

New Fresh Wharf: preliminary report on the medieval and later pottery including ceramic dating tables

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Introduction

The pottery from the three sites included in the New Fresh Wharf project (NFW74, SM75 and FRE78) was recorded in accordance with current MOLA procedure, using standard codes for fabric, form and decoration (see Appendix 1). Quantification was carried out by sherd count (SC), minimum number of vessels (ENV), weight in grams and estimated vessel equivalents (EVE). The first three measures are routinely used by MOLA ceramic specialists as the basis for assessment and analysis. Estimated vessel equivalents have been recorded as an additional measure for this project, since they were originally included during partial recording by the DUA during the 1970s and 1980s. This will allow closer comparison to be made between pottery from New Fresh Wharf and from other waterfront sites recorded using the same statistical measures. A summary of quantification by period and landuse is given in Appendix 2.

A full database has been created (in Excel) in which all medieval and later (up to 1666) pottery from the three sites is recorded. In addition to fields for fabric, form, decoration and quantification, items that have already been published as illustrations are noted, as well as Item Nos and Corpus Nos. These last two derive from systems formerly used by the DUA for assigning unique numbers to individual ceramic items on the grounds of diagnostic features (such as rims, vessel profiles, decoration). Although record cards were kept for Corpus Nos (CN) and can be consulted in the LAARC, neither system was maintained beyond the mid 1980s. As a part of the current project, all items considered suitable for illustration or comment were given a <P> number, in line with standard MOLA procedure. The full sequence of <P> numbers includes items that have been published (and will not be illustrated again) and items that are to be drawn and/or photographed for the New Fresh Wharf publication. A full list is appended at the end of this report (Appendix 3). The <P> numbers are also included in the text, with items to be illustrated highlighted in **bold**.

A considerable number of fabric type sherds were identified during the initial recording of the pottery from NFW74 and SM75: 426 samples. All sherds in the fabric reference collection were examined and recorded for the current project, and the fabric code and reference number added to the full database.

This report is organised by period and landuse, each including a ceramic dating table based on information provided.

Period M1 (100–1200/20)

Tenement 10

Landuse	Group	Feature	Evidence	Description	Date
SM75	3.2	Silting/embankment 101	MPOT	101 : ANDE SPP; EMCH SPP, CP; EMFL CP; EMS CP; EM SH CP, SPP; EMSS CP; ESUR CP; LCOAR JUG; LCOAR CALC CP; LOND JUG; LSS CP; NORG SPP,	1080-1150

				CP; REDP SPP; THET SPP, JAR	
SM75	3.4	Embankment Tenement 10 49, 55, 95	MPOT	49: LOGR CP; LSS CP; REDP SPP 55: EMCH CP; EMFL CP; EMS CP; EMSH CP; EMSS CP; ESUR CP; THET JAR 95: EMCH CP; EMS CP; EMSS CP; THET JAR	1050-1150 1050-1150 1050-1150
SM75	3.4	Inlet and stairs? 109	MPOT	109: ANDE SPP; EMCH CP; EMS CP; EMSH CP; EMSS CP; ESUR CP; LSS CP; REDP SPP; STAM SPP; THET JAR	1050-1150
SM75	3.5	Infilling of inlet 102 , 146	MPOT	102 : EMSH CP; EMSS CP; LCOAR JUG; LOND JUG; LOND EAS JUG; SSW CP 146: ANDE SPP; BLGR CP; EMSH BOWL, CP; EMSS CP; ESUR CP; LCALC JUG ERND; LCOAR JUG ERND, CP; LOND CP, JUG ERND; LOND EAS JUG; LOND NFR JUG; LOND PELL JUG; LOND ROU JUG; NFM JUG; REDP SPP; SHER CP, BOWL; SSW CP	1140-1220 1170-1240

Table 4 New Fresh Wharf: dating table for Tenement 10 and the inlet on its west side in Period M1

Context SM75 [101] is also recorded as Period M2, 3.6 (for Table 11), although its dating seems more appropriate for Period M1 (c 1080–1150), with most of the pottery in current use during the 11th century. It has therefore been included in Table 4. Context [102] is again recorded in another group, as Period M2, 3.6 (Table 10), but has been included for the present, with a date of c 1140–1220.

If these two contexts are included in Tenement 10 for Period M1 phase 3.2, this gives a total of 556 sherds (280 ENV, 7489g, 4.4 EVE), making this by far the largest assemblage of post-Roman pottery from the New Fresh Wharf sites (see Appendix 1). Context SM75 [101] is a large group of 240 sherds, almost half the total recovered from Tenement 10 features in Period M1. It is dated to c 1080–1150 by sherds from London-type ware jugs and cooking pots (LCOAR, LCOAR CALC and LOND), but includes a wide range of early medieval handmade wares from various sources in the London region and Home Counties, the most common of which is early medieval sand- and shell-tempered ware (EMSS; 1000–1150). Cooking pots are the main forms in all these wares, with some sherds from spouted pitchers and bowls or dishes. Items of note are part of a spouted pitcher with incised decoration in EMSH (<P 1>) and cooking pot rims in the same fabric (<P 2> <P 3>), as well as cooking pots in late Saxon shelly ware (LSS) (<P 4> <P 5>). There are also sherds from non-local wares, imported from the Rhineland (spouted pitchers in REDP and ANDE), France (NORG: <P 6> <P 7>; Vince and Jenner 1991, nos 295, 293) and from East Anglia (THET: <P 8> <P 9>; ibid no. 205).

Pottery from the phase 3.4 embankment on Tenement 10 comes from four contexts, all of which are dated to c 1050–1150. Two are of medium size (ie with between 30 and 100 sherds in each) and they include a similar range of fabrics and forms to those recorded in phase 3.2, although without any London-type wares, hence the earlier TPQ. Part of a storage jar in Thetford-type ware (THET) has the broad bands of applied thumbed strips typical of this industry (<P 10>; Vince and Jenner 1991, no. 170). A similar dating was obtained for the pottery from the stairs, although the infilling of the inlet (phase 3.5) is dated later, with a latest date of c 1170–1240 for context SM75 [146]. This is based on the presence of sherds of south Herts-type greyware (SHER), and jugs in London-type ware decorated in the north French (LOND NFR) and Rouen styles (LOND ROU), all of which are first found in London during the last quarter of the 12th century (Blackmore and Pearce 2010, 00; Pearce et al 1985, 131–2). These are intermixed with sherds from earlier handmade coarsewares, such as part of a bowl in EMSH (<P 11>), but the quantity and range of London-type wares is typical of this period, by which time they had become one of the more common fabrics used across the London area. They include decorated handles from two jugs (<P 12> <P 13>). Other items of note are part of a bowl in SHER FL (<P 14>) and a cooking pot in shelly-sandy ware (SSW <P 15>).

Tenement 11

Landuse	Group	Feature	Evidence	Description	Date
SM75	3.2	Embankment & revetment 37, 51, 85, 103, 108	MPOT	37: EMCH CP; EMS CP; EMSH CP; EMSS CP; ESUR CP; LCOAR CALC CP; LOND JUG; LSS CP, SPP; REDP SPP; SHER CP; SSW CP; THET JAR 51: EMS CP; REDP SPP 85: EMFL CP; EMS DISH, CP 103: EMCH CP; EMFL SPP; EMS CP; EMSS CP; ESUR CP; LSS CP, DISH; REDP SPP; STAM SPP 108: EMS CP; EMSH CP; EMSS CP; LSS DISH, CP; THET JAR	1170-1220 970-1100 970-1100 1050-1150 1050-1150
FRE78	3.4	Building NFWA 620	MPOT	620: EMFL CP; EMSH CP, SPP	1050-1150

Table 5 New Fresh Wharf: dating table for Tenement 11 in Period M1

Overall, 102 sherds of medieval pottery were recorded in contexts associated with Tenement 11 (67 ENV, 2354 g, 4.1 EVE). Most of this comes from the phase 3.2 embankment and revetment (all but three sherds), and was found in five contexts, four of them small (ie fewer than 30 sherds) and one of medium size (SM75 [37]), which is dated to c 1170–1220. This is the latest context in this phase, with sherds of 12th-century SHER, SSW, LOND and LCOAR CALC mixed in with early medieval handmade coarsewares and imports. The remaining contexts span the period c 970–1150, but none includes any fabrics introduced later than c 1050 (ie no London-type wares). Amongst the more notable items is part of a rounded dish in EMS (<P 16>) and several vessels in LSS, including a flared dish (<P 17>) and cooking pots or jars (<P 18> <P 19> <P 20> <P 21> <P 22> <P 23>; Vince and Jenner 1991, nos 4, 2). The rim of a spouted pitcher in Stamford-type ware (STAM) was also

found in the same context (SM75 [103]; <P 24>; *ibid*, no 234). A similar range of fabrics was found in context SM75 [108], including part of a cooking pot in EMSS (<P 25>), and a dish and bowl in LSS (<P 26> <P 27>).

