

APPENDIX 1

REPORT ON THE CERAMIC BUILDING MATERIAL FROM CROWLE CHURCH,
CROWLE, LINCOLNSHIRE (CWCY)

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INTRODUCTION

Forty fragments of ceramic building material weighing 16.555kg were submitted for examination. The material probably ranges in date from the medieval to the early modern period. The fragments were examined both visually and at x 20 binocular magnification. The resulting archive was then recorded using Lincolnshire codenames in an Access database and complies with the guidelines laid out in Slowikowski, *et al.* (2001) and the Lincolnshire County Council's *Archaeological Handbook* (sections 13.4 and 13.5). Nine different glazed floor tile types have been identified amongst the material examined and descriptions of these are given below.

CONDITION

The material recovered is in an abraded to slightly abraded condition. Most of the glazed floor tile fragments have been heavily worn on their upper surface and several have mortar adhering to broken edges suggesting that they have been reused.

THE CERAMIC BUILDING MATERIAL

A limited range of ceramic building, mainly late medieval to post-medieval glazed floor tile, was examined.

TABLE 1: CERAMIC BUILDING MATERIAL CODENAMES AND TOTAL QUANTITIES BY FRAGMENT COUNT AND WEIGHT

Codename	Full name	Total fragments	Total weight in grams
BRK	Brick	2	800
GFLOOR	Glazed floor tile	22	13170
NIB	Nibbed tile	3	414
PNR	Peg, nib or ridge tile	13	2171

The medieval to early modern roof tile

Sixteen fragments of flat roof tile recovered from the site were examined. With one exception, all of the undiagnostic fragments are of 13th to 16th century type. Most tiles are in oxidised fine to medium quartz-tempered fabrics and have reduced cores. One of these pieces, however, has a fabric similar to that found used for tiles manufactured in Beverley between the 12th and 15th centuries (Armstrong 1991 and Potts 1996). One tile recovered from an unstratified context is of later 16th to 19th century type. Three tiles had surviving suspension nibs. The earliest of these came from deposit 103 and has a moulded oval-shaped nib, possibly one of two, set near to the corner of the tile. This tile is likely to be of 13th to mid 14th century date, although similar tiles elsewhere in Lincolnshire date to as early as the last quarter of the 12th century. The second suspension nib recovered from deposit 203 is of semi-circular shape and has been applied to the sanded side of the tile. It is just possible that this nib also has been moulded, but has failed to release from the mould and had to be re-applied. This tile is of 13th to 14th century type. The third nib has also been applied to the sanded side, but has been cut back to form a sharp edge. This type of nib is in use from the mid 13th to 15th centuries

The late medieval to post-medieval floor tile

Twenty-two fragments from twenty-one different glazed floor tiles were recovered from the site. The tiles are visually similar to a range of examples found at St. Peter's Church, Barton-upon-Humber (Stopford 2011). Almost all of the tiles have heavily worn upper surfaces making identification of nail holes difficult, but it is probable that most of these tiles, except Type 8, are of Flemish-type. The tiles fall into three main identifiable sizes:

- 1) Small-sized (110 to 115mm square) – Site Types 2, 3 and 7.
- 2) Medium-sized (132 to 135mm square) – Site Types 5 and 6.
- 3) Large-sized (140 to 145mm square) – Site Types 1 and 4.

TABLE 2: FLOOR TILE TYPES

Floor tile type	Average size in mm	Date	Total tiles
Site Floor Tile Type 1	140 x 140 x 28	14 th to 17 th	6
Site Floor Tile Type 1 cut to triangle	98 x ? x 26	14 th to 17 th	1
Site Floor Tile Type 2	110 x 110 x 20	16 th to 18 th	2
Site Floor Tile Type 3	115 x 115 x 22	14 th to 17 th	3
Site Floor Tile Type 4	145 x 145 x 32	14 th to 17 th	1
Site Floor Tile Type 5	132 x 132 x 20	14 th to 17 th	3
Site Floor Tile Type 6	135 x 135 x 29	14 th to 17 th	1
Site Floor Tile Type 7	110 x 110 x 28	14 th to 17 th	1
Site Floor Tile Type 8	? x ? x 28	13 th to 15 th	1
Site Floor Tile Type 9 cut to triangle	120 x 88 x 84 x 29	14 th to 17 th	1
Unknown			1
Total tiles represented			21

