Appendix 4: Finds data tables

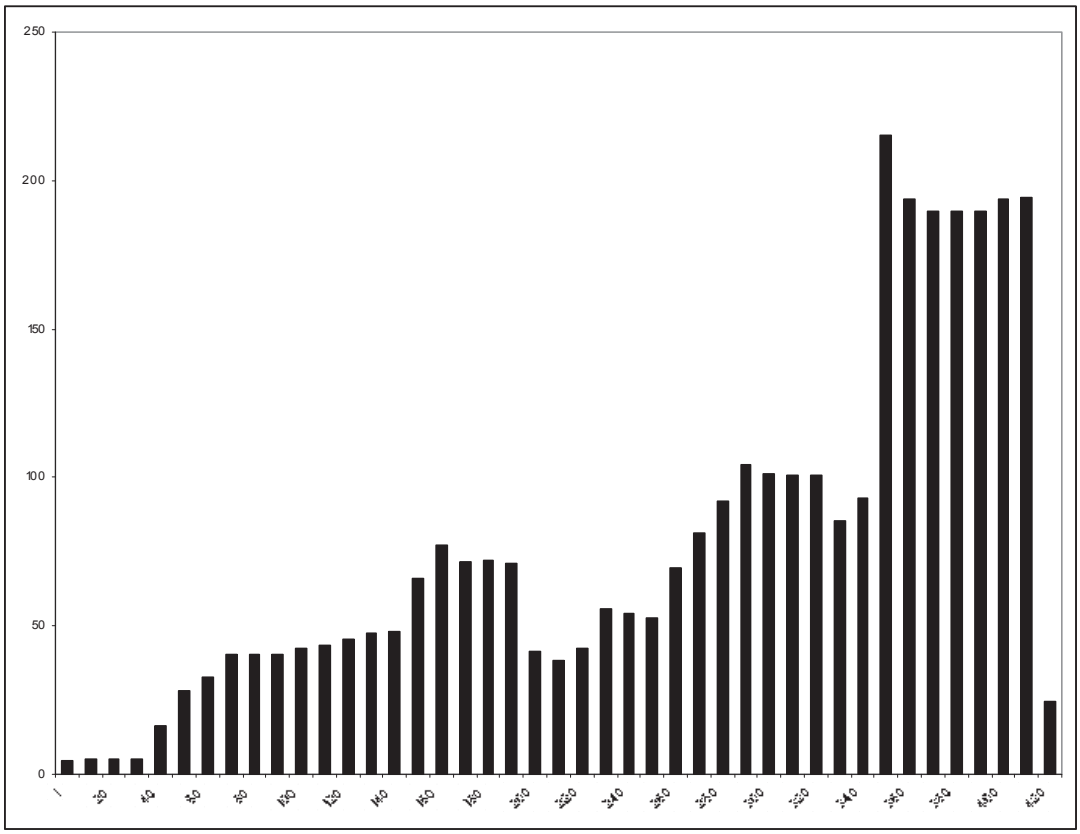
Table A4.1: Prehistoric pottery

Vessel no.	Context no.	Comment
1	283	From fill of pit F284, possibly later Neolithic in date
2	283	From fill of pit F284, possibly early Bronze Age in date
3	283	From fill of pit F284, possibly later Neolithic in date.
4	721	From pit F724, Beaker, early Bronze Age in date
5	722/723	From pit F724, Beaker, early Bronze Age in date
6	722	From pit F724, Beaker, early Bronze Age in date
7	898	From fill of gully F1002, possible Beaker, early Bronze Age in date

Table A4.2: Major fabric class proportions in the Quarry Farm stratified assemblage

FC	Ware type	No%	Wt%	MV%	RE%
A	Amphora	0.70%	4.36%	0.00%	0.00%
B	Black Burnished	2.09%	1.54%	3.57%	4.11%
C	Shell	1.07%	0.93%	3.57%	4.17%
F	Fine	1.44%	0.99%	1.98%	3.51%
G	Gritted	58.38%	60.20%	39.29%	37.29%
M	Mortaria	2.14%	3.70%	6.75%	6.80%
O	Oxidised	2.14%	0.34%	1.19%	1.22%
P	Prehistoric	1.07%	1.51%	0.00%	0.00%
Q	White slip	0.09%	0.07%	0.00%	0.00%
R	Reduced	17.88%	19.40%	25.79%	34.94%
S	Samian	1.44%	0.62%	2.38%	0.96%
W	Whiteware	0.74%	0.54%	0.40%	0.43%
Z	Anglian	10.82%	5.82%	15.08%	6.57%
	N	***2153***	***46941***	***252***	***3529***

Table A4.3: Date distribution plot by RE by decade for all



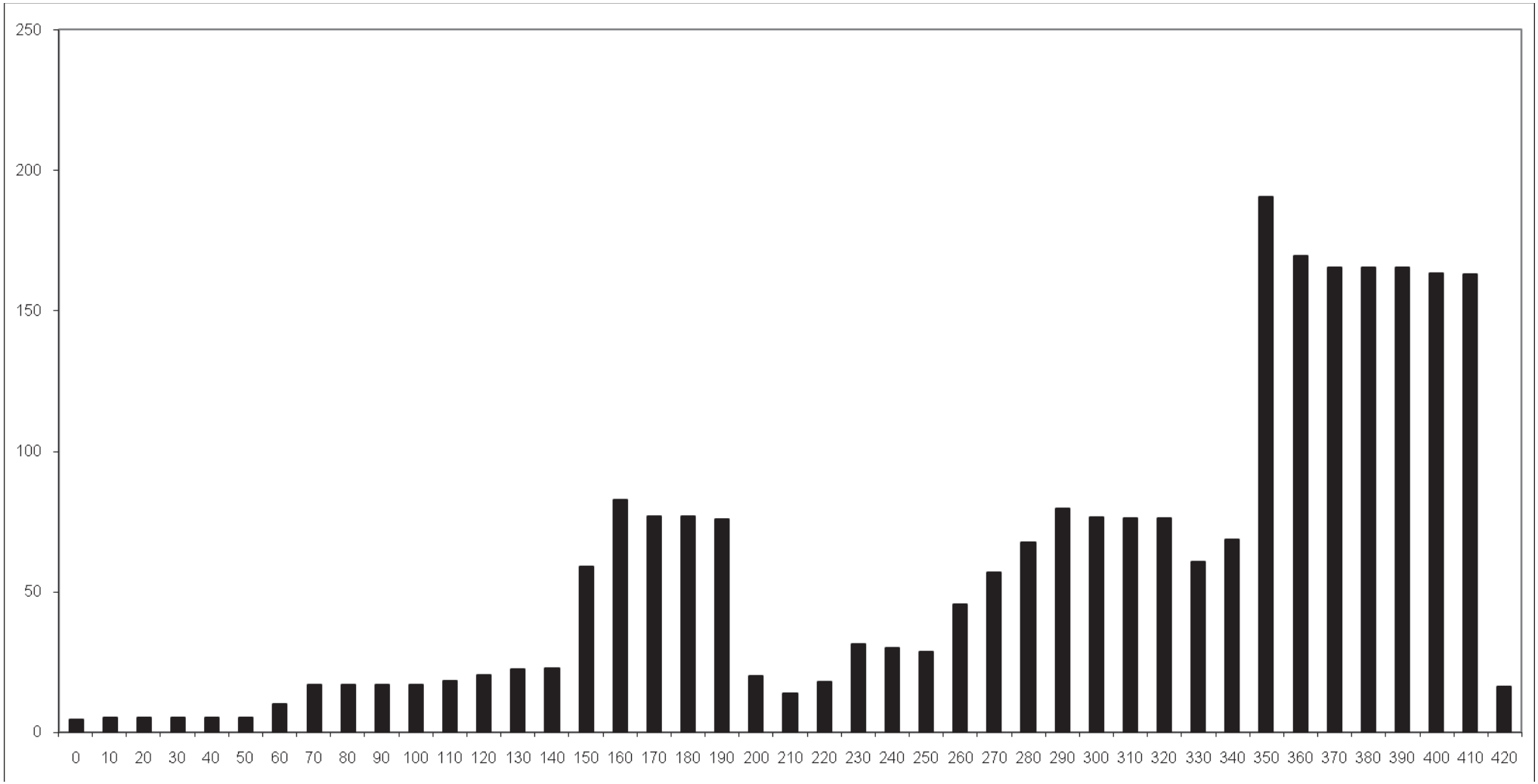


Table A4.4: Normalised plot of RE by decade for all pottery with a date range of less than 200 years