In phase 3.4 (Building NFWA), the only pottery recorded comes from context FRE78 [620], which is dated to c 1050–1150 by three sherds only.

Tenement 12

Landuse	Group	Feature	Evidence	Description	Date
NFW74	3.2	Silting & embankment 45, 48, 59, 89, 106, 108, 124, 128, 129, 199	MPOT	45: ANDE SPP; EMCH CP; EMFL CP; EM SH CP; EMSS CP, NEOT CP; THET CP 48: EMCH CP; EMS CP; EMSH BOWL, SPP; EMSS CP; ESUR CP; LOGR CP; LSS CP; REDP SPP; THET SPP 59: EMCH CP; EM SH CP; EMSS CP; ESUR CP; LOGR CP; NORG SPP; REDP SPP, CP BEAK; STAM SPP; THET CP JAR 89: EM SH CP; EMSS CP; LOGR CP 106: EMCH CP; EMFL CP; EMSS CP; REDP SPP; STAM SPP 108: EMSS CP 124: ANDE SPP; BLGR CP; EMCH CP; EMS CP; EM SH SPP, CP; EMSS CP; ESUR CP; LOND PELL JUG; NFRE SPP; REDP SPP; STAM SPP; THET JAR SPP 128: LSS CP 129: ANDE SPP; EMCH CP; EMFL CP; EMS CP, SPP; EM SH CP, SPP, BOWL; EMSS CP, BOWL; ESUR CP; LOGR SPP; LOND JUG; LOND ROU JUG; LSS CP; NFRY JUG; REDP SPP; SHER CP; THET JAR 199: REDP SPP	1050-80 1050-80 1050-80 1050-1150 1050-1150 1000-1150 1140-1200 900-1050 1170-1200 900-1250

Table 6 New Fresh Wharf: dating table for Tenement 12 in Period M1

A total of 325 sherds (182 ENV, 5417 g, 3.8 EVE) were recovered from 10 contexts on site NFW74, associated with Tenement 12 in Period M1. Context [50] is listed in the Index as both M1, 3.2 and M2, 3.6. It is dated to 1140–1220 and includes ESUR CP; SSW CP. It has not been included in Table 6 at this stage. Two contexts are of medium size ([124] and [48]), and one ([129]) is large (over 100 sherds). The pottery spans the 10th to late 12th centuries, with most fabrics identified in production and use c 1050–1150.

There are sherd-links between contexts [124] and [129], both of which include a small number of sherds that are later than the bulk of the fabrics present. The medium-sized context [124] has one sherd from a LOND PELL jug, which is usually dated c 1140–1220, and the large context [129] has single small sherds from a plain LOND jug, as well part of a jug in LOND ROU, which is dated to c 1170–1280, and a sherd from a cooking pot in SHER, dated to c 1170–1350. Without these few 12th-century or later sherds, each context would be dated to c 1050–80. It is possible that the later sherds are intrusive in each case, although the TPQ assigned in Table 6 is based on their being contemporaneous with deposition and dating the context. There are no pottery fabrics in any of the other contexts that were introduced after c 1050.

Regional handmade coarsewares provided the mainstay of London’s ceramic supply during the 11th century, continuing in production into the mid 12th century. In addition, there are sherds from wares imported from the Continent and East Anglia, with a relatively large number of spouted pitchers throughout the Tenement 12 assemblage at this date. Sherds from pitchers in ANDE includes examples from [45] and [129] (<P 28> <P 29> : Vince and Jenner 1991, no 271), and there are also sherds from spouted pitchers in NORG from northern France, one of them with diamond rouletting: <P 30> <P 31> : ibid nos 294, 296). Connected in function (serving wine) is part of a beaker in REDP from [124] (<P 32>). Part of a spouted pitcher in REDP from the same context has painted decoration (<P 33>) and a pitcher in THET from Norfolk has applied thumbed strips around the body (<P 34>). There are also sherds from pitchers in NFRE, which is less frequently found in London: <P 35> <P 36> (ibid nos 282–3).

A wide range of handmade coarsewares is represented, used chiefly for the production of the jars or cooking pots that provided the everyday ceramic staple. The earliest is LSS (c 900–1050), with EMS introduced c 970 and continuing throughout the 11th century, mainly in the form of cooking pots: <P 37> (Vince and Jenner 1991, no 52), <P 38> (ibid no 50), and <P 39> (ibid no 56). There are also sherds from a jar with thumbed applied strips in EMS (<P 40> ibid no 64) and spouted pitchers (<P 41> ibid no 53). The flinty fabric EMFL was introduced at the same date and finds from Tenement 12 include mainly cooking pots: <P 42> (ibid no 128). EMSS, a shell-tempered variant of EMS, was first used in London c 1000 and remained one of the more common everyday fabrics until the mid 12th century, especially for cooking pots (eg <P 43> ibid no 82). The shell-tempered EMSH is also well represented in Tenement 12 at this date, in a range of forms including bowls (<P 44> <P 45> ibid no 115) and cooking pots: <P 46> (ibid no 104), <P 47> <P 48> (ibid no 111). There are also sherds from spouted pitchers: <P 49> <P 50> <P 51>, with incised decoration (ibid nos 110, 124, drawn in error as two different vessels). Other common fabrics are ESUR (<P 52> ibid no 143; <P 53> ibid no 142) and LOGR (<P 54> ibid no 165; <P 55>, part of a spouted pitcher with rouletted decoration). EMCH is also relatively common in this group, mostly as cooking pots, some of them with thumbed rims: <P 56> (ibid no 134), <P 57> (ibid no 129), <P 58> <P 59> (ibid no 130) and <P 60> (ibid no 135).

Tenement 13

Landuse	Group	Feature	Evidence	Description	Date
FRE78	3.2	Silting 186	MPOT	186: LSS CP; SATH SPP	1000-1150
NFW74	3.4	2nd revetment & dumping 71	MPOT	71: EMSS CP	1000-1150

FRE78	3.4	2nd revetment & dumping 328	MPOT	328 : ESUR CP; LCOAR JUG; LOND EAS JUG ERND; LOND CP; SHER CP; SSW CP	1140-1220
NFW74	3.4	Building NFW 104, 132	MPOT	104: EMCH CP; EMS CP; EMSS CP; THET CP 132: EMCH CP; EMSH CP; ESUR CP; LCOAR JUG; LOGR CP; LSS CP; SHER CP	1050-1150 1170-1200

Table 7 New Fresh Wharf: dating table for Tenement 13 in Period M1

Context [105] from NFW74 is recorded as 3.2 in Tenement 13, as 3.2 in Tenement 14 (Table 8) and as 3.4 (context index). It is dated to 1000–1150 by EMSS CP, but is not included in Table 7 at this stage. Context [348] from FRE78 is also recorded as 3.2 in Tenement 13 or as 4.1 (Table 17), dated to 1240–1350 by LOND HD JUG, which suggests this is a more appropriate place for it to be listed. Context [328] from FRE78 is included in Table 7, but is also recorded as Period M2, 3.6. Its dating is consistent with other pottery from 3.4. On this basis, 90 sherds were recorded from Tenement 13 in M1 (22 ENV, 2371 g, 0.14 EVE).

One context only was recorded in phase 3.2: FRE78 [186], which is dated to c 1000–1150 and includes 67 sherds from a large spouted pitcher in SATH from East Anglia, never a very common fabric in London (<P 61>). In phase 3.4 the latest sherds come from FRE78 [328] (if this is the correct place for the context), dated to c 1140–1220 by the presence of LOND and LCOAR jugs including vessels decorated in the early style with white slip (Pearce et al 1985, 27–8). The latest date for Tenement 13 in Period M1 comes from NFW74 [132], in Building NFW, deposited c 1170–1200, on the basis of sherds from cooking pots in SHER (Blackmore and Pearce 2010, 00). These mid to late 12th-century introductions were found alongside early medieval handmade coarsewares typical of London usage in the 11th and early 12th centuries, including part of a cooking pot in ESUR (<P 62>).