Site Floor Tile Type 1

The six examples of this type are in fine orange to red coloured fabrics with a high calcareous content. Five of the six tiles have a dark reduced green, almost black in some cases, glaze on the upper surface. One of these tiles forms a triangle. It has been moulded as part of a larger tile that has been scored before firing and then snapped after firing. The sixth tile has a yellow glaze over a thick white slip. One tile has obvious nail holes in the corners of the upper surface. These could be present on the other examples but the surfaces are so worn it is impossible to be sure. The nail holes suggest that these large-sized tiles are definitely of Flemish origin.

Site Floor Tile Type 2

Both examples of this type are in fine calcareous orange to red coloured fabrics and have extremely worn upper surfaces. Reduction patches and traces of red slip on the upper surface suggest that the glaze would have been a dark reduced green. The fine bedding present on these small-sized tiles and the slightly more competent manufacture suggests that they may be of a slightly later date than the other tiles.

Site Floor Tile Type 3

The three examples of this type are in a fine orange to red fabric that is completely different to that used for the other small tiles but is similar to that used for some of the larger tiles. All three tiles have a dark reduced green glaze.

Site Floor Tile Type 4

A single example of this large-sized tile is in a fine dull orange fabric. The tile has a dark reduced green glaze over a red slip. The upper surface is extremely worn but there appear to be at least two nail holes at the corners of the tile suggesting that it is of Flemish origin.

Site Floor Tile Type 5

The three examples of this type are in a fine orange to red fabric and have dark reduced green glazes. These medium-sized tiles are slightly less well manufactured than some of the other floor tiles.

Site Floor Tile Type 6

A single example of this medium-sized tile is in a fine orange to red fabric and has a fairly thick dark reduced green glaze.

Site Floor Tile Type 7

The single example of this small-sized tile is in a fine orange to red fabric. The tile has a dark reduced green glaze, possibly applied over a red slip.

Site Floor Tile Type 8

Only a small fragment of this type was recovered from the site. The tile is in a fine calcareous orange to red fabric that is similar to that used for some tiles at St. Peter's Church, Barton on Humber thought to have been manufactured at Beverley (Stopford 2011). The upper surface of this tile shows little traces of wear and has retained a thick dark reduced green glaze. Unlike all of the other tiles recovered from the site this tile has heavily chamfered edges suggesting that it is of 13th to 15th century date.

Site Floor Tile Type 9

The single example of this triangular tile is in a fine micaceous orange to red fabric. The tile has been moulded as part of a larger tile that has been scored before firing and then snapped after firing. The tile has a dark reduced green glaze.

The late medieval to post-medieval brick

Two fragments from handmade bricks were found on the site. One fragment in a fine orange-red sandy fabric with common iron-rich grains is from a slop-moulded brick of 125mm width and 57mm depth. Similar handmade bricks were manufactured from the 14th to 17th centuries in several centres in North Lincolnshire and South Yorkshire. The smaller brick fragment is from a Beverley-type brick of 55mm depth. These bricks are of 14th to 16th century date and were probably made at several centres in Lincolnshire and East Yorkshire.

SUMMARY AND RECOMMENDATIONS

A mixed range of ceramic building material was recovered from the site. The group of glazed floor tiles suggests several episodes of flooring within the church, mainly with tiles with a dark, almost black, reduced green glaze. A single example with a yellow glaze suggests that there may have either been a lighter coloured border or a chequered floor in part of the church. Little is known about the ceramic building material sequence in this part of Lincolnshire and therefore all of material should be kept for future analysis.