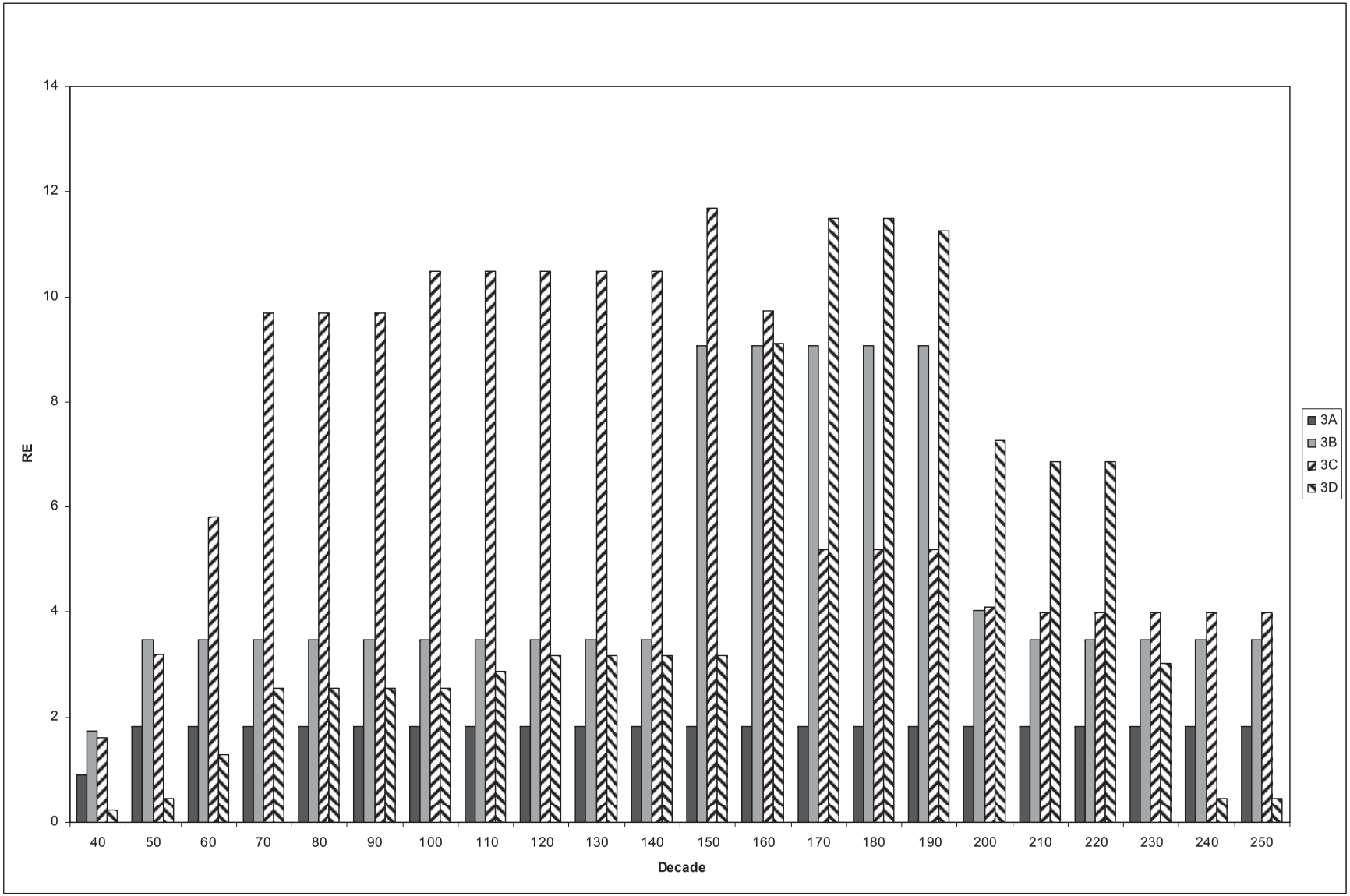


Table A4.5: Normalised RE by decade in Phase 3

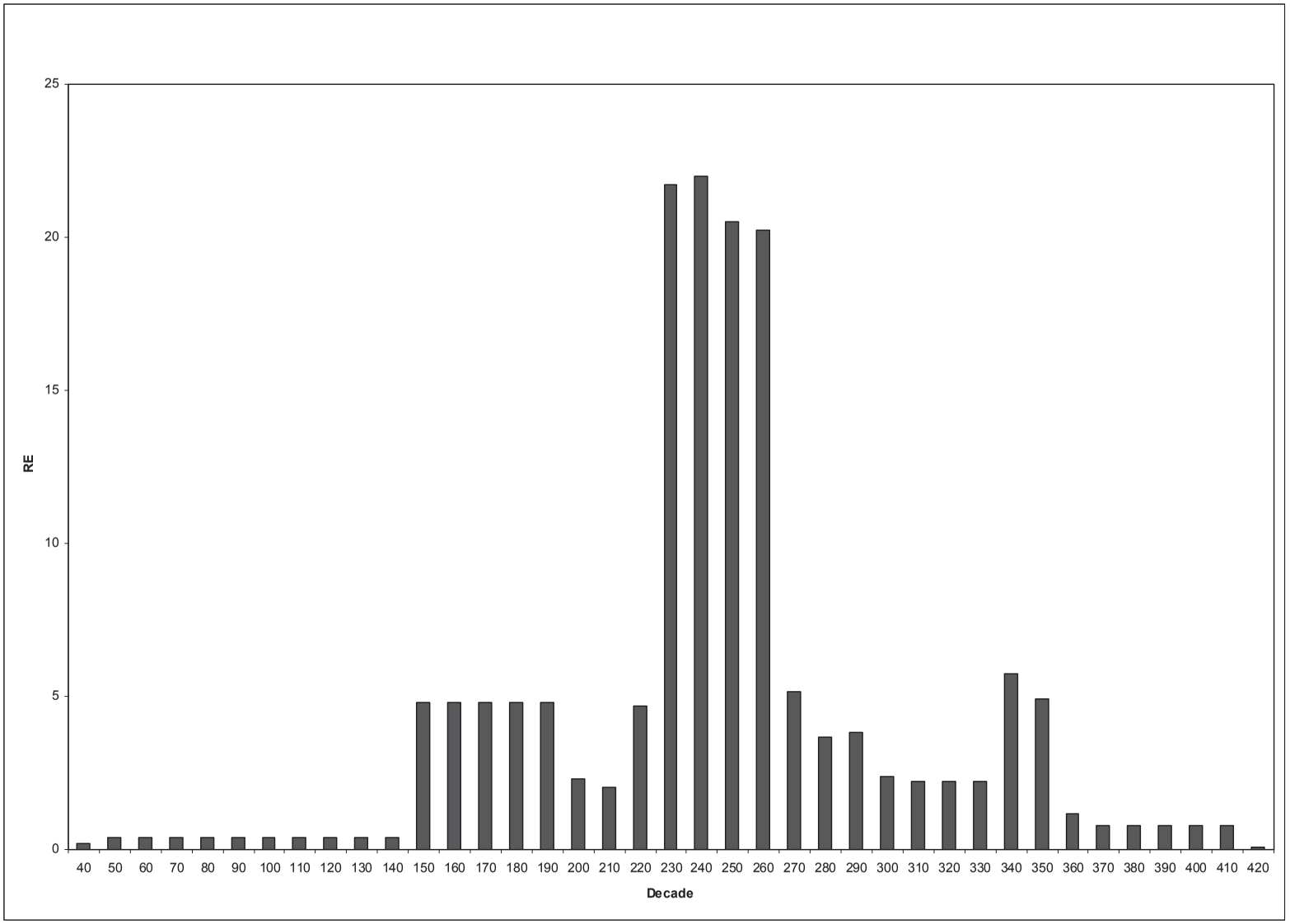


Table A4.6: Normalised RE by decade in Phase 4

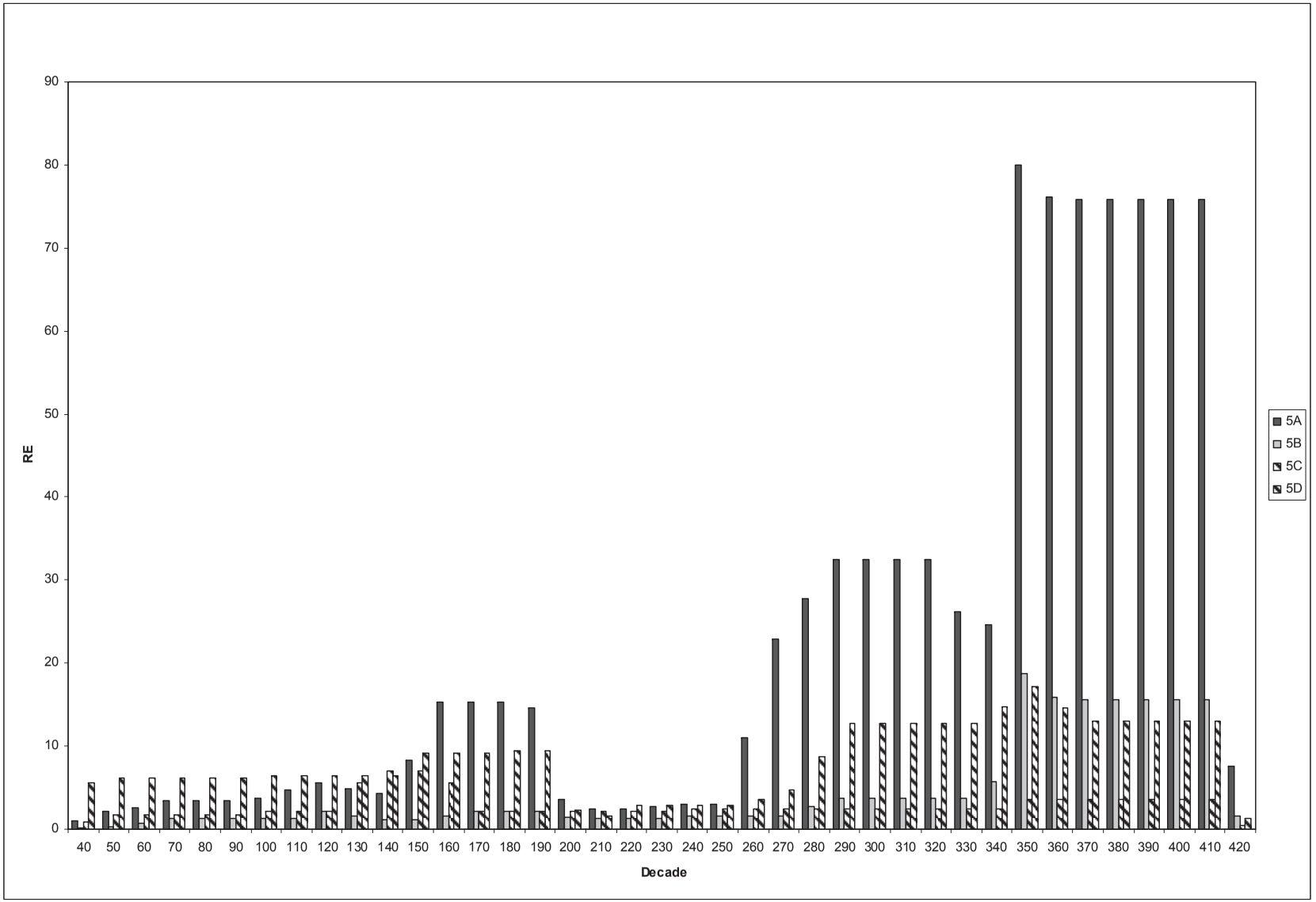


Table A4.7: Normalised RE by decade in Phase 5

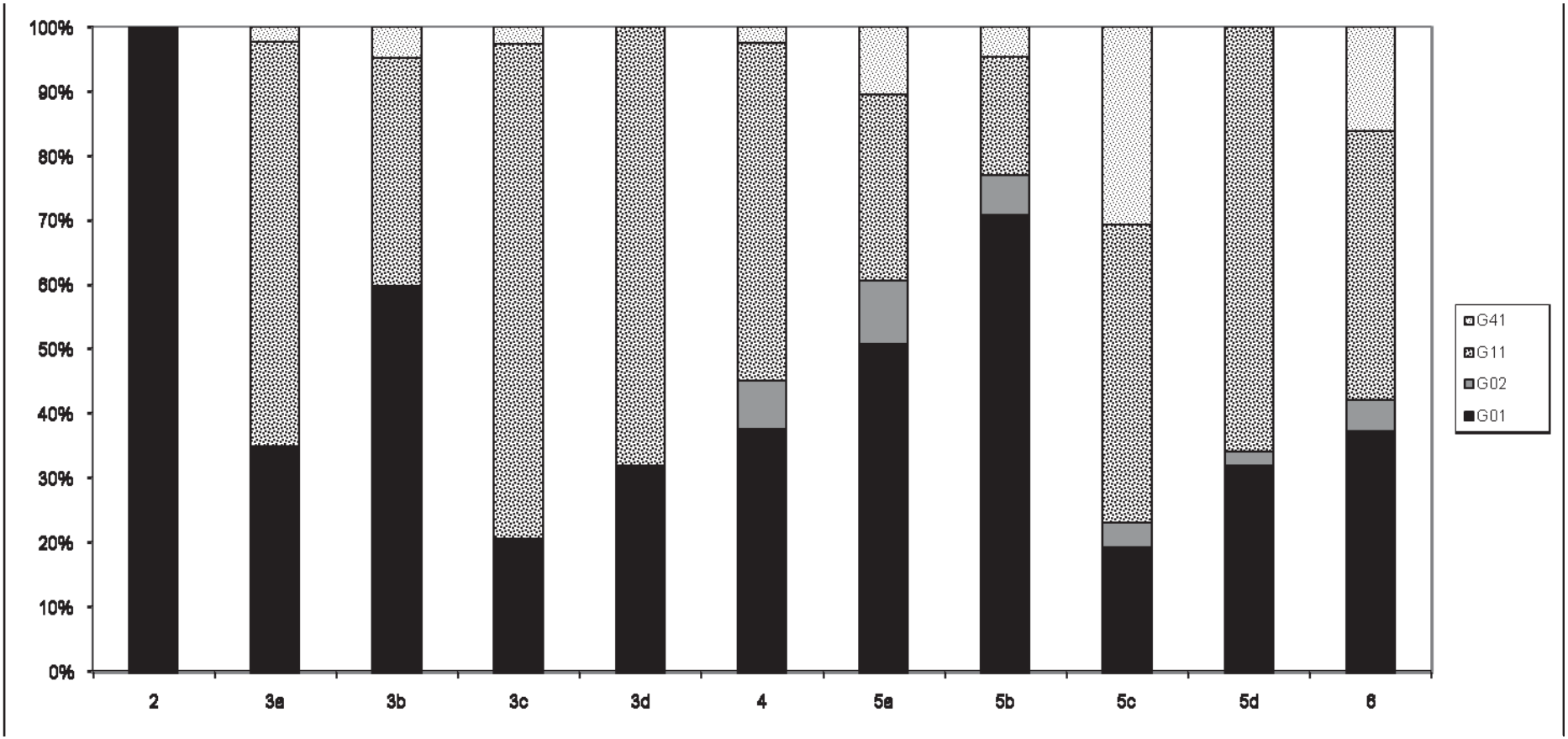


Table A4.8: Occurrence of gritted wares at quarry farm as a proportion of Class G00 by NoSH

Table A4.9: Fabric supply to Quarry Farm by supplier type

Proximity	No%	Wt%	MV%	RE%	BE%
Close Regional	0.33%	0.26%	0.40%	0.91%	0.44%
Far Regional	2.60%	1.93%	5.56%	5.81%	1.23%
Import	2.14%	4.97%	2.38%	0.96%	2.58%
Local?	34.09%	33.85%	28.17%	17.14%	8.23%
Regional	48.77%	49.47%	57.14%	67.02%	71.28%
Unknown	5.06%	1.92%	1.98%	1.79%	8.49%
N	*2153*	*46941*	*252*	*3529*	*2284*

Table A4.10: Fabric B01 and B10 as a proportion of all pottery by phase

Fabric	Phase	No%	Wt%	MV%	RE%	BE%	*Nno*	*Nwt*	*N mv*	*N re*	*N be*
B01	3c	0.7%	0.0%	0.0%	0.0%		***147***	***7139***	***6***	***213***	***204***
B01	3d	1.2%	0.7%	20.0%	5.3%		***85***	***1641***	***5***	***94***	***67***
B01	4	21.3%	21.8%	18.2%	49.3%		***80***	***1214***	***11***	***152***	***83***
B01	5a	0.2%	0.0%	0.0%	0.0%		***449***	***9639***	***67***	***903***	***630***
B01	5c	5.1%	4.3%	8.3%	12.2%	8.1%	***79***	***2108***	***12***	***131***	***246***
B01	5d	12.6%	8.4%	10.0%	6.3%		***143***	***3106***	***20***	***384***	***208***
B10	3b	1.1%	0.9%	20.0%	4.9%		***91***	***1857***	***5***	***144***	***71***
B10	3d	1.2%	3.5%	20.0%	8.5%	11.9%	***85***	***1641***	***5***	***94***	***67***
B10	5a	0.2%	0.2%	1.5%	1.1%		***449***	***9639***	***67***	***903***	***630***

Table A4.11: Percentages of vessels in fabric G01 in different functional types

	Storage jars	Jars	Wide-mouthed jars	Bowls	Dishes	*N*
MV	8.9	71.1	13.3	2.2	4.4	***45***
RE	11.4	70.1	13.1	1.6	3.9	***571%***

Table A4.12: Functional analysis of vessels in Fabric G11 from Quarry Farm

	Jar	Dish	Other	*N*
MV	74%	21%	6%	***34***
RE	77%	11%	11%	***378***

Table A4.13: Fabric G11 by phase

Phase	No%	Wt%	MV%	RE%	BE%	*Nno*	*N wt*	*N mv*	*N re*	*N be*
3a	37.5%	48.2%	42.9%	53.7%		*72*	*1368*	*7*	*95*	*37*
3b	31.9%	33.4%	40.0%	20.8%	26.8%	*91*	*1857*	*5*	*144*	*71*
3c	58.5%	88.8%	16.7%	46.9%	27.0%	*147*	*7139*	*6*	*213*	*204*
3d	52.9%	46.7%	20.0%	18.1%	16.4%	*85*	*1641*	*5*	*94*	*67*
4	26.3%	19.2%	18.2%	9.9%		*80*	*1214*	*11*	*152*	*83*
5a	17.4%	13.5%	16.4%	4.9%	9.7%	*449*	*9639*	*67*	*903*	*630*
5b	10.4%	9.1%	6.7%	2.2%		*115*	*3012*	*15*	*178*	*213*
