-defined edges, no frog or maker's mark. Faces have vertical wipe marks, mortar on faces, one long and one short edge.	
F75=F189	A	1	Brick 215x c.90 x c65mm, hard-fired red/orange/purple fabric, one edge very rounded and worn, exposing dark grey/purple reduced interior. Adjacent faces/edges have vitrified deposits, no frog or maker's mark.	Y
F102	B	1	Brick, complete orange gritty fabric, 225x112x70mm, one face roughly frogged, no maker's mark.	
F104	B	1	Part brick in 3 pieces 180+ long x102x75mm, very gritty orange/red fabric, no frog or maker's mark, mortar on faces and 1 long edge.	
F133	B	1	Partial brick, 105mm wide x 70mm thick, soft-fired, small stone inclusions, rough, worn surfaces, no frog or maker's mark, <i>cf.</i> [142].	
F139	B	1	Brick, 230x110x75mm, pale orange fabric, heavy, separation marks one face, mortar and slight vitrification on one long and one short edge, one face frogged with 'CLIFTON' impressed.	Y
F140	B	1	Near complete brick 220x90x65mm, all edges abraded, one possibly curved (<i>cf.</i> F170), no frog or maker's mark, rough sandy red/purple fabric, probably handmade, small stone inclusions.	Y
F141	B	1	Partial firebrick in pale gritty earthenware c230x 110mm, surfaces orange, interior buff, slight vitrified deposits on one edge, no frog or maker's mark.	Y
F142	B	1	Part brick 165+ x 117 x 70mm, roughly made, possibly handmade, orange/red fabric, large pebble 20mm+ inclusions, surfaces rough and some abraded, voids in fabric, no frog or maker's mark.	Y

		No	Description	Photo
F147	B	1	Partial airbrick, 298x152x60mm, very gritty orange/buff interior, red/orange smooth surfaces, 7 conical perforations along one face, narrowing to a small 5mm hole on the opposite face, no evidence of wear, one intact corner squared, another rounded, edges worn.	Y
167=186	B	1	Fragment brown-glazed earthenware pipe system, with at least three different channels, 242x122mm wide, fabric 24mm thick. Unknown use. Roughly made large sherd in coarse yellow earthenware (cf. [28]), 200mm high, flat-topped and flat-bottomed, wall 20-22mm thick, clear glaze on internal wall, inside base unglazed with coarse, white gritty material, patchy vitrification on outside and underside.	Y
F170	A	2	Brick, 235x110x60mm, orange/red gritty fabric, one face wiped, one with linear mark, thin slaggy material on one long and one short end, no frog or maker's mark. Brick in similar gritty fabric 215x110x60mm, no frog or maker's mark faces wiped, thin vitrified deposits all faces/sides.	
186=167	B		Partial firebrick 152x102x50-53mm, possibly originally wedge-shaped, parts of one long and one short edge have thin vitrified material which also covers breaks.	Y
F187	A	1	Brick 228x110x62mm, mould-made, pale orange/red, hard-fired fabric with sharp, well-defined edges, no frog or maker's mark, one face and one long edge semi-vitrified, other face slight blistering and cracks.	
F187	A	1	Flooring quarrel 225x225x58mm, one face no wear, other face abraded with wear/damage, orange/red, fairly hard-fired.	
F189=F75	A	2	Brick 230x95x60mm, orange/brown fabric, edges abraded, one long edge curved (cf. F140), heat-distorted, slight vitrified deposits all sides. Brick 225x90-115x 65mm, red/brown, rough fabric with small stone inclusions (cf. F133, F140, F142), no frog or maker's mark, one end heat-distorted/bloated, all surfaces thin vitrified deposits, possibly handmade.	Y
F190	A	2	Brick 215x100-110x60mm, orange/red sandy/gritty fabric, slight heat-distortion, wipe marks one face, no frog or maker's mark or mortar. Brick 220x100x60mm, orange/red sandy/gritty fabric, slight heat-distortion, thin vitrified deposits, no frog or maker's mark or mortar.	Y
F194	A	2	Brick 208mm+ x 110x70mm, roughly made, orange/red fabric, no frog or maker's mark, mortar on faces and sides, one end bloated, distorted and vitrified. Brick 220x 110x70mm, orange/red fabric, roughly made, cracked, no frog or maker's mark, one end blackened and burnt, mortar one face and 2 sides.	
F204	A	1	Brick, complete, 235x110x75mm, pale orange fabric, very heavy, frogged both faces, one impressed 'WHITEHAVEN'.	Y
F220	A	2	Brick from 'inside' 202+ x 100 x60mm, orange/red sandy fabric, edges abraded, cf. [F140], no frog or maker's mark, mortar both faces and one long edge.	Y