Tenement 14

Landuse	Group	Feature	Evidence	Description	Date
NFW74	3.2	Silting 18 , 77, 105, 115, 123	MPOT	18 : LOND JUG; MG JUG CON; SCAR JUG 77: BLGR CP; EMS CP; EMSS CP; LSS CP; REDP SPP 105: EMSS CP 115: LSS CP, DISH 123: EMSS BOWL	1270-1350 1000-1050 1000-1150 900-1050 1000-1150
NFW74	3.4	Building NFW 61, 62	MPOT	61: EMSS BOWL 62 : ROUE JUG; SAIU JUG; STAM SPP	1000-1150 1250-1300

Table 8 New Fresh Wharf: dating table for Tenement 14 in Period M1

Context NFW74 [18] seems chronologically out of place in Period M1, with a date range of c 1270–1350. The fabrics are closely datable but the context is small, with only four sherds. Context [62] is also later than others in 3.2 or 3.4, dating to c 1250–1300, although one sherd out of the three present

is earlier than the others (STAM, c 1050–1150), so possibly residual. All are imported wares, two from France (SAIU and ROUE) and the earlier STAM vessel from Lincolnshire. The earliest pottery present is LSS (including cooking pot <P 63>), occurring alongside early medieval handmade wares of 11th- to early 12th-century date. Amongst these are EMSS cooking pot <P 64> from [77], and a bowl in the same fabric from [123] (<P 65> Vince and Jenner 1991, no 83).

Period M2 (1200–1350)

Tenement 9

Landuse	Group	Feature	Evidence	Description	Date
SM75	4.1	Dumping layers 91, 99, 163	MPOT	91: CBW CP, JUG; EGS JUG; KING JUG; KING HD JUG; KINGSL JUG; LCOAR JUG; LOND JUG, CP, DISH DRIP; LOND TUL JUG TULBAL; LOND WSD JUG; MG JUG, MG COAR CP; MG WSD JUG; SAIM JUG; SHER CP; SSW CP 99: ANDE SPP; EMSH CP; LCOAR JUG ERND; LOND JUG, DISH DRIP; LOND ROU JUG BAL; MG JUG SQU; MG WSD JUG; MG COAR CP; SCAR JUG ANTH; SSW CP 163: EMSS CP; KING JUG; KING METCOP JUG BAL; KING SBOSS JUG BAL; KINGSL JUG; LOND JUG; LOND EAS JUG; LOND HD JUG; LOND ROU JUG; MG JUG; MG WSD JUG; SCAR JUG ANTH; SHER CP	1270-1350 1270-1350 1270-1350

Table 10 New Fresh Wharf: dating table for dumping on Tenement 9, Period M2

Contexts [99] and [163] have been included in Table 10 for Tenement 9, although they are also listed under Tenement 10 (Table 12); they can be moved when the correct location is confirmed. All contexts currently listed in Table 10 share the same date range. Although context [102] has been listed under Period M2 for Tenement 9, it is also recorded with Period M1, Tenement 10 (Table 4), which seems more appropriate on the basis of dating. Context [91] is listed under Tenement 9 and Tenement 10, Period M2, 4.1; it is included in Table 10 for the present. On this basis, there are 82 sherds recorded in M2 Tenement 9 (60 ENV, 1702 g, 0.5 EVE). All contexts are dated to c 1270–1350 and comprise a range of fabrics and forms typical of this period, with a small number of residual sherds present. The main fabric identified is London-type ware, with sherds from numerous baluster jugs of flared or tulip-necked form (eg Pearce et al 1985, figs 36–7), as well as sherds from jugs with white slip decoration and in the Rouen style. A more unusual vessel is a small (miniature) rounded jug in LOND with grouped thumbing around the base (<P 66>). Mill Green ware is another

key diagnostic fabric for this period and is present as sherds from several jugs, as well as cooking pots (in its coarse variant MG COAR). There are also sherds from highly decorated jugs in KING, introduced into London c 1240, including 47 sherds from a metal copy baluster jug (<P 67>) and 265 sherds from a large baluster jug with shield-shaped stamped boss decoration (<P 68>), as well as from a small number of vessels in CBW, from the Surrey-Hampshire borders, first used in London at the end of the 13th century (Pearce and Vince 1988, 84). Wheelthrown coarsewares are represented by SSW and SHER, mostly cooking pots, and there is one more exotic sherd, part of a knight jug in Scarborough ware (<P 69>). These elaborately decorated jugs were covered with modelled knights on horseback, and the SM75 find consists of part of one such figure, with a tall kite-shaped shield. Scarborough ware is never common in excavated finds from London, and these highly decorative jugs are a particular rarity. The rim of a second jug in SCAR has the remains of anthropomorphic decoration in the form of arms with hands folded across the base of the spout (<P 70>).

Tenement 10

Landuse	Group	Feature	Evidence	Description	Date
SM75	3.6	Dumping layers 62	MPOT	62: ANDE SPP; EGS JUG; EMCH CP; EMFL CP; EMGR CP; EMS CP; EMSH CP; EMSS CP; ESUR CP; KING BOWL, JUG; KING HD JUG; KING METCOP JUG BAL; KINGSL JUG; LCALC JUG; LCOAR JUG; LMHG JUG BAL; LOGR CP; LOND JUG, CP, FINI; LOND FLAR JUG FLBAL; LOND HD JUG; LOND TUL JUG TULBAL; MG JUG; REDP SPP, BEAK; SAIM JUG RND; SAIN MISC; SHER CP; SSW CP; STAM SPP; THET JAR	1340-1400
FRE78	3.6	Dumping layers 589, 590	MPOT	589: LOND JUG BAL 590: SAIM JUG	1240-1350 1250-1400
SM75	4.1	Dumping layers 4	MPOT	4: BLGR CP; EMFL CP; EMS CP; EMSH CP; EMSS CP; ESUR CP, SPP; KING JUG, JAR; LMHG JUG BAL, CP; LOND JUG BAL, DISH DRIP; LOND FLAR JUG FLBAL; LOND NFR JUG; LOND TUL JUG TULBAL; LSS CP; MG JUG; MG COAR CP; PMAR MISC (INTRUSIVE); REDP SPP; SHER JUG; SSW CP; STAM SPP	1340-1400
FRE78	4.1	Dumping layers 583, 584, 608	MPOT	583: LOND JUG; MG JUG; SHER CP 584: MG JUG 608: LOND JUG BAL	1270-1350 1270-1350 1240-1350

Table 11 New Fresh Wharf: dating table for dumping on Tenement 10 in Period M2

Context SM75 [101] is listed in Period M1, 3.2 for Tenement 10 and in M2, 3.6, but has been included with the former in Table 4 as more appropriate on the basis of dating. However, the pottery from all larger contexts included in Table 11 under Period M2 is very mixed chronologically, with numerous residual sherds present in the dumped material. Context SM75 [589] is recorded in the index under both 3.6 and 4.1 for Tenement 10 in Period M2; it has been included in Table 11 as part of 4.1 for the present. Context SM75 [91] is listed as Tenement 9 and 10 for Period M2, 4.1 and has been included in Table 10. With the status of these contexts still to be resolved, there are 225 sherds associated with Tenement 10 in M2 (168 ENV, 5414 g, 2.94 EVE).

A latest date of c 1340–1400 is given to group 3.6 by context SM75 [62], which is chronologically very mixed, almost to the extent of appearing to be two different contexts, dated to the 11th to early 12th century and the late 13th to 14th century. The later dumping episode presumably disturbed earlier dumping in this area to produce such a diverse range of fabrics. A large quantity of EMSS dates to c 1000–1150, and consists mostly of cooking pots (eg <P 71>, Vince and Jenner 1991, no 74), found together with EMSH, ESUR, EMS, EMFL and other early medieval handmade wares. The context's late dating comes from part of a baluster jug in LMHG (<P 72>), from Hertfordshire, decorated with raspberry stamped bosses (cf Jenner and Vince 1983, figs 1–2). This jug is later than any other pottery in the context, and there is no CBW, which was very common by the mid 14th century. It may be that it is intrusive, although the two joining sherds weigh 361 g, which makes this less likely. It is also possible that LMHG was introduced into London earlier than had previously been thought, although more examples from securely dated contexts would be needed to confirm this. Apart from the early medieval wares, the main fabrics recorded are LOND, KING, MG and SHER, all of which would have been in contemporary use c 1270–1350. There is also part of a rounded jug in SAIM, imported from the Saintonge in south-west France from the end of the 13th century (<P 73>). The two other contexts in group 3.6 are dated to the mid 13th to mid/late 14th century but have only one sherd in each.

In group 4.1 the latest pottery comes from context SM75 [4], which is dated to c 1340–1400 and is again very chronologically mixed, with a similar range of fabrics to those found in context [62]. The mid 14th-century date is based on five sherds of LMHG, from two cooking pots and a baluster jug, but in the absence of CBW and any other wares typical of this period, the possibility of an earlier introduction remains open. Other contexts in group 4.1 are dated mostly to c 1270–1350 by LOND, MG and SHER.