5c	15.2%	3.4%	25.0%	38.2%		*79*	*2108*	*12*	*131*	*246*
5d	21.7%	15.2%	20.0%	8.1%	13.0%	*143*	*3106*	*20*	*384*	*208*
6	23.3%	18.7%	4.8%	2.6%	2.9%	*868*	*15137*	*104*	*1235*	*525*

Table A4.14: Fabric G41 by phase

Phase	No%	Wt%	MV%	RE%	BE%	*Nno*	*N wt*	*N mv*	*N re*	*N be*
3a	1.4%	0.6%	0.0%	0.0%		72	1368	7	95	37
3b	4.4%	4.1%	0.0%	0.0%		91	1857	5	144	71
3c	2.0%	0.4%	16.7%	4.2%		147	7139	6	213	204
4	1.3%	1.0%	0.0%	0.0%		80	1214	11	152	83
5a	6.5%	4.8%	9.0%	11.4%	4.9%	449	9639	67	903	630
5b	2.6%	6.7%	0.0%	0.0%	26.3%	115	3012	15	178	213
5c	10.1%	14.2%	8.3%	3.1%	14.6%	79	2108	12	131	246
6	9.1%	11.7%	2.9%	8.8%	10.3%	868	15137	104	1235	525

Table A4.15: Proportions of mortaria fabrics from Quarry Farm

Fabric	No%	Wt%	MV%	RE%	BE%
M01	40%	37%	50%	51%	50%
M02	11%	10%	13%	9%	
M03	2%	2%	0%	0%	
M04	18%	18%	13%	13%	
M05	2%	2%	6%	4%	
M11	2%	8%	0%	0%	50%
M12	20%	18%	13%	18%	
M21	2%	5%	6%	5%	
M22	2%	1%	0%	0%	
N	***45***	***1639***	***16***	***233***	***104***

Table A4.16: Functional analysis of vessels in fabric R09

Function	F	CJ	J	SJ	BK	B	D	*N*
MV	0%	0%	4%	0%	0%	71%	25%	***24***
RE	0%	0%	5%	0%	0%	78%	17%	***343***

Table A4.17: Functional analysis of vessels in fabric R11 (by min number of rims & RE)

	Jars	Bowls	Dishes	*N*
MV	9%	46%	46%	*11*
RE	23%	50%	27%	*103%*

Table A4.18: Functional composition from site as a whole.

Function	RE%	MV%
F	6.26%	1.19%
CJ	5.21%	1.98%
J	51.91%	54.76%
SJ	3.83%	2.38%
WMJ	2.13%	2.38%
BK	0.85%	1.19%
C	0.37%	0.79%
M	6.80%	6.75%
B	14.28%	15.48%
D	6.97%	11.90%
L	1.05%	0.79%
O	0.34%	0.40%
N	***3529***	***252***

Table A4.19: Functional composition by RE as a proportion of each phase

Phase	F	CJ	J	SJ	WMJ	C	BK	M	B	D	L	O	*N*
3a-d	3.6%	17.3%	52.3%				1.9%	4.8%	8.7%	11.4%			***578***
5a	11.3%	3.9%	47.8%	1.0%	7.8%			9.5%	14.4%	3.7%	0.6%		***883***
5b			43.8%	18.5%				7.9%	20.8%	9.0%			***178***
5d	26.3%		27.1%					4.2%	37.4%	5.0%			***380***
6		2.0%	55.2%	9.2%	0.6%		1.0%	8.1%	11.9%	8.8%	3.2%		***1008***

Table A4.20: Functional composition by MV as a proportion of each phase (Roman only)

Phase	F	CJ	J	SJ	WMJ	BK	C	M	B	D	L	O	*N*
3a-d	3.9%	3.9%	34.%			3.8%		7.7%	19.2%	26.9%			***26***
5a	1.5%	3.0%	50.0%	1.5%	7.6%			9.1%	16.7%	9.1%	1.5%		***66***
5b			46.7%	6.7%				6.7%	33.3%	6.7%			***15***
5d	5.3%	0.0%	47.4%					5.3%	21.1%	21.1%	0.0%		***19***
6		1.5%	50.7%	6.0%	1.5%	1.5%		7.5%	14.9%	14.9%	1.5%		***67***

Table A4.21: Proportions of finewares for entire site

No%	Wt%	MV%	RE%	BE%
3.86%	3.05%	7.94%	3.86%	13.62%
2153	*46941*	*252*	*3529*	*2284*