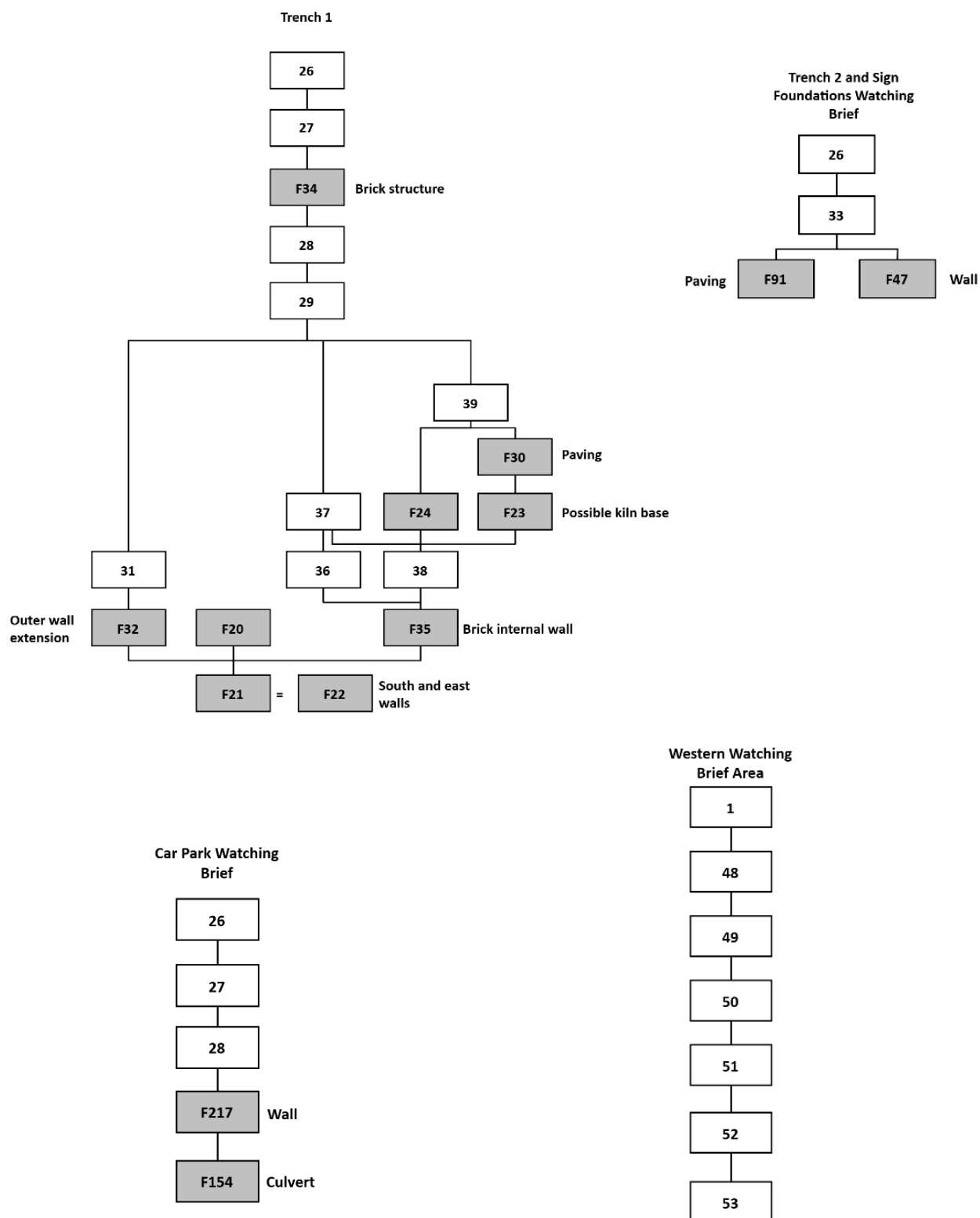
		No	Description	Photo
			Brick from 'S side', complete, 232x110x70mm, red/purple fabric, very heavy, no frog or maker's mark, vitrification on one face, one long and one short end, mortar both faces and one end.	Y
F222	A	1	Partial brick 165+ x 110x70mm, red, sandy fabric, white shell/rock inclusions, possibly handmade, one face wiped, other rough with large void/fault, cracks on end.	Y
F241	B	1	Brick 220x115x60mm, orange/red, sandy, gritty fabric, thin vitrified deposits, cracking, heat distortion especially at one end, no frog or maker's mark, mortar on one long edge.	Y