Buildings NFWF and NFWG

Landuse	Group	Feature	Evidence	Description	Date
SM75		Bdgs NFWF & NFWG 2, 65, 100	MPOT	2: KING JUG; LOND JUG BAL; LOND NFR JUG 65: KING JUG; LOND JUG BAL; MG JUG; STGW BOWL (INTRUSIVE?) 100: EMSS CP; ESUR CP; LCOAR BOWL, JUG; LOND JUG BAL; LOND ROU JUG; SHER JAR; SSW CP	1240-1350 1270-1400 1170-1240

FRE78		Bdgs NFWF & NFWG 591, 625	MPOT	591: KING METCOP JUG BAL 625: LOND JUG BAL; CBW CP	1270-1350 1270-1500
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Table 12 New Fresh Wharf: dating table for Buildings NFWF and NFWG [gp 2] in Period M2

Pottery from contexts SM75 [99] and [163] is listed under finds for Tables 10 and 12, and has been included with the former at this stage. A single sherd of STGW from context [65] probably dates after c 1480 so may be intrusive. As presented in Table 12, there are 29 sherds from Buildings NFWF and NFWG in Period M2. The dates span the 11th to late 13th/14th centuries and all contexts are small so more difficult to date closely. The earliest material comes from context SM75 [100], which dates to c 1170–1240 and includes early medieval handmade wares as well as LOND, SHER and SSW. The latest pottery was recovered from contexts SM75 [65] and FRE78 [591] and [625], and dates to c 1270–1350, based on the presence of MG, LOND tulip-necked or flared baluster jugs, CBW and a KING metal copy baluster jug.

Tenement 11

Landuse	Group	Feature	Evidence	Description	Date
FRE78	3.6	Dumping layers 544, 564	MPOT	544: LCOAR CALC CP; LOND NFR JUG; LOND ROU JUG BAL 564: LOND PELL JUG	1180–1270 1140-1220
FRE78	4.1	Dumping layers 580	MPOT	580: LOND JUG; LOND HD JUG; LOND NFR JUG; LOND TUL JUG TULBAL	1270-1350

Table 13 New Fresh Wharf: dating table for dumping on Tenement 11 in Period M2

A total of 10 sherds (9 ENV, 285 g, 0.09 EVE) were recovered from dumping layers associated with Tenement 11. Group 3.6 is dated at the latest to c 1180–1270 by sherds from jugs in LOND NFR and LOND ROU in SM75 [544], with a LOND PELL in SM75 [564], dating to the late 12th century. In group 4.1 sherds from a tulip-necked baluster jug in LOND, as well as other LOND jugs date to c 1270–1350.

Building NFWK

Landuse	Group	Feature	Evidence	Description	Date
FRE78		Building NFWK 550	MPOT	550: KING WSBOSJ JUG; MISC JUG; KING JUG BAL	1340-1400

Table 14 New Fresh Wharf: dating table for Building NFWK [gp 4] in Period M2

A small collection of sherds was recovered from Building NFWK (6 sherds, 3 ENV, 164 g, 0.42 EVE). These are dated to c 1340–1400 by part of a jug in KING with stamped boss decoration in the form of wheatears.

Tenement 12

Landuse	Group	Feature	Evidence	Description	Date
FRE78		Dumping layers 164	MPOT	164: ANDE SPP; EMSH CP; EMSS CP; LCOAR JUG; SSW CP	1140-1220

Table 15 New Fresh Wharf: dating table for dumping on Tenement 12 [gp 5] in Period M2

Six sherds of pottery were recovered in context FRE78 [164], dated to c 1140–1220 by part of a cooking pot in SSW, found with early medieval handmade wares and LCOAR.

Building NFWL

Landuse	Group	Feature	Evidence	Description	Date
NFW74	3.6	Building NFWL 131	MPOT	131: ANDE PTCH; LOND JUG; LOND EAS JUG; LOND PELL JUG; SSW CP	1140-1220
FRE78		Building NFWL 8	MPOT	8: LOND FLAR JUG FLBAL	1240-1350

Table 16 New Fresh Wharf: dating table for Building NFWL [gp 6] in Period M2

A total of 13 sherds were found in contexts associated with Building NFWL in Period M2 (9 ENV, 139 g, 0.15 EVE). In group 3.6 context NFW74 [131] is dated to c 1140–1220 by sherds from jugs with pellet decoration and white slip decoration in LOND and part of a cooking pot in SSW. Context FRE78 [8] is slightly later, dated to c 1240–1350 by part of a flared baluster jug in LOND.

Tenement 13

Landuse	Group	Feature	Evidence	Description	Date
NFW74	3.6	Dumping layers 49, 50, 53, 69, 72, 83, 86	MPOT	49: EMSS CP; SSW CP	1140-1220
				50: ESUR CP; SSW CP	1140-1220
				53: LOND JUG ERND, JUG BAL; SSW CP	1140-1220
				69: ANDE SPP; EMCH CP; EMSS CP; ESUR CP; LOND JUG; LSS CP; REDP SPP	1140-1200
				72: EMFL CP; LOND NFR JUG; LSS CP; SSW CP	1180-1270
				83: EMS CP; EMSS CP, JAR ST; ESUR CP; KING JUG; LOGR CP; LOND JUG; LOND PELL JUG; SHER CP	1240-1300
FRE78	4.1	Dumping layers 348	MPOT	86: ANDE SPP; LOND JUG 348: ANDE SPP; LOND JUG; LOND HD JUG	1140-1200 1240-1350

Table 17 New Fresh Wharf: dating table for dumping on Tenement 13 [gp 7] in Period M2

Context NFW74 [50] is listed under Period M1, group 3.2 (Table 6) as well as in Period M2, group 3.6. It has been included in Table 17 for Period M2, although on the basis of date it could be listed in either table, since much of the pottery grouped together here is residual in this period. Context FRE78 [328] is also listed under Period 2, group 3.6 as well as under Period 1, group 3.4. It has been included in Table 7, although it could be moved to Table 17 if this is more appropriate. This leaves a total of 48 sherds (37 ENV, 683 g, 0.53 EVE). Most pottery comes from group 3.6 dumping layers and dates mostly to c 1140–1200/20, with [72] slightly later on the basis of LOND NFR and SSW; this includes part of a flared bowl with stabbed rim in SSW from [49] (<P 74>), and [83] the latest, dated to c 1240–1300 by the presence of KING, alongside LOND, SHER and residual early medieval coarsewares. Group 4.1 is dated by a small amount of pottery in context FRE78 [348] to c 1240–1350 by sherds of LOND, including part of a highly decorated jug.

Tenement 14

Landuse	Group	Feature	Evidence	Description	Date
NFW74	3.6	Dumping layers 85, 88, 92, 95	MPOT	85: LCOAR JUG 88: EMS CP; EMSH CP; LOND PELL JUG 92: EMCH CP; LCOAR JUG; LOND JUG ERND, JUG; SHER CP, JUG; SHER FL CP, JUG; SSW CP 95: LOND JUG ERND	1080-1200 1140-1220 1170-1220 1140-1200
NFW74	4.1	Dumping layers 75, 81, 118	MPOT	75: SHER CP; SSW CP; STAM SPRINK 81: LOND TUL JUG TULBAL 118: LOND JUG CON; LOND TUL JUG TULBAL	1170-1220 1270-1350 1270-1350

Table 18 New Fresh Wharf: dating table for dumping on Tenement 14 [gp 8] in Period M2

A total of 69 sherds (35 ENV, 1381 g, 1.06 EVE) were recovered from dumping layers on Tenement 14. For the most part, pottery in group 3.6 dates to the 11th to 12th centuries, with the latest material (SHER, SSW) coming from context [92], which is dated to c 1170–1220. This includes part of a flared dish in EMS from [88] (<P 75>) and a cooking pot in SSW from [92] (<P 76>). Pottery from group 4.1 is dated at the latest to c 1270–1350 by sherds from tulip-necked baluster jugs in LOND.

Period M3 (and P1) (1350–1666)

Building NFWK

Landuse	Group	Feature	Evidence	Description	Date
FRE78		Building NFWK 628	PPOT	628: TGW D DISH LOB	1630-1680

Table 22 New Fresh Wharf: dating table for Building NFWK [gp 11] in Period M3 (P1)

One sherd of pottery was found in context FRE78 [628], part of a lobed dish in London tin-glazed ware with blue-painted decoration typical of the mid 17th century (TGW D).

Building NFWL

Landuse	Group	Feature	Evidence	Description	Date
NFW74		Building NFWL 138	MPOT	138: LOND NFR JUG BAL	1180-1270

Table 6(?) New Fresh Wharf: dating table for Building NFWL 4.3–4.8 [gp 12] in Period M3

One sherd of medieval pottery was found in context NFW74 [138], part of a baluster jug in LOND NFR dating to c 1180–1270.