Table A4.22: Fine ware by phase

Phase	No%	Wt%	*N no*	*N wt*
3a	6.94%	12.94%	*72*	*1368*
3b	2.20%	1.51%	*91*	*1857*
3c	4.08%	0.43%	*147*	*7139*
4	3.75%	2.47%	*80*	*1214*
5a	3.56%	5.76%	*449*	*9639*
5b	9.57%	4.35%	*115*	*3012*
5c	6.33%	2.56%	*79*	*2108*
5d	11.89%	2.29%	*143*	*3106*
6	2.07%	2.35%	*868*	*15137*

Table A4.23: Quantities of pottery by phase at Quarry farm

Phase	Period	No%	Wt%	MV%	RE%	BE%
1	Early Prehistoric	0.0%	0.0%	0.0%	0.0%	
2	Late Prehistoric	1.1%	1.5%	0.0%	0.0%	
3a	Early Romano British	5.0%	4.2%	3.6%	3.1%	5.6%
3b	Early Romano British	4.6%	4.3%	2.4%	4.4%	3.2%
3c	Early Romano British	7.3%	15.6%	2.8%	6.5%	9.1%
3d	Early Romano British	4.8%	4.3%	2.0%	2.7%	3.6%
4	Romano-British	2.9%	1.7%	4.0%	4.1%	1.4%
5a	Late Romano-British	18.2%	18.5%	26.1%	25.2%	23.7%
5b	Late Romano-British	5.3%	6.5%	6.0%	5.1%	9.5%
5c	Late Romano-British	3.6%	4.4%	4.4%	3.5%	11.0%
5d	Late Romano-British	6.7%	6.6%	7.6%	10.9%	9.3%
6	Anglian	40.3%	32.3%	41.0%	34.5%	23.5%
	N	***2133***	***46456***	***249***	***3494***	***2232***

Table A4.24: Quantities of sherds from different feature types from Quarry Farm

Context type	No	Wt	Average sherd weight	MV	RE	Average % rim per vessel
Layers	630	13458	21.4	97	1304	13.4-
Demolition layers	1	1	1-	0	0	0
Floor layer	20	388	19.4-	1	35	35+
Posthole & beam slot & foundation trench	93	1526	16.4-	9	89	9.9-
Pit	461	14893	32.3+	44	762	17.3+
Ditch / gully	392	7244	18.5-	52	844	16.2+
Hearth	20	267	13.4-	3	18	6-
Feature	480	8110	16.9-	42	509	12.1-
Grave	9	75	8.3-	1	13	13-
Wall	17	334	19.6-	3	35	11.7-
Corn dryer	12	145	12.1-	1	11	11-
N	2135	46.441kg	21.8	253	3620%	14.3

Table A4.25: Percentage of sherds from different feature types from Quarry Farm

Context type	% Nosh	% Wt	% MV	% RE
Layers	29.5	29.0	38.3	36.0
Demolition layers	0.1	0.0	0	0
Floor layer	0.9	0.8	0.4	1.0
Posthole & beam slot & foundation trench	4.4	3.3	3.6	2.5
Pit	21.6	32.1	17.4	21.0
Ditch /gully	18.4	15.6	20.6	23.3
Hearth	0.9	0.6	1.2	0.5
Feature – general	22.5	17.5	16.6	14.1
Grave	0.4	0.2	0.4	0.4
Wall	0.8	0.7	1.2	1.0
Corn dryer	0.6	0.3	0.4	0.3
N	2135	46.441kg	253	3620%

Table A4.26: Percentage of sherds from different feature types from Worcester Magistrates Court site

Context type	% Nosh	% Wt	Average sherd weight	% Min no rims	% RE	Average % rim per vessel
Layers	12.7	11.5	16.3g-	13.7	12.4	8.3-
Road /metalled layers	58.9	48.2	14.6g-	49.8	41.1	7.6-
Postholes / beam slots	4.8	4.5	16.9g-	5.7	5.7	9.1-
Pits	8.0	9.2	20.8g+	9.2	11.3	9.9+
Ditches	13.2	22.3	30.2g+	16.4	24.0	13.4+

Context type	% Nosh	% Wt	Average sherd weight	% Min no rims	% RE	Average % rim per vessel
Wells	0.1	0.1	14.1g-	0.1	0.1	6.3-
Graves	0.02	0.2	205.5g+	0.03	0.3	100+
Wall	0.1	0.1	22.3g+	0.1	0.1	8.3-
Hearth / oven	0.9	1.3	27.1g+	1.2	1.4	11.3+
Other	0.5%	0.8	-	0.33	0.7	-
N	29098	520210	17.9g	3260	30007%	9.2%

Table A4.27: Repairs noted in catalogue

	No%	Wt%	MV%	RE%
Repairs	0.14%	0.28%	0790%	0.54%
N	2153	46941	252	3529

Table A4.28: Repaired sherds listed

Phase	Context	Fab	Part	FT:	No	Weight	MV	RE	RD	Repair	Drawing
5a	1278	R09	Rim	B1.1	1	78	1	11	22	Rivet hole	236
6	720	G41	Body		1	28	0	0	0	2 Rivet Holes	
6	763	G41	Rim	J1.1	1	24	1	8	18	Rivet Hole	27

Table A4.29: Cross-joins

Fabric	Form	Dr	Context type:	Cxt	Phase	Joins	Cxt	Phase	Type
G02	J1.1	220	Pit	**1083**	5a	→	**668**	6	Layer
S31	Bdr37		Layer	**236**	5a	→	**233**	5c	Layer
G41	J2.1	22	Gully	**711**	5a	→	**719**	5a	Layer
R13	CJ1.1	18	Layer	**719**	5a	→	**763**	6	Pit
R12	SJ1.1	6	Feature - general	**720**	6	→	**725**	6	Feature - general

Table A4.30: Listed complete vessels

Drawing	Part	Fabric	Form	Phase	Type	Cxt	No	Wt	MV	RE
1	Complete Vessel	G11	J1.1	3c	Pit	882	81	6215	1	100

Table A4.31: Burnt sherds as a proportion of each ware

Ware	Type	No%	wt%	MV%	RE%	BE%	*Nno*	*Nwt*	*Nmv*	*Nre*	*Nbe*
A	Amphora	20.0%	12.5%				***15***	***2045***	***0***	***0***	
B	Black Burnished	46.7%	70.3%	55.6%	71.7%	100.0%	***45***	***723***	***9***	***145***	***28***
C	Shell	47.8%	74.7%	66.7%	78.2%		***23***	***435***	***9***	***147***	***10***
F	Fine	19.2%	20.3%	28.6%	24.8%	13.9%	***52***	***1142***	***14***	***258***	***252***
G	Gritted	30.0%	42.9%	31.3%	40.9%	36.4%	***1257***	***28257***	***99***	***1316***	***1057***
M	Mortaria	21.4%	22.7%	33.3%	28.9%		***28***	***1130***	***9***	***121***	***52***
O	Oxidised	4.3%	4.4%	0.0%	0.0%		***46***	***158***	***3***	***43***	***7***
P	Prehistoric						***23***	***709***	***0***	***0***	
R	Reduced	10.6%	16.7%	20.0%	22.7%	4.6%	***385***	***9108***	***65***	***1233***	***632***
S	Samian						***31***	***290***	***6***	***34***	***59***
Q	White slip	50.0%	87.5%			100.0%	***2***	***32***	***0***	***0***	***41***
W	Whiteware	30.8%	18.8%			61.7%	***13***	***181***	***0***	***0***	***94***
Z	Post-Medieval	7.7%	10.7%	10.5%	14.2%	80.8%	***233***	***2731***	***38***	***232***	***52***

Table A4.32: Sooting by function, as a proportion of the total assemblage

Function	MV%	RE%	*N mv*	*N RE*
J	30%	46%	*138*	*1832*
M	35%	39%	*17*	*240*
B	23%	28%	*39*	*504*
D	20%	17%	*30*	*246*
L	100%	100%	*2*	*37*
O	100%	100%	*1*	*12*

Table A4.33: MSW and M%R for main fabrics for Phase 5 and Phase 6

Fabric	Phase	MSW	M%R	*No*	*Wt*	*Mv*	*RE*
G01	5a	26.01	12.46	*123*	*3199*	*13*	*162*
G01	5b	25.02		*46*	*1151*	*3*	*62*
G01	5d	14.58		*14*	*204*	*2*	*24*
G01	6	18.73	12.22	*181*	*3390*	*23*	*281*
G11	5a	17.04	4.00	*73*	*1244*	*12*	*48*
G11	5d	15.23		*31*	*472*	*4*	*31*
G11	6	14.01		*203*	*2844*	*5*	*32*
R09	5A	22.81	11.50	*43*	*981*	*10*	*115*
R09	5d	50.76		*21*	*1066*	*2*	*109*
R09	6	44.23	9.13	*22*	*973*	*8*	*73*
Z11	6	12.08	6.14	*188*	*2271*	*37*	*227*

Table A4.34: Mean sherd weight (MSW) and Mean percentage rim (M%R) for phases 5 and 6

Fabric	Phase	MSW	M%R	*No*	*Wt*	*MV*	*RE*
G01	5	24.13	13.78	*206*	*4970*	*18*	*248*
G01	6	18.73	12.22	*181*	*3390*	*23*	*281*
G11	5	16.00	6.65	*135*	*2159*	*20*	*133*
G11	6	14.01	6.40	*203*	*2844*	*5*	*32*
R09	5	27.94	17.67	*94*	*2626*	*15*	*265*
R09	6	44.23	9.13	*22*	*973*	*8*	*73*
Z11	6	12.08	6.14	*188*	*2271*	*37*	*227*

Table A4.35: Comparison of MSW and M%R by context type for phases 5 and 6

		Phase 5	Phase 6	Phase 5	Phase 6				
Fabric Code	**Context type**	**MSW**	**MSW**	**M%R**	**M%R**	*No (5)*	*No (6)*	*MV(5)*	*MV(6)*
G01	**Ditch**	22.94	16.00	12.33	7.00	*32*	*4*	*3*	*1*
G01	**Feature**	22.26	17.63	7.00	15.60	*39*	*32*	*1*	*5*
G01	**Layer**	21.24	18.48	19.57	11.92	*71*	*124*	*7*	*13*
G01	**Pit**	29.92	22.38	14.00	10.25	*50*	*21*	*3*	*4*
G11	**Ditch**	21.90	13.58	4.00	6.50	*21*	*12*	*3*	*2*
G11	**Feature**	44.00	13.30		5.00	*1*	*118*	*0*	*1*
G11	**Layer**	13.71	14.45	6.86	7.00	*62*	*44*	*7*	*1*
G11	**Pit**	16.44	16.41	7.22	7.00	*46*	*29*	*9*	*1*