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Post-Roman Ceramic Archive for Crowle Church, Crowle, N. Lincolnshire (CWCY)

Jane Young

context	ename	full name	sub fabric	form type	sherds	vessels	weight	decoration	part	description	date
121	LEMS	Lincolnshire Early Medieval Shelly		jar/bowl	1	1	8		BS	abraded	mid 12th to early/mid 13th
121	MEDX	Non Local Medieval Fabrics	oxid;coarse sandy	jug	2	1	28		rim	slightly inturned short rounded cuff rim;to County Fabric Type Series;comm coarse angular quartz comm fe;thick amber glaze;? S or W Yorks	late 12th to 13th
305	CTP	Clay Tobacco Pipe		clay pipe	1	1	11	mould decorated;faceted with leaf design up seams	bowl		19th
305	CTP	Clay Tobacco Pipe		clay pipe	2	2	19	mould decorated;ribbed & fluted with leaf design up seams	bowls	two identical bowls	19th
305	CTP	Clay Tobacco Pipe		clay pipe	13	1	41		stems	plain unmarked stems	19th
305	ENGS	Unspecified English Stoneware	grey	bottle	8	1	106		BS		19th to mid 20th
502	BERTH	Brown glazed earthenware	fine orange sandy	large jug/jar	1	1	42		BS	int glaze	mid 17th to 18th
U/S	BL	Black-glazed wares	medium orange sandy	small bowl	1	1	8		rim	int & ext glaze	late 17th to 18th
U/S	ENGS	Unspecified English Stoneware	grey	large jar/flagon	1	1	9		BS	thick walled	19th to mid 20th

Ceramic Building Material Archive for Crowle Church, Crowle, N. Lincolnshire (CWCY)

Jane Young and Johanna Gray

context	cname	fabric	sub type	frags	weight	description	date
203	NIB	OX/R/OX med sandy	moulded oval nib	1	168	left corner;re-applied nib;mortar incl over breaks	13th to mid 14th
203	NIB	OX/R/OX fine-med sandy	applied large semi circular nib	1	150	left corner;large nib poss originally moulded	13th to 14th
203	PNR	OX/R/OX fine-med sandy		1	126	flat roofer;corner?;mortar incl over breaks	13th to 16th
203	PNR	OX/R/OX med sandy		1	66	flat roofer;mortar	13th to 16th
203	PNR	OX/R/OX fine-med sandy + fe		1	52	flat roofer;coarse bedding	13th to 16th
303	PNR	OX/R/OX fine-med sandy + mudrock		1	142	flat roofer;fabric incl abundant shale/mudstone;underside has smoothing;upper edge lip above mould	13th to 16th
303	PNR	OX/R/OX fine-med sandy + fe & mudrock		1	49	flat roofer;incl abundant shale/mudstone & fe	13th to 16th
303	PNR	OX/R/OX fine-med sandy + fe		1	216	flat roofer;15mm:sunken margins	13th to 16th
303	PNR	OX/R/OX fine-med sandy		1	129	flat roofer;17mm;finger? Impression on underside	13th to 16th
303	PNR	OX/R/OX fine-med sandy + mudrock		1	131	flat roofer;incl abundant shale/mudstone;trace mortar	13th to 16th
320	BRK	fine orange-red sandy + fe		1	618	handmade;125x57mm;friable;corner;? Slop moulded	14th to 17th
320	BRK	fine red fabric;Beverley-type		1	182	handmade;corner;55mm thick;impression on side from tool?	14th to 16th