Building NFWH

Landuse	Group	Feature	Evidence	Description	Date
NFW74	4.1	Building NFWH 33	MPOT	33: LCOAR JUG; LOND JUG; SSW DISH FLAR, CP	1140-1220
NFW74	4.2	Building NFWH 36, 65	MPOT	36: LOND JUG; JUG BAL; SCAR JUG; SHER CP 65: BLGR CP; EMSS CP; SSW CP	1200-1350 1140-1220
NFW74	4.3	Building NFWH 9, 32, 47	MPOT	9: CBW JUG RBD; CHEA JUG, JUG RND; LOND TUL JUG TULBAL; MG COAR JUG 32: KING JUG; LOND JUG; LOND TUL JUG TULBAL; MG JUG, JUG CON 47: CHEA DJ BICON; EMS SPP; EMSH CP; ESUR CP; KING JUG, CP; LOND NFR JUG; REDP SPP; SSW CP	1350-1500 1270-1350 1350-1450
NFW74	4.4	Building NFWH 4, 7, 8, 11, 24, 44	MPOT	4: CBW JUG RNBG; CHEA JUG; KING JUG BAL 7: CBW JUG RND, DJ BICON; SCAR JUG 8: CBW JUG RND; CHEA DJ BICON; KING DJ BICON 11: LMHG JUG; SCAR JUG 24: KING SB JUG; MG JUG, JUG SQU; SHER CP 44: CBW JUG RNBG, BOWL, JUG, CP; KING CP, JUG, JUG BICON; LOND JUG	1350-1500 1350-1500 1350-1500 1350-1450 1270-1350 1350-1500
NFW74	4.6	Building	PPOT	55: BORDG TPIP3; BORDY	1580-1600

		NFWH 55	(MPOT)	PORR, DISH FLNG, TPIP3; FREC JUG; PMRE CAUL, CAULPIP, FLP; PMSRG CAULPIP, CHP, BOWLDISH; PMSRY CAULPIP 55 (residual MPOT): EMSS CP	(1000-1150)
NFW74	4.7	Building NFWH 54, 107	PPOT (MPOT)	54: BORDY TPIP3; TGW A DISH 107: BORDG TPIP; TGW D JAR CYL 107 (residual MPOT): EMS CP; EMSS CP; LOGR MISC	1570-1650 1630-1680 (1050-1150)
NFW74	4.8	Building NFWH 1, 2, 41	PPOT	1: BORDY PORR; BORDO CHP; BORDY TPIP, BOWLDISH, DISH FLNG, PORR; PMR MISC 2: BORDB CUP CAUD; PMFR CHP 41 : NISG DISH; PMR JAR SHL	1580-1700 1580-1700 1580-1700
NFW74		Building NFWH 6, 38, 52, 195	MPOT PPOT	6: MG JUG CON 38: ESMH CP, LCOAR JUGPTCH, JUG; LOND JUG; LSS CP; SSW CP 38 (PPOT): PMR JAR 52: CBW BOWLDISH, DISH FLAR; EMSS CP; SAIM JUG BAL; SIEG DJ 195: EMS CP; LSS CP	1270-1350 1200-1350 1580-1700 1350-1500 970-1050
FRE78		Building NFWH 397, 453, 454, 651	MPOT PPOT	397: LOND TUL JUG TULBAL 453: LOND JUG; LOND WSD JUG 454 : EMSS CP 651 : FREC JUG	1270-1350 1240-1350 1000-1150 1550-1700

Table 12(?) *New Fresh Wharf: dating table for Building NFWH, 4.2–4.8 [gp 13] in Period M3 (P1)*

Context NFW74 [41] has sherd links with contexts [39] and [40], which are listed with Building NFWJ in Table 15. FRE78 contexts [454] and [651] are listed under M3 (P1) but given in the NFW context index as Roman features; they can be removed from Table 12(?) if this is confirmed. As it stands there are 427 sherds recorded from contexts associated with Building NFWH at this period (140 ENV, 9000 g, 13.3 EVE). Group 4.1 has only seven sherds and is dated to the late 12th century by LCOAR, LOND and SSW. In group 4.2 there is a mix of 11th/12th-century and later pottery, with a latest date of c1200–1350 for context [36], based on LOND and part of a cooking pot in SHER (<P 77>), as well as sherds from a jug in SCAR with applied vertical strips.

Group 4.3 includes the large context [32] and medium-sized [47], and dates mostly to the late 13th to 15th century, with a latest date of c 1350–1500. A large sherds from jugs in LOND were recorded in [32] and [47], including 82 sherds from a tulip-necked baluster jug, with MG, KING, CBW and CHEA also present, the last of these as rounded jugs and a complete biconical drinking jug (25 sherds: <P 78>). Pottery from group 4.4 dates to the same period for the most part, with the usual range of LOND and Surrey whitewares represented, including another near-complete CHEA

drinking jug (<P 79>). There is also part of a large rounded or bunghole jug in CBW with the broad strap handle, stabbed and incised, that is characteristic of this form (<P 80>). Although there is another sherd from a jug in SCAR, there are no continental imports present in this group. However, part of a rounded jug in SAIM from context [52] (7 sherds) falls into the same date range, even though it has not been assigned to any one group in Building NFWH (<P 81>).

There is a small amount of residual medieval pottery present in group 4.6 (context [55]), but the latest date of c 1580–1600 is based on fabrics and forms that are typical of late 16th-century usage in London. These consist mostly of Surrey-Hampshire border wares and London area redwares (PMRE) as well as their slipped variant, PMSR, with 10 sherds from a chamber pot in PMSRG recorded in context [55] (<P 82>). Group 4.7 consists mostly of medieval pottery dated to c 1050–1150, apparently residual in 16th/17th-century material. The latest date comes from part of a cylindrical jar in TGW D (c 1630–80) from context [54]. Group 4.8 is broadly dated to c 1580–1700 and yielded mostly border wares, including part of a caudle cup in BORDB (<P 83>) and London-area redwares, as well as a sherd from a dish in NISG, imported from northern Italy.

Building NFWJ

Landuse	Group	Feature	Evidence	Description	Date
NFW74	4.5	Building NFWJ 63, 73, 76, 121, 122	MPOT PPOT	63: LOND JUG 73: CBW CUP; CHEA DJ BICON; LOND JUG; MG JUG; MG COAR JUG 73 (PPOT): RBOR BOWLDISH 76: BORDY MISC 76 (MPOT): EMSS CP 121: PMFR JAR CYL; PMR MISC; PMRE CAUL, JUG; RBOR TPIP3 122: MPUR BUTP; PMRE CAULPIP; PMSRG CAULPIP	1140-1350 1350-1500 1580-1630 1550-1700 (1000-1150) 1580-1630 1480-1700
NFW74	4.6	Building NFWJ 74	PPOT (MPOT)	74: MART 1 FLAS; MART 2 FLAS; MART 3 FLAS 74 (residual MPOT): ESUR CP	1600-1650 (1050-1150)
NFW74	4.7	Building NFWJ 58, 68	PPOT	58: BORDB MUG; BORDY MISC; FREC JUG, JUG BART 68: BORDY TPIP; FREC JUG; KOLS JUG; MART 1 FLAS; MART 2 FLAS; MART 3 FLAS	1580-1700 1600-1650
NFW74	4.8	Building NFWJ 39, 40	PPOT	39 : FREC JUG; PMR JAR, JAR BUNG 40 : PMR JAR SHL; TGW C MISC	1580-1700 1630-1680
NFW74		Building NFWJ 17	MPOT	17: LOND JUG	1170-1350
FRE78		Building NFWJ 640, 511	MPOT PPOT	640: DUTR FRYP 511 : BORDB BOWL FLAR; BORDG BOWLDISH, CHP,	1300-1500 1612-1630

				COL, DISH FLNG, DJ RND, PORR, SKIL; BORDO TPIP1; BORDY BOWL CARN, CUP, DISH FLNG, PORR, SALT PED, SKIL, TPIP1; DUTR CAULPIP, CHAF; FREC JUG BART, JUG RND; PMBL MUG BAR; PMFR BOWL DFRL, CHP, DISH FLNG, JAR CYL, JUG, TPIP; PMFRB MUG CYL; PMR CAUL, TPIP; PMSRG CAUL, CHP; POTG DISH; TGW A DISH; VALL BOWL HAND, BOWL; WERR BOWL RND	
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Table 15(?) *New Fresh Wharf: dating table for Building NFWJ, 4.5–4.8 [gp 14] in Period M3 (P1)*

Contexts NFW74 [39] and [40] have sherd links with context [41], listed in Table 12(?). The status of context FRE78 [511] is uncertain since it is listed as part of the Roman quay. The ceramic assemblage is of great interest and closely datable to the early 17th century so has been included in Table 15(?) until a more suitable place can be found for it. With [511] included, there are 384 sherds from contexts associated with Building NFWJ (52 ENV, 6776 g, 1.84 EVE).