		Phase 5	Phase 6	Phase 5	Phase 6				
Fabric Code	**Context type**	**MSW**	**MSW**	**M%R**	**M%R**	***No (5)***	***No (6)***	***MV(5)***	***MV(6)***
R09	**Ditch**	12.91	97.00	14.00		*34*	*1*	*5*	*0*
R09	**Layer**	16.73	49.88	12.00	9.13	*198*	*16*	*1*	*8*
R09	**Pit**	49.5	12.33	40.00		*24*	*3*	*3*	*0*

Table A4.36: Fabric composition of assemblages at Quarry Farm (QF), Scorton (Scor), Catterick Town (Cat), Piercebridge (PB), Newton Kyme (NK), West Heslerton cemetery (WH) & Parlington Hollins (PH) & Sancton (Sanc) by sherd count

Site/Fabric group	Scor	Cat	QF	PB	WH	PH	NK	Sanc
AS1+AS 11+AS 15 SST	36.2%	43.9%	-	48.5%?	35%	76.6%	52%	48.8
AS 6+AS 7+AS 8 CHARN	50.0%	46.9%	100.0%	50.5%	17%	14.3%	28%	14.7
AS 3 Grog	-	0.2%	-	-	-	-	-	1.2%
AS 5 Ironstone	-	0.5%	-	-	-	9.1%	-	4.9%
AS 12 Organics & some sand	4.4%	0.7%	-	-	4%?	-	13%	5.9%
AS 2+AS 9+AS10+ AS 13 Calcareous	7.3%	7.0%	-	0	43%	-	1%	22.1
Shell	-	-	-	1%	-	-	-	-

Table A4.37: Sites yielding Anglian pottery within a 20 mile radius of Quarry Farm

Name	County	Archive Site No.	Only Card Index	Nat. Grid	No. of Stamps
Catterick	N. Yorks	252	—	SE 2497	5
Darlington	Co. Durham	031	—	NZ 2915	1
Piercebridge	Co. Durham	351	—	NZ 2116	2
Ingleby Barwick: High Leven	Co. Durham	388	Photos	NZ 4512	4
Scorton	N. Yorks	386	—		8

Table A4.38: Rarity of stamps

1–20	Rare	21–40	Uncommon
41–70	Fairly common	71–100	Reasonably common
100–150	Common	151+	Very common

Table A4.39: Pottery submitted for thin section and chemical analysis

TSNO	Site code	Context	REFNO	cname
V4008	QF03	641		G11
V4009	QF03	1007		G11
V4010	QF03	271		G41
V4011	QF03	719 AND 711		G41
V4012	QF03	U/S?		Z11
V4013	QF03	U/S?		Z11
V4014	QF03	114		Z11
V4015	QF03	136		Z11

Table A4.40: ICPS analysis of crushed samples

Element	G11	G41	Z11 1	Z11 2
CaO	Higher than remainder			
Na2O				Higher than remainder
K2O				Lower than remainder
TiO				Higher than remainder
P2O5	Higher than remainder			
Ba	Higher than remainder			Lower than remainder
Cr	Lower than remainder			
Cu				Higher than remainder
Li				Higher than remainder
Zr		Lower than remainder		Higher than remainder
Ce	Higher than remainder			

Table A4.41: Factor analysis of Quarry Farm ICPS results

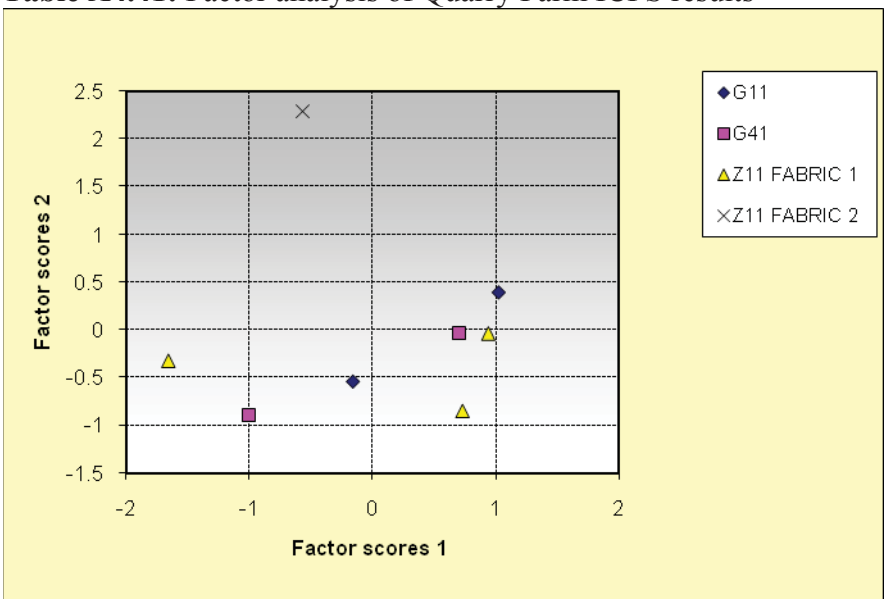


Table A4.42: Factor analysis of Quarry Farm ICPS results

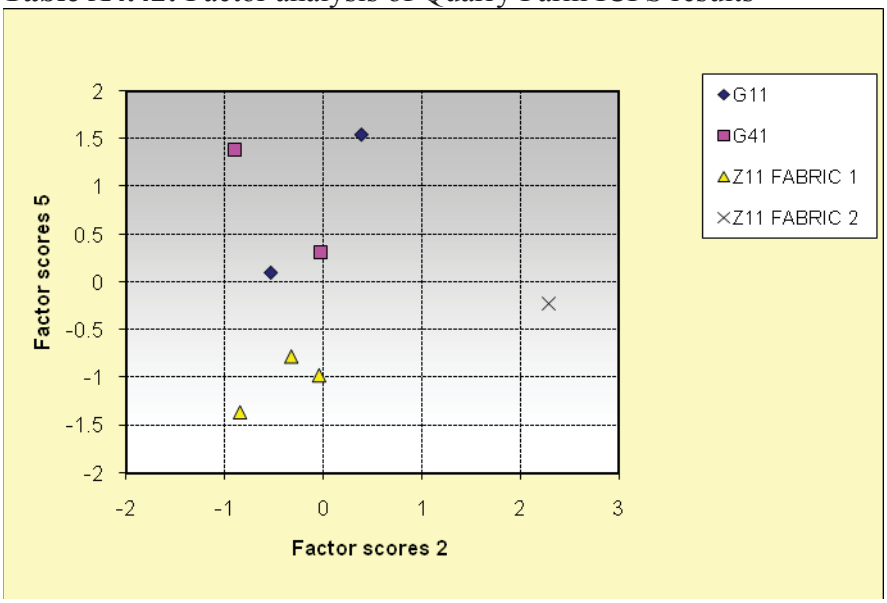


Table A4.43: Weighting of elements in Quarry Farm ICPS analyses

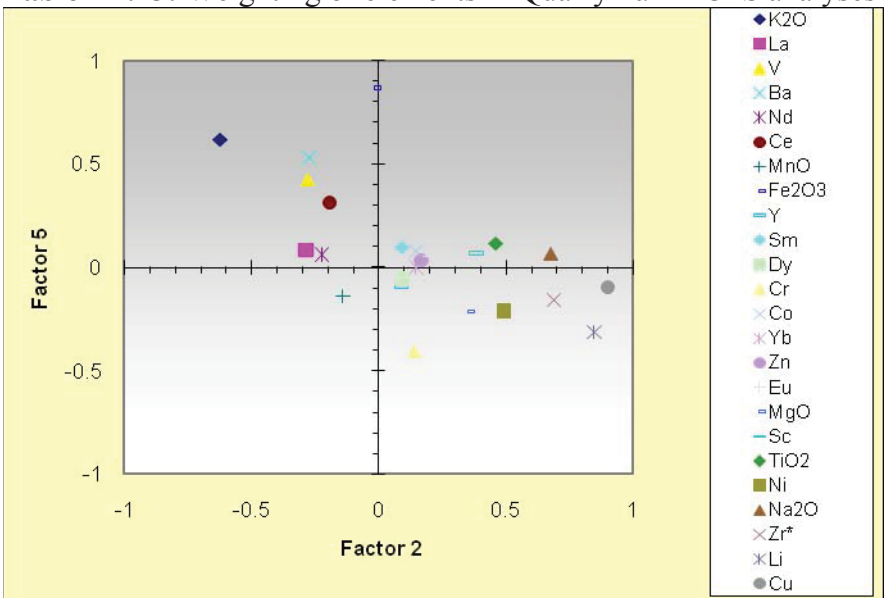


Table A4.44: Factor analysis of Quarry Farm and Piercebridge fabrics

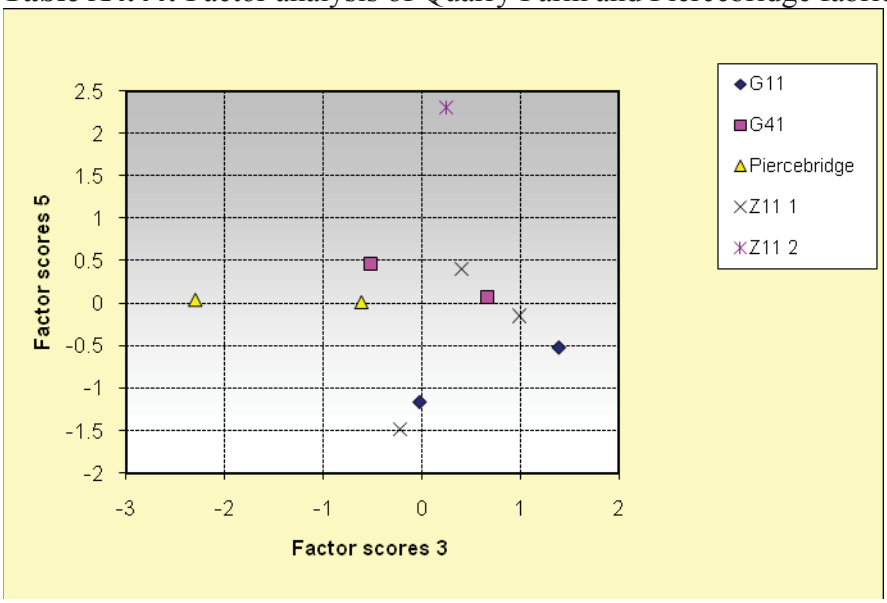


Table A4.45: Early AS fabrics used in comparative ICPS analysis

Locality	Site Name	Site code	Total
Catterick	Catterick Bridge 1983	5128	7
	Catterick Triangle 1987-8	5563	8
Norton	Norton A.S. Cemetery	Norton	4
Piercebridge		HH69	2
		HH70	3
		HS76	6
		HS77	4
		HS78	3
		HS80	1
Scorton	Scorton Quarry	Hbs98	11
West Lilling		OSA99EX03	11
York	46-54 Fishergate	1985-6.9	13
	Blue Bridge Lane	YBB01	8
	Heslington Hill	YHS 02	6