Table 1.10 Iron objects

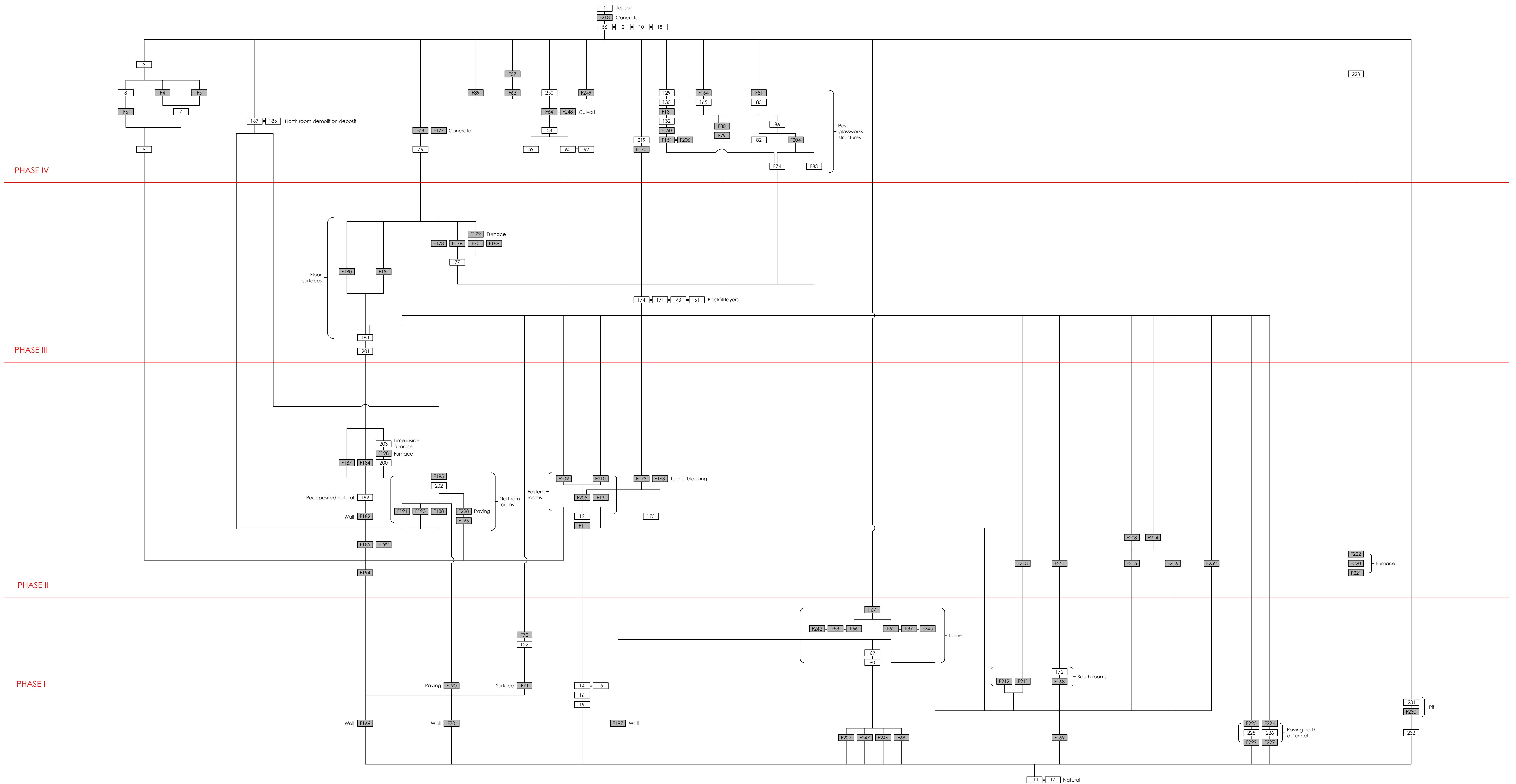
Context	No	Includes	Photo
3	10	3 intact nails 155, 124, 52mm long. Bent wire 73mm long x 4mm diam. Thin 2mm sheet fragment, 93 x 75, pierced by bolt 98mm long x 12mm diam with round head 22mm diam. Intact curved wall hook 114mm long rectangular in section tapering from 16 x 7mm to 6 x 3mm. Strap/plate fragment 168mm long, highly corroded, both ends broken, c.35 x 5mm tapering to 17 x 5 mm, with another small fragment corroded to it. Bar fragment, both ends broken, 105mm long, rectangular in section 15 x 12mm. 2 corroded unidentifiable lumps agglomerated with corrosion products, 'slag' fragments and unburnt coal.	
28	7	Part of large nail/bolt 236mm long x 15mm diam, circular head 30mm diam. Possibly complete 'S' shaped hook, 141mm long, metal 20mm wide x 4mm, with at least one perforation for attachment. Lightly corroded lock mechanism 75 x 60 x c.20mm thick and integral door fitting plate, 132 x 25mm, with two large attachment holes. Highly corroded bar fragment 132mm long x 20mm diam, both ends broken. Bent bar fragment 461mm long, rectangular in section 17 x 15mm, becoming round-sectioned, 12mm diam, towards the intact end, which has a sub-rectangular 'stop', 19 x 15mm. Highly corroded intact object 148mm long, rectangular in section, 15 x 9mm tapering to a 9 x 9mm point. Wider end has a circular piece, 25mm diam, bent at right angles to the shank. Bifurcated object, possibly complete, moderately corroded, comprising a square-sectioned 15 x 15mm straight bar 310mm long with one intact end bent at right angles, the other thinning to a near point 8 x 3mm. 50mm from the square-sectioned end the piece bifurcates with a bent, round-sectioned bar 131mm long, with an intact end. Bent and damaged advertisement sign, 330 x 445 x 6mm, enamelled both sides, background yellow, lettering black with red shading: 'DIABOLO CREAM SEPARATOR' on both sides and '...GENT, in top left hand corner both sides. 