Group 4.5 includes residual medieval sherds in contexts [63], [76] and [73], although the latest date comes from context [121], which is dated to c 1580–1630 by the presence of PMFR, found together with Surrey-Hampshire border wares and London-area redwares. Amongst these are sherds from a flanged dish in BORDG with combed wavy decoration (<P 84>, Pearce 1992, fig 20, no 25) and a tripod pipkin in RBOR (<P 85>). In group 4.6, dated to c 1600–50, there are 39 sherds from five flasks in Martincamp-type ware (MART1, MART 2 and MART 3), imported from Normandy and used as containers for wine. There are also 222 sherds from MART flasks in the same three fabric variants in group 4.7 (context [68]), as well as sherds from jugs in FREC and KOLS from the Rhineland (21 sherds), making these two groups heavily weighted towards Continental imports.

A latest date of c 1630–80 is given to group 4.8 on the basis of TGW C in context [40]. There are also 37 sherds from a large shouldered jar with thumbled neck in PMR from [39] (<P 86>). Three other contexts are recorded as coming from Building NFWJ at this period, but with no group numbers. Pottery from context NFW74 [17] and FRE78 [640] is residual, while context FRE78 [511] is dated to c 1612–30. This is a significant assemblage of early 17th-century pottery consisting of 92 sherds from a minimum of 63 vessels. Many of the sherds are large and many join to form complete vessel profiles. There is a high proportion of Surrey-Hampshire border wares in a wide range of forms, made chiefly in the whiteware fabric with green or clear (yellow) glaze. There is also a smaller quantity of red border ware, which remained of secondary importance to whitewares throughout the 17th century. A very wide range of forms was recorded, a marked characteristic of the border industry, which was one of the most diverse in south-east England in its output. Kitchen and serving wares include carinated bowls (<P 87> <P 88> Pearce 1992, nos 80, 84), flared bowls (<P 89> <P 90> ibid, nos 59, 77), a colander (<P 91> ibid no. 451) and flanged dishes (<P 92> <P 93> <P 94> ibid nos 2, 12, 42). There are also sherds from porringers (<P 95> ibid no. 125), a pedestal salt (<P 96> ibid no. 397) and a skillet (<P 97> ibid no. 179). A similar range of functions was served by the fine redware industry centred on Harlow in Essex, which supplied London c 1580–1700. There are sherds from jugs, a flanged dish (<P 98>) and tripod pipkin, glazed inside and out (<P 99>), in PMFR, and, from the same source, in black-glazed redware (PMBL), including a near-

complete barrel-shaped mug (<P 100>). Heavy duty earthenwares for kitchen and storage use were largely supplied by the London-area redware industry, with kilns known at Woolwich and other centres. There are sherds from several tripod pipkins and cauldrons in PMR (<P 101>), and from cauldrons and a chamber pot in PMSRG.

More decorative wares were also recovered from context [511]. There are sherds from five dishes in delftware (TGW A), decorated in styles typical of the early 17th century. One has polychrome painting and the others are blue and white, including three dishes decorated with a chequerboard design that was derived from Low Countries sources (<P 102>). All delftware recovered is typical of the output of the Pickleherring pothouse in Southwark, made during the second two decades of the century. Part of a dish in Portuguese faience (POTG) has blue-painted armorial decoration (<P 103>). There are also sherds from two small handled bowls in late Valencian lustreware (VALL: <P 104> <P 105>). At a more mundane level, there are sherds from Dutch red earthenware vessels for kitchen use, amongst them part of a cauldron or pipkin (<P 106>) and a chafing dish (<P 107>), which is a much less common find in this fabric in London. Other imports come mainly from the Rhineland, with sherds from six Bartmann jugs in Frechen stoneware (FREC), including the complete upper body of one with facemask (<P 108>). Part of a rounded bowl in Werra slipware (<P 109>) was also recorded.

Queries: unassigned contexts

A number of contexts from all three sites included in the project are as yet unassigned to any of the dating tables. These are presented below in tables ordered by phase where possible and can be reassigned as necessary. The contexts can be assigned to existing dating tables once their status is confirmed.

Landuse	Group	Feature	Evidence	Description	Date
SM75	3.2	104, 113, 159, 164, 175	MPOT	104: EMCH CP; EMSS CP; LSS CP 113:EMS CP; LSS CP; REDP MISC 159: EMFL CP 164: LOGR CP; LSS CP; STAM SPP 175: EMS CP; LSS CP	1050-1150 900-1200 970-1100 1050-1100 970-1100
SM75	3.3	192	MPOT	192: ANDE SPP; EMCH CP; EMS CP; EMSH CP; EMSS CP, BOWL; ESUR CP; LOGR CP; REDP SPP, MISC; SSW CP; STAM SPP; THET JAR ST	1050-1080
NFW74	3.4	60, 99	MPOT	60: LOND WSD JUG BAL 99: EMCH SPP, CP; EMS CP; EMSS CP	1240-1350 1050-1150
SM75	3.4	157	MPOT	157: EMS CP	970-1100
NFW74	3.5	57, 84, 97	MPOT	57: EMSS CP; LOND JUG; SSW CP 84: EMCH MISC; EMS CP; KING JUG; LOND JUG ERND, JUG; LSS CP; REDP SPP; SSW CP; THET JAR ST 97: EMCH CP; EMSS CP;	1140-1220 1240-1300 1050-1150

				REDP SPP	
FRE78	3.5	199	MPOT	199: EMSS CP	1000-1150

Table 00 New Fresh Wharf: dating table for unassigned contexts in Period M1

Landuse	Group	Feature	Evidence	Description	Date
NFW74	4.8	22	MPOT	22: MG JUG CON; SCAR JUG	1270-1350
FRE78		Building NFWJ 599	PPOT	599: RAER DJ	1480-1610

Table 00 New Fresh Wharf: dating table for unassigned contexts in Period M3

Landuse	Group	Feature	Evidence	Description	Date
NFW74		25	MPOT	25: LOND FLAR JUG FLBAL	1240-1350
FRE78		28	MPOT	28: CBW BOWL	1350-1500
NFW74		31	MPOT	31: LSS CP	900-1050
SM75		36	MPOT	36 (MPOT): ANDE SPP; EMGR CP; EMSH CP; EMSS CP; LCOAR CP; LOGR CP; LOND JUG, JUG BAL; LSS CP	1240-1350
			PPOT	36 (PPOT): BORDY CHP, TPIP1; EBORD CUP; PMFR JAR STR, CHP	1580-1700
SM75		78	MPOT	78: ANDE SPP	1050-1200
SM75		89	MPOT	89: EMSS CP	1000-1150
NFW74		133	MPOT	133: NFM JUG	1170-1300
FRE78		189	MPOT	189: LSS CP	900-1050
FRE78		349	PPOT	349: RAER DJ	1480-1610

Table 00 New Fresh Wharf: unassigned contexts, period uncertain

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Appendix 1: MOLA fabric and form codes