Table A4.46: Factor analysis of Quarry Farm and early AS fabrics

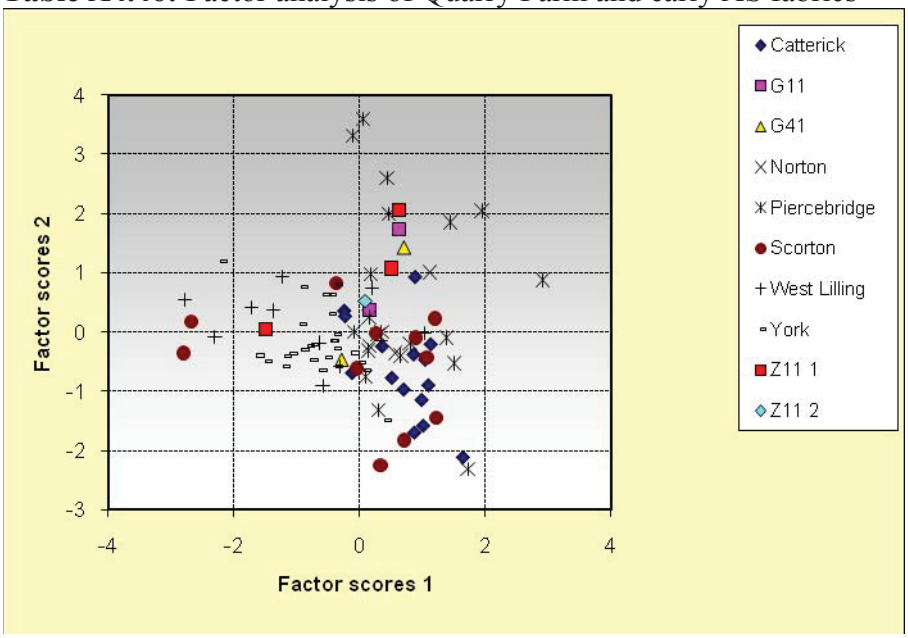


Table A4.47: Factor analysis of Quarry Farm and early AS fabrics

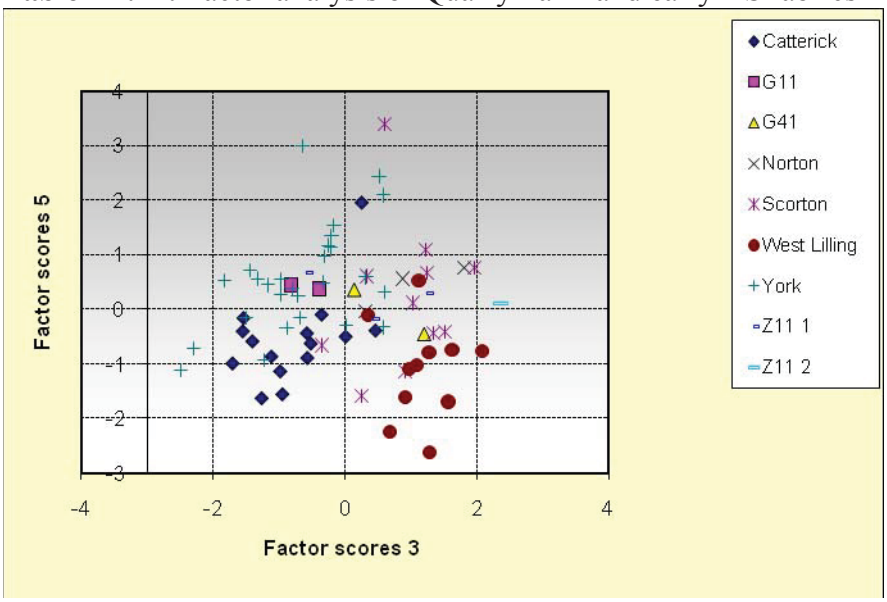


Table A4.48: Major elements measured by ICPS analysis

TSNO	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO
V4008	17.11	3.97	1.21	1.1	0.44	1.98	0.59	1.65	0.106
V4009	13.74	4.27	1.02	1.19	0.49	1.62	0.46	1.75	0.036
V4010	15.67	5.49	0.84	0.46	0.4	2.31	0.73	1.09	0.039
V4011	14.67	4.33	1.06	0.94	0.48	1.77	0.52	1.29	0.063
V4012	15.77	3.53	1.03	0.97	0.6	1.91	0.51	1.22	0.041
V4013	16.83	3.77	1.06	0.85	0.43	1.67	0.64	1.17	0.021
V4014	16.99	4.46	1.17	1.07	0.67	1.51	0.84	0.34	0.034
V4015	16.45	3.92	1.33	0.89	0.42	1.8	0.63	0.17	0.128

Table A4.49: Minor elements measured by ICPS analysis

Ba	Cr	Cu	Li	Ni	Sc	Sr	V	Y	Zr*	La	Ce	Nd	Sm	Eu	Dy	Yb	Pb	Zn	Co
880	80	21	94	41	16	159	87	26	67	48	103	50	10	2	5	3	20	171	18
807	76	23	67	42	14	154	75	28	60	42	87	44	10	2	5	3	22	176	10
691	90	23	59	28	13	110	112	15	52	40	79	40	7	1	3	2	24	95	11
590	88	32	83	45	14	111	84	29	46	44	86	46	10	2	5	3	21	149	13
609	113	15	81	34	13	192	83	16	59	36	66	37	6	1	3	2	18	177	12
603	101	30	76	42	15	118	97	32	63	51	91	52	10	2	5	3	27	154	10
547	105	75	120	51	16	115	95	24	82	41	79	42	9	2	4	3	22	150	14
792	123	33	92	60	17	105	93	31	70	48	99	50	11	2	6	3	17	147	13

Table A4.50: Summary of the dates of all the samian vessels from Quarry Farm 2003

Date Range	Period	Totals
c AD 120-140	Hadrianic	1
c AD 120-150	Hadrianic/early Antonine	1
c AD 120-200	Hadrianic/Antonine	13
c AD 130-200	Hadrianic/Antonine	1
c AD 140-200	Antonine	5
c AD 150-200	Antonine	9
c AD 160-200	Mid-late Antonine	4
c AD 160-230	Mid Antonine/early 3rd century	3
c AD 165-240	Mid-late Antonine/early-mid 3rd century	1
c AD 170-200	Late Antonine	1
c AD 180-250	Late Antonine/mid 3rd century	1
c AD 220-260	Mid 3rd century	1
Total:		**41**

Table A4.51: The incidence of samian sherds from Quarry Farm, 2003, by site phase (pre Phase 5a; there were no instances from phases 3d)

Date of Samian Sherds		Occurrence of these sherds by Phase			
Date Range	**Period**	**3a**	**3b**	**3c**	**4**
c AD 120-140	Hadrianic			1	
c AD 120-200	Hadrianic/Antonine	1		1	1
c AD 150-200	Antonine		1	2	1
c AD 170-200	Late Antonine		1		

Table A4.52: The incidence of samian from Quarry Farm, 2003, by site phase, from Phase 5a, wherein all sherds will be residual

Date of Samian Sherds		Occurrence of these sherds by Phase					
Date Range	**Period**	**5a**	**5b**	**5c**	**5d**	**6**	**7**
c AD 120-150	Hadrianic/early Antonine					1	
c AD 120-200	Hadrianic/Antonine	1	2	1	2	2	1
c AD 140-200	Antonine		1				1
c AD 150-200	Antonine	1	1	1			1
c AD 160-200	Mid-late Antonine		1	1		1	1
c AD 160-230	Mid Antonine/early 3rd cent.	1	1				
c AD 165-240	Mid-late Antonine/ early-mid 3rd century					1	
c AD 180-250	Late Antonine/mid 3rd cent.				1		
c AD 220-260	Mid 3rd century						1

Table A4.53: The composition of the samian sample from Quarry Farm, 2003: numbers of types represented

Source: / Form Type:	Central Gaulish: Lezoux	East Gaulish: Rheinzabern
Cups:		
Drag. 33	4	2
Decorated Bowls:		
Drag. 30	1	
Drag. 37	5	1
Plain Bowls:		
Drag. 31R	4	
Drag. 38	1	
Curle 23	1	
Bowls or Dishes:		
Indeterminate	2	
Dishes:		
Drag. 18/31	2	
Drag. 31	10	3
Ludowici Ti'		1
Totals:	**30**	**7**
(Form not identifiable)	4	

Table A4.54: Clay tobacco pipes

Context	Description
U/S	5 stem fragments
1	4 stem fragments; 1 part bowl and spur
145	1 stem fragment
492	4 stem fragments; 1 with makers stamp **'… LEYG '**; also 1 clay marble
530	1 stem fragment

Table A4.55: Fabric descriptions

Code	Properties
A01	Dressel 20 amphorae, Tomber and Dore (1998) BAT AM1. Guadalquivir, Southern Spain. Evans northern fabric series fabric A01.
B01	Black Burnished ware I, Tomber and Dore (1998) DOR BB 1. Williams (1977). Source, Poole Harbour, Dorset. Evans northern fabric series fabric B01.
B10	Black Burnished ware 2, (Williams 1977), Tomber and Dore (1998) COO BB 2. Sources; Essex and Kent. Evans northern fabric series fabric B10.
C11	A wheelmade reduced fabric with a black core, margins and surfaces with common-abundant shell-temper *c*0.5-3.5mm.
C12	Dalesware, Tomber and Dore (1998) DAL SH. A handmade hard, dark greyware, with common shell fragments c1-10mm, no visible sand temper. Source - north Lincolnshire. Evans northern fabric series fabric G10.
C13	Southern Shell-Tempered ware. Tomber and Dore (1998) HAR SH. A wheelmade reduced ware with abundant shell inclusions, probably fossil. Southern Shell-Tempered ware, probably from Harrold (Brown 1994). Evans northern fabric series fabric G82.
F01	Nene Valley colour-coated ware, parchment ware fabric. (Howe *et al.* 1980), Tomber and Dore (1998) LNV CC. Evans northern fabric series fabric F111
F02	Nene Valley colour-coated ware, oxidised ware fabric. (Howe *et al.* 1980), Tomber and Dore (1998) LNV CC. Evans northern fabric series fabric F112