3 attachment holes along one short end.	Yes Yes
56	9	Highly corroded bar fragment, both ends broken, 222mm long, rectangular in section 40 x 7mm. Bar fragment 256mm long, rectangular in section 39 x 7mm, tapering to 25 x 16mm. One end broken, the other intact end has been deliberately bent. Large broken bolt, 237mm long, round-sectioned 15mm diam, squared head 32 x 32 x 19mm deep, moderately corroded and bent. Lightly corroded bar fragments/bolts, collared, plus handle and possible machine foot stop.	Yes
165	2	2 intact nails, moderately corroded, 100, 150mm long x 5mm diam, flat circular heads, 10mm diam.	
167	7	Three sections of strapping, all ends broken, moderately corroded, longest 282mm, rectangular in section 62 x 7mm, both broken ends have been bent back on themselves; two shorter sections, 68 and 48mm long, rectangular in section 40 x 5mm.	

Context	No	Includes	Photo
		Hinge? fragment 184mm long, 29 x 7mm at the narrower intact end with perforation, widening to 49 x 7mm at break. Two or three other small fragments are corroded to it. Evidence of burning.	
		Notched bar fragment 278mm long, one end intact and square sectioned 21 x 21mm. Other end is broken across one of 7 trapezoidal points, 41mm high x 22mm wide, along its length.	Yes
		Trapezoidal shaped, notched bar 147mm long x 30mm high x 22-24mm wide, both ends broken. A triangular-sectioned bar fragment 185mm long x 27 x 25mm is corroded into the notch.	Yes
		Fragment of triangular-sectioned bar, 50mm long x 27 x 25mm.	
Total	34		