Per	Code	Expansion	ED	LD
M	ANDE	Andenne-type ware	1050	1200
M	BLGR	blue-grey ware	1000	1200
M	CBW	coarse Surrey-Hampshire border ware	1270	1500
M	CHEA	Cheam whiteware	1350	1500
M	DUTR	Dutch red earthenware	1300	1500
M	EGS	early German stoneware	1250	1300
M	EMCH	early medieval chalk-tempered ware	1050	1150
M	EMFL	early medieval flint-tempered ware	970	1100
M	EMGR	early medieval grog-tempered ware	1050	1150
M	EMS	early medieval sandy ware	970	1100
M	EMSH	early medieval shell-tempered ware	1050	1150
M	EMSS	early medieval sand- and shell-tempered ware	1000	1150
M	ESUR	early Surrey ware	1050	1150
M	KING	Kingston-type ware	1240	1400
M	KING HD	Kingston-type ware in the highly decorated style	1240	1300
M	KING			
M	METCOP	Kingston-type ware metal copy jug	1270	1350
M	KING SBOSS	Kingston-type ware stamped boss decoration	1270	1350
M	KING			
M	WSBOSS	Kingston-type ware wheat ear-stamped boss decoration	1340	1400
M	KINGSL	Kingston-type slipware	1250	1400
M	LCALC	calcareous London-type ware	1080	1200
M	LCOAR	coarse London-type ware	1080	1200
M	LCOAR CALC	coarse London-type ware with calcareous inclusions	1080	1200
M	LMHG	late medieval Hertfordshire glazed ware	1340	1450
M	LOGR	London-area greyware	1050	1170
M	LOND	London-type ware	1080	1350
M	LOND EAS	London-type ware with early-style decoration	1140	1200
M	LOND FLAR	London-type ware flared baluster jug	1240	1350
M	LOND HD	London-type ware in the highly decorated style	1240	1350
M	LOND NFR	London-type ware with north French-style decoration	1180	1270
M	LOND PELL	London-type ware with pellet decoration	1140	1220
M	LOND ROU	London-type ware with Rouen-style decoration	1180	1270
M	LOND TUL	London-type ware tulip-necked baluster jug	1270	1350
M	LOND WSD	London-type ware with white slip decoration	1240	1350
M	LSS	Late Saxon shelly ware	900	1050
M	MG	Mill Green ware	1270	1350
M	MG COAR	Mill Green coarseware	1270	1400
M	MG WSD	Mill Green ware with white slip decoration	1290	1350
M	MISC	miscellaneous unsourced medieval pottery	900	1500
M	NEOT	St Neots ware	970	1100
M	NFM	north French, monochrome ware	1170	1300
M	NFRE	north French, unglazed ware	900	1200
M	NFRY	north French, yellow-glazed ware	900	1200
M	NORG	Normandy glazed ware	1050	1250
M	REDP	red-painted ware	900	1250
M	REDP BUF	red-painted ware with buff fabric	900	1250
M	REDP OLV	red-painted ware with olive fabric	900	1250
M	ROUE	early Rouen ware	1170	1300
M	SAIM	Saintonge ware with mottled green glaze	1250	1650
M	SAIN	Saintonge ware	1250	1500

M	SAIU	unglazed Saintonge ware	1250	1650
M	SATH	sandy Thetford-type ware	1000	1150
M	SCAR	Scarborough ware	1200	1350
M	SEMS	south Essex, shell-tempered ware	1100	1300
M	SHER	south Hertfordshire-type greyware	1170	1350
M	SHER FL	south Hertfordshire-type flint-tempered greyware	1170	1350
M	SIEG	Siegburg stoneware	1300	1500
M	SSW	shelly-sandy ware	1140	1220
M	STAM	Stamford-type ware	1050	1150
M	THET	Ipswich-/Thetford-type ware	900	1100
PM	BORDB	Surrey-Hampshire border whiteware with brown glaze	1600	1700
PM	BORDG	Surrey-Hampshire border whiteware with green glaze	1550	1700
PM	BORDO	Surrey-Hampshire border whiteware with olive glaze	1550	1700
PM	BORDY	Surrey-Hampshire border whiteware with yellow glaze	1550	1700
PM	CHPO BW	Chinese blue and white porcelain	1590	1900
PM	DUTR	Dutch red earthenware	1480	1650
PM	EBORD	early Surrey-Hampshire border whiteware	1480	1550
PM	ENGS	English stoneware	1700	1900
PM	FREC	Frechen stoneware	1550	1700
PM	KOLS	Cologne stoneware	1500	1580
PM	LONS	London stoneware	1670	1926
PM	MART1	Martincamp-type ware type I flask (buff earthenware)	1480	1550
PM	MART2	Martincamp-type ware type II flask (dark brown stoneware)	1500	1600
PM	MART3	Martincamp-type ware type III flask (red earthenware)	1600	1650
PM	MPUR	Midlands purple ware	1480	1750
PM	NISG	north Italian (Pisa) sgraffito redware	1550	1700
PM	PMBL	Essex post-medieval black-glazed redware	1580	1700
PM	PMFR	Essex post-medieval fine redware	1580	1700
PM	PMFRB	Essex post-medieval fine redware with brown glaze	1580	1700
PM	PMR	London-area post-medieval redware	1580	1900
PM	PMRE	London-area early post-medieval redware	1480	1600
PM	PMSRG	London-area post-medieval slipped redware with green glaze	1480	1650
PM	PMSRY	London-area post-medieval slipped redware with clear (yellow) glaze	1480	1650
PM	POTG	Portuguese faience	1600	1700
PM	RAER	Raeren stoneware	1480	1610
PM	RBOR	Surrey-Hampshire border redware	1550	1900
PM	TGW A	tin-glazed ware with external lead glaze (Orton style A)	1570	1650
PM	TGW C	tin-glazed ware with plain white glaze (Orton style C)	1630	1846
PM	TGW D	tin-glazed ware with external lead glaze/polychrome painted (Orton style D)	1630	1680
PM	VALL	late Valencian lustreware	1480	1600
PM	WERR	Werra slipware	1580	1650

Appendix 2: quantification by period and landuse

Table	Period	Feature	SC	% SC	ENV	% ENV	Wt	% Wt	EVE	% EVE
4	M1	Tenement 10	556	18.1%	280	19.3%	7489	11.8%	4.4	10.3%
5	M1	Tenement 11	102	3.3%	67	4.6%	2354	3.7%	1.75	4.1%
6	M1	Tenement 12	325	10.6%	182	12.5%	5417	8.5%	3.8	8.9%
7	M1	Tenement 13	90	2.9%	22	1.5%	2371	3.7%	0.14	0.3%
8	M1	Tenement 14	49	1.6%	34	2.3%	833	1.3%	0.77	1.8%
10	M2	Tenement 9	82	2.7%	60	4.1%	1702	2.7%	0.5	1.2%
11	M2	Tenement 10	255	8.3%	168	11.6%	5414	8.5%	2.94	6.8%
		Bdgs								
12	M2	NFWF/NFWG	29	0.9%	24	1.7%	537	0.8%	0.19	0.4%
13	M2	Tenement 11	10	0.3%	9	0.6%	285	0.4%	0.09	0.2%
14	M2	Bdg NFWK	6	0.2%	3	0.2%	164	0.3%	0.42	1.0%
15	M2	Tenement 12	6	0.2%	6	0.4%	203	0.3%	0.1	0.2%
16	M2	Bdg NFWL	13	0.4%	9	0.6%	139	0.2%	0.15	0.3%
17	M2	Tenement 13	48	1.6%	37	2.5%	683	1.1%	0.53	1.2%
18	M2	Tenement 14	69	2.2%	35	2.4%	1381	2.2%	1.06	2.5%
22	M3(P1)	Bdg NFWK	1	0.0%	1	0.1%	13	0.0%		0.0%
10 or 12	M2		105	3.4%	26	1.8%	1644	2.6%	0.1	0.2%
12?	M3(P1)	Bdg NFWH	427	13.9%	140	9.6%	9000	14.1%	5.72	13.3%
15?	M3(P1)	Bdg NFWJ	384	12.5%	52	3.6%	6776	10.6%	1.84	4.3%
6?	M3(P1)	Bdg NFWL	1	0.0%	1	0.1%	11	0.0%		0.0%
7 or 17	M1 or M2		17	0.6%	11	0.8%	301	0.5%	0.19	0.4%
UNK			500	16.3%	286	19.7%	16963	26.6%	18.23	42.5%
Total			3075	100.0%	1453	100.0%	63680	100.0%	42.92	100.0%