Code	Properties
F05	An oxidised dark brown colour-coated ware with a dark grey core and orange margins. It is hard with an irregular fracture, with common sand *c*0.2-1mm, some black ironstone *c*0.2-2mm and some fine silver mica.
F06	Central Gaulish 'Rhenish' ware. Tomber and Dore (1998) CNG BS. Evans northern fabric series fabric F101
F11	A clay pellet roughcast fabric with an orange core and dark brown margins and surfaces. Hard with common coarse translucent quartz sand *c*0.2-0.4mm and some red ironstone *c*0.2-0.5mm in a 'clean' matrix.
F21	Oxfordshire red colour-coated ware (Young 1977). Tomber and Dore (1998) OXF RS. Evans northern fabric series fabric F20.
G01	East Yorkshire calcite gritted ware. Tomber and Dore (1998) HUN CG. A handmade generally black fabric; abundant calcite tempering c. 0.5-5mm and some brown-black ironstone inclusions up to 5mm. Evans northern fabric series fabric G01.
G02	A handmade black fabric; abundant moderate/coarse sand temper c. 0.3-0.4mm and very occasional calcite inclusions c. 0.5-5mm. Evans (1985) fabric 007/168. Source - East Yorkshire. Evans northern fabric series fabric G05
G03	A reduced handmade fabric with a black core, margins and surfaces with common fine calcite voids *c*0.2-0.4mm.
G11	A handmade gritty fabric with a black core, margins and brown-black surfaces, with common sub-rounded quartz *c*0.3-0.5mm and some very fine gold mica. Local.
G13	A handmade reduced fabric with dark grey-brown core, margins and surfaces, with some coarse angular quartz *c*1-2mm in a 'clean' matrix and some fine gold mica. Local
G15	A handmade gritty fabric with a black core and inner margin and dark reddish brown margin and exterior. Hard with an irregular fracture with abundant organic temper voids especially on the surface with carbonised organic voids *c*0.5-1mm in length in a matrix with common fine sand c0.1mm.
G31	A handmade reduced fabric with a black core and margins and brown to grey surfaces with some quartz *c*0.2-0.5mm and some black and white granitic inclusions *c*2mm and some fine gold mica.
G41	A wheelmade gritted ware with a grey core, sometimes orange margins, and grey surfaces, with common angular quartz *c*0.5-1mm and some fine gold mica. Local.
M01	Crambeck parchment ware mortaria (Evans 1989), Tomber and Dore (1998) CRA PA Evans northern fabric series fabric M192
M02	Crambeck early fine sandy mortaria (Evans 1989). Evans northern fabric series fabric M191
M03	A whiteware mortarium with a white core, margins and surfaces, with common moderate sand *c*0.2-0.3mm and some red ironstone *c*0.2-0.3mm. Trituration grits; none survive.
M04	Mancetter-Hartshill mortaria, Tomber and Dore (1998) MAH WH. A fairly hard white mortarium fabric; some fine grog inclusions c. 0.2mm and some very fine sand >0.1mm as surfaces appear finely micaceous. Trituration grits - red, black and brown grog *c*.1-4mm.
M05	A buff mortarium with buff-orange core, margins and surfaces, with some angular quartz *c*0.5mm and occasional brown ironstone c. 1-2mm. Trituration grits; none survive. Source-Noyon, Oise, Gallia Belgica. Tomber and Dore (1998) NOG WH4.
M11	An oxidised fabric with an orange-brown core, margins and surfaces, with some fine vegetable (?) temper voids *c*0.3-1mm and occasional brown ironstone inclusions *c*0.5-0.7mm. Trituration grits; angular white quartz and feldspar 2-4mm and some large gold mica. Local
M12	An oxidised fabric with a black core and orange-brown margins and surfaces, with common fairly fine sand *c*0.2mm. Trituration grits; angular black slag *c*2-3mm. Source; Piercebridge or Catterick. Tomber and Dore (1998) CTR WS?
M21	An oxidised white-slipped mortarium with a reddish brown core and margins with common – abundant subangular quartz *c*0.3-0.5mm and moderate black and red ironstone *c*0.2mm. Trituration grits; common black angular slag *c*1-7mm. Tomber and Dore (1998) CTR WS.
M22	An oxidised white-slipped mortarium fabric with a pale grey core and orange margins with a thin white slip with some sand *c*0.3-0.5mm in a 'clean' matrix. Trituration grits; none survive
M23	A white slipped oxidised fabric with an orange core and margins and white-slipped surfaces, with some common sand *c*0.3-0.5mm and occasional brown ironstone *c*0.5mm in a 'clean' matrix. Trituration grits; angular white quartz *c*2-5mm.

Code	Properties
O01	An oxidised fabric with an orange core, margins and surfaces, 'clean' with occasional fine sand *c*0.1mm.
O12	An oxidised fabric with orange core, margins and surfaces with common fine sand *c*0.1-0.2mm.
O13	An oxidised fabric with a grey core and orange margins and surfaces, with common fine sand *c*0.1-0.2mm and occasional fine gold mica. Local.
O14	An oxidised fabric with orange-brown core, margins and surfaces, with common sand c. 0.2-0.5mm.
O31	An oxidised fabric with orange core, margins and surfaces, with common-abundant fine sand *c*0.1mm and common fine gold mica. Local.
P01 WAS G14	A handmade reduced fabric with a black core and brown margins and surfaces, poorly levigated, with angular black and white granitic stone inclusions c1-7mm. Local. Possibly prehistoric.
Q01	An oxidised white-slipped fabric with an orange core, sometimes grey margins and white-slipped surfaces, with common moderate sand c. 0.3-0.4mm and some black ironstone *c* 0.5-1mm.
Q02	An oxidised white-slipped fabric with orange core and margins and white-slipped exterior, hard, with common fairly fine sand *c*0.2mm.
R09	Crambeck greyware (Corder 1936; Evans 1989), Tomber and Dore (1998) CRA RE. Evans northern fabric series fabric R09.
R11	A greyware with a black core, sometimes brown margins and grey-black surfaces, with common sand *c*0.2-0.3mm.
R12	A greyware with a grey core, margins and surfaces, hard, with a 'crisp' fracture, with common angular quartz sand *c*0.3-0.4mm and some black ironstone *c*0.2-0.4mm.
R13	A greyware with a blue-grey core and mid grey margins and surfaces, with abundant fine sand *c*0.1mm and occasional black rounded ironstone up to 0.3mm.
R14	A reduced fabric with a black core, margins and surfaces, with common sub-angular sand *c*0.3-0.5mm.
R15	A grey ware with a dark brown core, black margins and dark brown-black surfaces with common sub-rounded translucent quartz sand at *c.* 0.5mm and some fine organic inclusions, and occasional silty inclusions up to 2mm.
R21	A gritted greyware with a grey core, margins and surfaces with some sand *c*0.3-0.5mm in a 'clean' matrix and occasional large angular quartz up to 2mm, also some fine silver mica.
R22	A greyware with a blue-grey core and margins and mid grey surfaces, hard, with common fine sand *c*0.1mm
R23	A greyware with a mid grey core, pale grey margins and dark grey surfaces, 'soapy' and 'clean' with common fine silver mica.
R24 = R23	
R25	**A** greyware with a mid grey core, margins and surfaces, with abundant sub-angular sand *c*0.2-0.4mm. Cf. Evans northern fabric series fabric R133.
R26	A greyware with a mid grey core, margins and surfaces, with some moderate sand *c*0.3mm and occasional-some rounded calcareous inclusions *c*0.2-0.4mm in a 'clean' matrix.
R32 = R23	
S22	Central Gaulish samian ware. Tomber and Dore (1998) LEZ SA2.
S31	East Gaulish, Rheinzabern samian ware. Tomber and Dore (1998) RHZ SA.
W01	A whiteware with a pink core and margins and buff-white surfaces, with common fine sand >0.1mm and some fine silver mica.
W02	A whiteware with buff-white core, margins and surfaces, 'soapy' and 'clean'.
W03	Crambeck parchment ware (Evans 1989). Tomber and Dore (1998) CRA PA.
Z11	A handmade reduced fabric with a black core, margins and surfaces, with common abundant angular quartz inclusions *c*0.2-1mm and some gold mica up to 0.2mm.
Z20	Medieval
Z30	Post-medieval.

Table A4.56: Fabric occurrence by phase

Fabric Code	Phase	No%	Wt%	MV%	RE%	BE%	Sno	Swt	Smv	Sre	Sbe
G01	2	4.17%	1.53%				24	720	0	0	
P01	2	95.83%	98.47%				24	720	0	0	
A01	3a	4.17%	13.74%	0.00%	0.00%		72	1368	7	95	37
F01	3a	4.17%	2.34%	0.00%	0.00%		72	1368	7	95	37
G01	3a	20.83%	9.50%	14.29%	8.42%		72	1368	7	95	37
G11	3a	37.50%	48.17%	42.86%	53.68%		72	1368	7	95	37
G41	3a	1.39%	0.58%	0.00%	0.00%		72	1368	7	95	37
M01	3a	1.39%	10.53%	14.29%	20.00%		72	1368	7	95	37
M03	3a	1.39%	2.34%	0.00%	0.00%		72	1368	7	95	37
O12	3a	1.39%	0.22%	0.00%	0.00%		72	1368	7	95	37
R11	3a	9.72%	7.16%	14.29%	2.11%	35.14%	72	1368	7	95	37
R12	3a	1.39%	0.22%	0.00%	0.00%		72	1368	7	95	37
R13	3a	1.39%	1.32%	14.29%	15.79%	64.86%	72	1368	7	95	37
R21	3a	2.78%	0.44%	0.00%	0.00%		72	1368	7	95	37
R22	3a	1.39%	1.83%	0.00%	0.00%		72	1368	7	95	37
S22	3a	1.39%	0.07%	0.00%	0.00%		72	1368	7	95	37
Z21	3a	9.72%	1.54%	0.00%	0.00%		72	1368	7	95	37
B10	3b	1.10%	0.86%	20.00%	4.86%		91	1857	5	144	71
G01	3b	53.85%	54.50%	0.00%	0.00%	73.24%	91	1857	5	144	71
G11	3b	31.87%	33.39%	40.00%	20.83%	26.76%	91	1857	5	144	71
G41	3b	4.40%	4.15%	0.00%	0.00%		91	1857	5	144	71
R11	3b	1.10%	0.22%	0.00%	0.00%		91	1857	5	144	71
R22	3b	5.49%	5.39%	20.00%	69.44%		91	1857	5	144	71
S22	3b	2.20%	1.51%	20.00%	4.86%		91	1857	5	144	71
B01	3c	0.68%	0.04%	0.00%	0.00%		147	7139	6	213	204
F01	3c	0.68%	0.22%	0.00%	0.00%		147	7139	6	213	204
F02	3c	0.68%	0.01%	0.00%	0.00%		147	7139	6	213	204
G01	3c	15.65%	3.14%	0.00%	0.00%		147	7139	6	213	204
G11	3c	58.50%	88.78%	16.67%	46.95%	26.96%	147	7139	6	213	204
G41	3c	2.04%	0.35%	16.67%	4.23%		147	7139	6	213	204
R11	3c	8.16%	4.51%	0.00%	0.00%	67.65%	147	7139	6	213	204
R12	3c	7.48%	0.74%	33.33%	35.68%		147	7139	6	213	204
R14	3c	0.68%	0.14%	0.00%	0.00%		147	7139	6	213	204
R21	3c	1.36%	0.20%	0.00%	0.00%	4.90%	147	7139	6	213	204
R22	3c	0.68%	0.17%	0.00%	0.00%		147	7139	6	213	204
R23	3c	0.68%	1.50%	16.67%	11.74%		147	7139	6	213	204
S22	3c	2.72%	0.20%	16.67%	1.41%	0.49%	147	7139	6	213	204
A01	3d	1.18%	8.35%	0.00%	0.00%		85	1641	5	94	67
B01	3d	1.18%	0.73%	20.00%	5.32%		85	1641	5	94	67
B10	3d	1.18%	3.53%	20.00%	8.51%	11.94%	85	1641	5	94	67
G01	3d	24.71%	32.36%	0.00%	0.00%	53.73%	85	1641	5	94	67
G11	3d	52.94%	46.74%	20.00%	18.09%	16.42%	85	1641	5	94	67
O12	3d	1.18%	0.24%	20.00%	22.34%		85	1641	5	94	67
R11	3d	1.18%	0.79%	0.00%	0.00%	17.91%	85	1641	5	94	67
R12	3d	1.18%	0.91%	0.00%	0.00%		85	1641	5	94	67
R13	3d	9.41%	5.00%	20.00%	45.74%		85	1641	5	94	67
R21	3d	5.88%	1.34%	0.00%	0.00%		85	1641	5	94	67
B01	4	21.25%	21.83%	18.18%	49.34%		80	1214	11	152	83