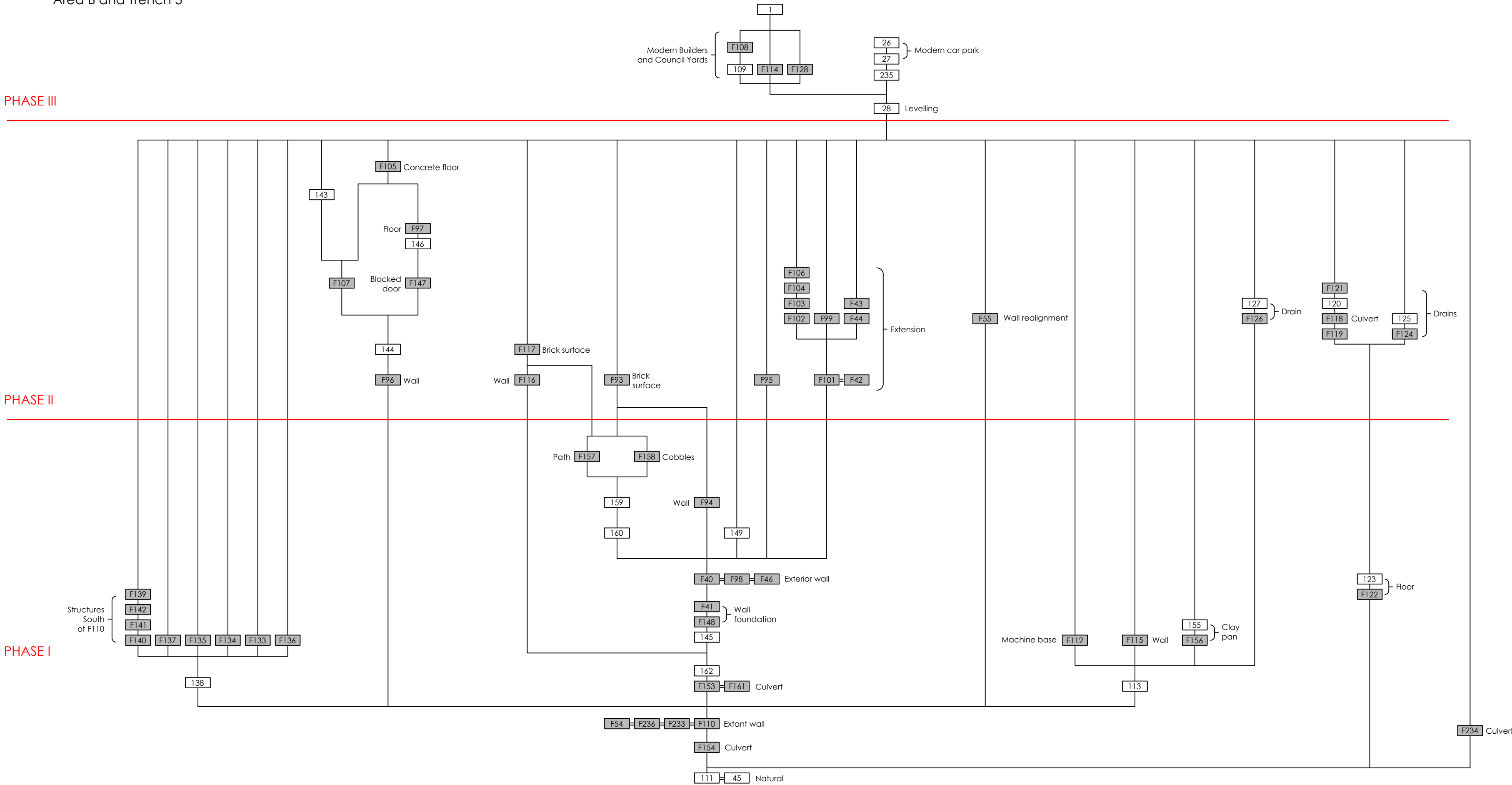
Appendix 2: Stratigraphic matrices



Area A and Trenches 4 and 5



Area B and Trench 3



Appendix 3: Updated Project Design

Project objectives

1. The works will be conducted in fulfilment of the research priorities set out in The North-West England Regional Research Framework (accessed 10/06/25) and its predecessor (2006-7). The specific agenda items this project has the potential to contribute to includes:
 - PM27: How do the industries associated with the North-West evolve and develop during this period?
 - PM30: How do we identify and present the various traditions of pottery production in the NW during the post medieval period?
 - PM33: How can we identify a regional characterisation of kiln structures in the North-West?
 - Ind53: What can archaeology tell us about the production and use of consumer products and their typologies from the late 18th to early 20th centuries?
 - Ind7.37: Late 18th-20th century pottery production