Appendix 3: items for illustration

Site	Ctxt	Per	Phase	Feature	Tab	Fabric	Form	Dec	Dr	Phot	P No
SM75	101	M1	3.2	Tenement 10	4	EMSH	SPP	INCZ			P1
SM75	101	M1	3.2	Tenement 10	4	EMSH	CP				P2
SM75	101	M1	3.2	Tenement 10	4	EMSH	CP		Y		P3
SM75	101	M1	3.2	Tenement 10	4	LSS	CP				P4
SM75	101	M1	3.2	Tenement 10	4	LSS	CP				P5
SM75	101	M1	3.2	Tenement 10	4	NORG	SPP				P6
SM75	101	M1	3.2	Tenement 10	4	NORG	SPP	RLD			P7
SM75	101	M1	3.2	Tenement 10	4	THET	JAR ST				P8
SM75	101	M1	3.2	Tenement 10	4	THET	SPP				P9
SM75	55	M1	3.4	Tenement 10	4	THET	JAR ST	APTH	Y		P10
SM75	146	M1	3.5	Tenement 10	4	EMSH	BOWL				P11
SM75	146	M1	3.5	Tenement 10	4	LOND	JUG ERND	THMH	Y	Y	P12
SM75	146	M1	3.5	Tenement 10	4	LOND	JUG	APTH	Y	Y	P13
SM75	146	M1	3.5	Tenement 10	4	SHER FL	BOWL		Y		P14
SM75	146	M1	3.5	Tenement 10	4	SSW	CP		Y		P15
SM75	85	M1	3.2	Tenement 11	5	EMS	DISH RND				P16
SM75	103	M1	3.2	Tenement 11	5	LSS	DISH FLAR		Y		P17
SM75	103	M1	3.2	Tenement 11	5	LSS	CP				P18
SM75	103	M1	3.2	Tenement 11	5	LSS	JAR ST				P19
SM75	103	M1	3.2	Tenement 11	5	LSS	CP				P20
SM75	103	M1	3.2	Tenement 11	5	LSS	CP				P21
SM75	103	M1	3.2	Tenement 11	5	LSS	CP				P22
SM75	103	M1	3.2	Tenement 11	5	LSS	CP		Y		P23
SM75	103	M1	3.2	Tenement 11	5	STAM	SPP				P24
SM75	108	M1	3.2	Tenement 11	5	EMSS	CP				P25
SM75	108	M1	3.2	Tenement 11	5	LSS	DISH FLAR		Y		P26
SM75	108	M1	3.2	Tenement 11	5	LSS	BOWL		Y		P27
<i>NFW74</i>	<i>45</i>	<i>M1</i>	<i>3.2</i>	<i>Tenement 12</i>	<i>6</i>	<i>ANDE</i>	<i>SPP</i>				<i>P28</i>
NFW74	129	M1	3.2	Tenement 12	6	ANDE	PTCH	RLD			P29
<i>NFW74</i>	<i>59</i>	<i>M1</i>	<i>3.2</i>	<i>Tenement 12</i>	<i>6</i>	<i>NORG</i>	<i>SPP</i>	<i>RLD</i>			<i>P30</i>
<i>NFW74</i>	<i>59</i>	<i>M1</i>	<i>3.2</i>	<i>Tenement 12</i>	<i>6</i>	<i>NORG</i>	<i>SPP</i>				<i>P31</i>
<i>NFW74</i>	<i>59</i>	<i>M1</i>	<i>3.2</i>	<i>Tenement 12</i>	<i>6</i>	<i>REDP BUF</i>	<i>BEAK</i>				<i>P32</i>
NFW74	124	M1	3.2	Tenement 12	6	REDP BUF	SPP	PNTD	Y	Y	P33
NFW74	124	M1	3.2	Tenement 12	6	THET	SPP	APTH	Y		P34
NFW74	124	M1	3.2	Tenement 12	6	NFRE	SPP				P35

NFW74	124	M1	3.2	Tenement 12	6	NFRE	SPP						P36
NFW74	48	M1	3.2	Tenement 12	6	EMS	CP						P37
NFW74	124	M1	3.2	Tenement 12	6	EMS	CP						P38
NFW74	129	M1	3.2	Tenement 12	6	EMS	CP						P39
NFW74	129	M1	3.2	Tenement 12	6	EMS	JAR	APTH					P40
NFW74	129	M1	3.2	Tenement 12	6	EMS	SPP						P41
NFW74	45	M1	3.2	Tenement 12	6	EMFL	CP						P42
NFW74	129	M1	3.2	Tenement 12	6	EMSS	CP	THR					P43
NFW74	48	M1	3.2	Tenement 12	6	EMSH	BOWL			Y			P44
NFW74	129	M1	3.2	Tenement 12	6	EMSH	BOWL RND						P45
NFW74	124	M1	3.2	Tenement 12	6	EMSH	CP						P46
NFW74	124	M1	3.2	Tenement 12	6	EMSH	CP			Y			P47
NFW74	129	M1	3.2	Tenement 12	6	EMSH	CP	STAB					P48
NFW74	48	M1	3.2	Tenement 12	6	EMSH	SPP			Y			P49
NFW74	124	M1	3.2	Tenement 12	6	EMSH	SPP	INCH		Y			P50
NFW74	129	M1	3.2	Tenement 12	6	EMSH	SPP	INCW		Y	Y		P51
NFW74	48	M1	3.2	Tenement 12	6	ESUR	CP	THR					P52
NFW74	59	M1	3.2	Tenement 12	6	ESUR	CP						P53
NFW74	89	M1	3.2	Tenement 12	6	LOGR	CP	STAB					P54
NFW74	129	M1	3.2	Tenement 12	6	LOGR	PTCH	RLD		Y			P55
NFW74	48	M1	3.2	Tenement 12	6	EMCH	CP						P56
NFW74	59	M1	3.2	Tenement 12	6	EMCH	CP						P57
NFW74	124	M1	3.2	Tenement 12	6	EMCH	CP	THR					P58
NFW74	129	M1	3.2	Tenement 12	6	EMCH	CP	THR					P60
NFW74	129	M1	3.2	Tenement 12	6	EMCH	CP	THR					P59
FRE78	186	M1	3.2	Tenement 13	7	SATH	SPP			Y			P61
NFW74	132	M1	3.4	Tenement 13	7	ESUR	CP						P62
NFW74	115	M1	3.2	Tenement 14	8	LSS	CP						P63
NFW74	77	M1	3.2	Tenement 14	8	EMSS	CP			Y			P64
NFW74	123	M1	3.2	Tenement 14	8	EMSS	BOWL	THR					P65
SM75	163	M2	4.1	Tenement 9 or 10	10	LOND	JUG MINI	CLGL		Y			P66
SM75	163	M2	4.1	Tenement 9 or 10	10	KING METCOP	JUG BAL	STAB		Y			P67
SM75	163	M2	4.1	Tenement 9 or 10	10	KING SBOSS	JUG BAL	SBS		Y	Y		P68
SM75	99	M2	4.1	Tenement 9	10	SCAR	JUG KNT	FIGU		Y	Y		P69
SM75	163	M2	4.1	Tenement 9 or 10	10	SCAR	JUG ANTH			Y	Y		P70
SM75	62	M2	3.6	Tenement 10	11	EMSS	CP						P71
SM75	62	M2	3.6	Tenement 10	11	LMHG	JUG BAL	SBR		Y			P72
SM75	62	M2	3.6	Tenement 10	11	SAIM	JUG RND			Y	Y		P73

+	49	M2	3.6	Tenement 13	17	SSW	BOWL FLAR	STAB	Y		P74
NFW74	88	M2	3.6	Tenement 14	18	EMS	DISH FLAR		Y		P75
NFW74	92	M2	3.6	Tenement 14	18	SSW	CP		Y		P76
NFW74	36	M3 (P1)	4.2	Tenement 13	12?	SHER	CP		Y		P77
NFW74	47	M3 (P1)	4.3	Tenement 13	12?	CHEA	DJ BICON		Y	Y	P78
NFW74	8	M3 (P1)	4.4	Tenement 13	12?	CHEA	DJ BICON		Y	Y	P79
NFW74	44	M3 (P1)	4.4	Tenement 13	12?	CBW	JUG RNBG	STAB	Y		P80
NFW74	52	M3 (P1)		Tenement 13	12?	SAIM	JUG BAL		Y	Y	P81
NFW74	55	M3 (P1)	4.6	Tenement 13	12?	PMSRG	CHP		Y		P82
NFW74	2	M3 (P1)	4.8	Tenement 13	12?	BORDB	CUP CAUD	GLIE	Y		P83
NFW74	121	M3 (P1)	4.5	Tenement 14	15?	BORDG	DISH FLNG	COMW			P84
NFW74	121	M3 (P1)	4.5	Tenement 14	15?	RBOR	TPIP3		Y		P85
NFW74	39	M3 (P1)	4.8	Tenement 14	15?	PMR	JAR BUNG	THNK	Y		P86
FRE78	511					BORDY	BOWL CARN				P87
FRE78	511					BORDY	BOWL CARN				P88
FRE78	511					BORDG	BOWL FLAR				P89
FRE78	511					BORDG	BOWL FLAR				P90
FRE78	511					BORDG	COL				P91
FRE78	511					BORDG	DISH FLNG				P92
FRE78	511					BORDG	DISH FLNG				P93
FRE78	511					BORDY	DISH FLNG				P94
FRE78	511					BORDY	PORR				P95
FRE78	511					BORDY	SALT PED				P96
FRE78	511					BORDG	SKIL				P97
FRE78	511					PMFR	DISH FLNG		Y		P98
FRE78	511					PMFR	TPIP	GLIE			P99
FRE78	511					PMBL	MUG BAR		Y		P100
FRE78	511					PMR	CAUL	GLIE			P101
FRE78	511					TGW A	DISH	CHEQ			P102
FRE78	511					POTG	DISH	ARM			P103
FRE78	511					VALL	BOWL		Y	Y	P104
FRE78	511					VALL	BOWL HAND		Y	Y	P105
FRE78	511					DUTR	CAULPIP	GLIE			P106
FRE78	511					DUTR	CHAF				P107
FRE78	511					FREC	JUG BART	FACE			P108
FRE78	511					WERR	BOWL RND				P109