context	cname	fabric	sub type	frags	weight	description	date
320	GFLOOR	fine orange-red fabric	Site Floor Tile Type 3 ?	1	370	115x?x23mm;dark reduced green glaze;mortar incl breaks	14th to 16th
400	GFLOOR	fine orange-red sandy	Site Floor Tile Type 1	1	1044	near complete;140x140x28mm;glaze on upper & lower surfaces;dark reduced green on upper & dull green-brown on lower;stacking scar;mortar incl breaks	14th to 17th
400	GFLOOR	fine orange-red sandy + some ca	Site Floor Tile Type 1	1	1086	complete;140x140x25mm;has glaze on both surfaces;poss nailholes;upper worn surface;dark green/black glaze (mainly worn away);glaze on underside brown;thick mortar on sides & underside;some mortar on upper;straight sided	14th to 17th
400	GFLOOR	fine orange-red sandy + some ca	Site Floor Tile Type 2	1	467	complete;105x107x20mm;worn upper;mortar;fine bedding	14th to 17th
400	GFLOOR	fine orange-red sandy + some ca	Site Floor Tile Type 2	1	481	complete;110x110x20mm;worn upper;mortar;fine bedding	16th to 18th
400	GFLOOR	dull orange fine fabric	Site Floor Tile Type 4	1	1232	145x145x32mm;dark reduced green glaze over red slip;worn upper;mortar;side stacking scar;poss 2 nail holes near corner	14th to 17th
400	GFLOOR	fine orange-red fabric	Site Floor Tile Type 3	1	556	110x110x22mm;worn upper;dark reduced green glaze;mortar;near complete;different fabric to other small tiles but similit to larger ones	14th to 17th
400	GFLOOR	fine orange-red sandy + some ca	Site Floor Tile Type 1	1	449	140x?x28mm;dark reduced green glaze;mortar;glaze on underside;worn upper;part un slipped & side has brown glaze	14th to 17th
400	GFLOOR	fine purple + some ca	Site Floor Tile Type 1 ?;cut to triangle	1	205	98+ x?x26mm;scored & snapped;near vitrified;mortar over break;almost black glaze	14th to 17th
400	GFLOOR	fine orange-red sandy + some ca	Site Floor Tile Type 1	1	887	near complete;140x140x28mm;worn upper;mortar incl breaks;no remaining glaze but prob reduced	14th to 17th
400	GFLOOR	fine orange-red sandy	Site Floor Tile Type 1	1	719	140x?x28mm;half tile;dark reduced green glaze on	14th to 17th
400	GFLOOR	fine orange-red fabric	Site Floor Tile Type 5	1	474	132x?x20mm;very worn upper surface;dark reduced green glaze spot only left;mortar incl one break;fine bedding as on Type 2	14th to 18th

context	ename	fabric	sub type	frags	weight	description	date
400	GFLOOR	fine orange-red fabric	Site Floor Tile Type 5	1	950	complete;140x135x25mm;worn upper surface;trace dark reduced green glaze;fine bedding;thumb impression on underside	14th to 18th
400	GFLOOR	fine orange-red fabric	Site Floor Tile Type 1	1	758	near complete;140x140x28mm;worn upper surface;yellow glaze over white slip;mortar;stacking	14th to 17th
403	PNR	med OX/R/OX sand + fe		1	266	flat rofe;240mm width;12mm thick;part finger-struck	13th to 15th
403	PNR	orange-red med sandy + mmudrock		1	209	flat roofer;corner	13th to 16th
403	PNR	fine OX/R/OX;? Beverley		2	483	same tile;flat roofer	13th to 15th
403	NIB	fine orange-red fabric + mudrock	applied & cut back	1	96	left corner;finger impressions	mid 13th to 15th
411	GFLOOR	fine orange-red fabric	Site Floor Tile Type 3?	1	456	complete;118x115x19mm;worn upper;no traces glaze left;mortar incl upper surface;fine bedding	14th to 17th
411	GFLOOR	fine orange-red fabric	Site Floor Tile Type 5	2	883	form complete tile;132x132x20mm;dark reduced green glaze;glaze on both surfaces;a lot of stacking scars;mortar	14th to 17th
413	GFLOOR	fine orange-red fabric	Site Floor Tile Type 6	1	888	complete;135x134x29mm;worn upper surface but still fair amount of glaze;dark reduced green glaze;fine bedding;mortar	14th to 17th
416	GFLOOR	fine orange-red fabric	Site Floor Tile Type 7	1	486	complete;105x110x28mm;dark reduced glaze;worn upper	14th to 17th
502	GFLOOR	fine orange-red fabric + ca	Site Floor Tile Type 8	1	502	corner;28mm thick;hardly worn upper;thick dark reduced glaze;chamfered edge	13th to 15th
600	GFLOOR	micaceous fine orange-red	Site Floor Tile Type 9;cut to triangle	1	258	29mm thick;triangle 84x88x120mm;dark reduced green glaze;scored & snapped;mortar incl breaks;stacking scar;worn upper	14th to 17th
U/S;bag 1	PNR	oxid med sandy		1	302	flat roofer;poor condition;mortar incl breaks;thumb impression on underside	16th to 19th
U/S;bag 2	GFLOOR	fine orange-red fabric	Site Floor Tile Type ?	1	19	thick dark reduced green glaze	14th to 18th