Conservation

2. The spoon/fork handle should be conserved to clearly reveal the decoration and any possible maker's mark. Further study may then possibly be able to identify the pewterer.

Ceramic assemblage

3. A full report should include the following elements:
 - A detailed discussion of the pottery assemblage with reference to the stratigraphic and structural data from the site;
 - A detailed review of the pottery assemblage with reference to Sibson's 2008 monograph to identify further parallels between the assemblage and material previously identified as associated with the Whitehaven Pottery;
 - The identification of material suitable for illustration, including drawings and scanned/photographic images as required to document the range of designs, maker's marks and other features of the assemblage
 - The earthenware vessel fragments from 28 and 167 should be added to the other ceramic material from the site for further study to determine their purpose

Glass

4. The glass should be further studied by a suitable specialist to add to our knowledge of early industrial glassworking in England's northwest.

Artefact illustration

5. Selected pottery sherds will be illustrated.

Artefact photography

6. Selected pottery sherds, glass and iron objects will be photographed for the site archive, selected photographs will be included in the report.

Digitising

7. Selected plans and sections from the site archive will be digitised.

Excavation graphics

8. Phased plans and section drawings will be prepared for the full analysis report.

Report preparation

9. Phased data structure incorporating the results of the evaluation and excavation will be written and integrated with the illustrations.
10. Preparation of report, including collation of specialist reports and illustrations.
11. Integration of specialist reports into data structure.
12. Research into relevant parallels for the data and documentary sources; analysis of the data, conducted in accordance with defined research objectives.
13. A synthesis of the site will be prepared, bringing together all the results of the excavations.
14. The report will be edited by the Project Manager.
15. Full analysis report production.

Dissemination

16. The report will be uploaded with the Archaeology Data Service and become a publicly accessible document.
17. A summary of the results will be prepared and submitted to an appropriate journal.
18. Preparation of text for publication.
19. Reformatting of illustrations for publication.
20. Editing of publication text by the Project Manager.
21. Submission of publication report to the journal editor.

Archive

22. Preparation of the project archive.
23. Deposition of the site archive in the Beacon Museum in Whitehaven.

Programme

24. The works can be completed within 12 months of commission.



Photo 1: Area A, rear of wall F70, looking east



Photo 2: Area A, furnace in wall F70, with brick floor and stone slabs F190, looking west



Photo 3: Area A, the tunnel, F67, F66 and F65, looking east



Photo 4: Area A, tunnel wall F66, looking north



Photo 5: Area A, large stone blocks in tunnel wall F65, looking south-west



Photo 6: Area A, paving F224 north of the tunnel, looking west



Photo 7: Area A, the northern rooms, looking west



Photo 8: Area A, furnace in wall F194, looking east



Photo 9: Area A, curvilinear stone decoration in floor F190, looking east



Photo 10: Area A, wall F193 and the recess in wall F185, looking south



Photo 11: Area A, staircase F188, looking south



Photo 12: Area A, furnace base F198, looking north-west



Photo 13: Area A, structure F184, looking south



Photo 14: Area A, room formed by walls F205 and F209, looking north-west



Photo 15: Area A, structure F210, looking west



Photo 16: Area A, floor F222, looking south



Photo 17: Area A, Phase III floors in the central rooms, looking west



Photo 18: Area A, furnace base F179, looking west



Photo 19: Area A, culverts F164 and F163, looking east



Photo 20: Area B, culvert F154 with the cap removed, looking south



Photo 21: Area B, the east end of wall F110, looking west



Photo 22: Area B, walls F40 and F110 and culvert F153 forming the original pottery building, looking east



Photo 23: Area B, path F157 and cobbles F158, looking west



Photo 24: Area B, machine base F112, looking west