Fabric Code	Phase	No%	Wt%	MV%	RE%	BE%	Sno	Swt	Smv	Sre	Sbe
F21	4	1.25%	0.49%	0.00%	0.00%		80	1214	11	152	83
G01	4	18.75%	11.53%	18.18%	15.13%		80	1214	11	152	83
G02	4	3.75%	3.05%	0.00%	0.00%		80	1214	11	152	83
G11	4	26.25%	19.19%	18.18%	9.87%		80	1214	11	152	83
G41	4	1.25%	0.99%	0.00%	0.00%		80	1214	11	152	83
M02	4	1.25%	7.91%	9.09%	4.62%		80	1214	11	152	83
M12	4	1.25%	4.78%	9.09%	5.92%		80	1214	11	152	83
O12	4	1.25%	0.33%	0.00%	0.00%		80	1214	11	152	83
R09	4	1.25%	0.82%	9.09%	3.29%		80	1214	11	152	83
R11	4	1.25%	0.91%	9.09%	7.24%		80	1214	11	152	83
R12	4	1.25%	1.48%	0.00%	0.00%		80	1214	11	152	83
R25	4	1.25%	3.21%	9.09%	4.62%	13.25%	80	1214	11	152	83
S22	4	2.50%	1.98%	0.00%	0.00%	24.10%	80	1214	11	152	83
W01	4	1.25%	0.91%	0.00%	0.00%		80	1214	11	152	83
Z211	4	6.25%	9.06%	0.00%	0.00%	12.05%	80	1214	11	152	83
Z23	4	7.50%	10.30%	0.00%	0.00%	50.60%	80	1214	11	152	83
Z31	4	1.25%	1.24%	0.00%	0.00%		80	1214	11	152	83
A01	5a	0.22%	0.17%	0.00%	0.00%		449	9639	67	903	630
B01	5a	0.22%	0.02%	0.00%	0.00%		449	9639	67	903	630
B10	5a	0.22%	0.16%	1.49%	1.11%		449	9639	67	903	630
C11	5a	0.22%	0.25%	0.00%	0.00%		449	9639	67	903	630
C12	5a	0.67%	0.19%	2.99%	3.10%		449	9639	67	903	630
C13	5a	1.11%	0.90%	2.99%	1.99%		449	9639	67	903	630
F01	5a	1.11%	3.49%	1.49%	11.07%	31.75%	449	9639	67	903	630
F11	5a	0.22%	0.05%	0.00%	0.00%		449	9639	67	903	630
G01	5a	31.18%	36.68%	16.42%	16.61%	35.56%	449	9639	67	903	630
G02	5a	6.01%	6.47%	8.96%	10.96%	2.06%	449	9639	67	903	630
G11	5a	17.82%	13.90%	17.91%	5.32%	9.68%	449	9639	67	903	630
G41	5a	6.46%	4.80%	8.96%	11.41%	4.92%	449	9639	67	903	630
M01	5a	1.34%	2.04%	4.48%	5.54%	5.56%	449	9639	67	903	630
M02	5a	0.22%	0.36%	1.49%	0.89%		449	9639	67	903	630
M04	5a	1.34%	1.92%	1.49%	1.55%		449	9639	67	903	630
M05	5a	0.22%	0.27%	1.49%	1.00%		449	9639	67	903	630
M21	5a	0.22%	0.79%	1.49%	1.33%		449	9639	67	903	630
M22	5a	0.22%	0.11%	0.00%	0.00%		449	9639	67	903	630
O14	5a	0.45%	0.07%	0.00%	0.00%		449	9639	67	903	630
O31	5a	0.22%	0.01%	0.00%	0.00%		449	9639	67	903	630
Q02	5a	0.22%	0.04%	0.00%	0.00%		449	9639	67	903	630
R09	5a	12.69%	13.54%	16.42%	14.17%	3.17%	449	9639	67	903	630
R11	5a	2.67%	1.22%	1.49%	1.66%		449	9639	67	903	630
R12	5a	1.78%	0.57%	0.00%	0.00%		449	9639	67	903	630
R13	5a	6.46%	6.89%	2.99%	3.88%		449	9639	67	903	630
R14	5a	0.45%	0.16%	1.49%	0.44%		449	9639	67	903	630
R21	5a	1.11%	1.70%	1.49%	4.65%	3.33%	449	9639	67	903	630
R22	5a	0.89%	1.02%	1.49%	1.66%		449	9639	67	903	630
R23	5a	1.56%	1.53%	1.49%	1.00%	3.97%	449	9639	67	903	630
S22	5a	0.45%	0.03%	0.00%	0.00%		449	9639	67	903	630
S31	5a	0.22%	0.10%	1.49%	0.66%		449	9639	67	903	630
W01	5a	0.22%	0.09%	0.00%	0.00%		449	9639	67	903	630

Fabric Code	Phase	No%	Wt%	MV%	RE%	BE%	Sno	Swt	Smv	Sre	Sbe
W03	5a	0.22%	0.04%	0.00%	0.00%		449	9639	67	903	630
Z21	5a	0.22%	0.01%	0.00%	0.00%		449	9639	67	903	630
Z22	5a	0.67%	0.30%	0.00%	0.00%		449	9639	67	903	630
Z23	5a	0.22%	0.04%	0.00%	0.00%		449	9639	67	903	630
Z32	5a	0.22%	0.05%	0.00%	0.00%		449	9639	67	903	630
A01	5b	0.87%	16.47%	0.00%	0.00%		115	3012	15	178	213
C12	5b	1.74%	3.75%	6.67%	15.17%		115	3012	15	178	213
F02	5b	0.87%	0.03%	0.00%	0.00%		115	3012	15	178	213
F05	5b	0.87%	0.07%	6.67%	2.81%		115	3012	15	178	213
F06	5b	0.87%	0.13%	0.00%	0.00%		115	3012	15	178	213
F21	5b	0.87%	0.13%	6.67%	2.25%		115	3012	15	178	213
G01	5b	40.00%	38.21%	20.00%	34.83%	20.66%	115	3012	15	178	213
G02	5b	3.48%	2.52%	6.67%	3.37%		115	3012	15	178	213
G11	5b	10.43%	9.13%	6.67%	2.25%		115	3012	15	178	213
G13	5b	2.61%	0.43%	0.00%	0.00%		115	3012	15	178	213
G41	5b	2.61%	6.71%	0.00%	0.00%	26.29%	115	3012	15	178	213
M02	5b	2.61%	3.69%	6.67%	7.87%		115	3012	15	178	213
O01	5b	0.87%	0.30%	6.67%	3.93%		115	3012	15	178	213
O12	5b	1.74%	0.90%	0.00%	0.00%	3.29%	115	3012	15	178	213
O14	5b	0.87%	0.07%	0.00%	0.00%		115	3012	15	178	213
Q01	5b	0.87%	0.93%	0.00%	0.00%	19.25%	115	3012	15	178	213
R09	5b	10.43%	7.70%	13.33%	15.73%	10.33%	115	3012	15	178	213
R11	5b	0.87%	0.40%	0.00%	0.00%		115	3012	15	178	213
R12	5b	1.74%	1.69%	6.67%	3.93%		115	3012	15	178	213
R13	5b	0.87%	0.17%	6.67%	3.93%		115	3012	15	178	213
R14	5b	0.87%	0.10%	0.00%	0.00%		115	3012	15	178	213
R21	5b	1.74%	0.56%	0.00%	0.00%		115	3012	15	178	213
R22	5b	5.22%	1.93%	0.00%	0.00%	2.35%	115	3012	15	178	213
S22	5b	4.35%	3.45%	6.67%	3.93%	17.84%	115	3012	15	178	213
S31	5b	0.87%	0.23%	0.00%	0.00%		115	3012	15	178	213
W03	5b	0.87%	0.30%	0.00%	0.00%		115	3012	15	178	213
A01	5c	7.59%	46.25%	0.00%	0.00%		79	2108	12	131	246
B01	5c	5.06%	4.27%	8.33%	12.21%	8.13%	79	2108	12	131	246
F21	5c	1.27%	0.24%	8.33%	3.82%		79	2108	12	131	246
G01	5c	6.33%	2.85%	8.33%	6.11%		79	2108	12	131	246
G02	5c	1.27%	0.71%	0.00%	0.00%		79	2108	12	131	246
G11	5c	15.19%	3.42%	25.00%	38.17%		79	2108	12	131	246
G41	5c	10.13%	14.18%	8.33%	3.05%	14.64%	79	2108	12	131	246
M01	5c	1.27%	1.85%	0.00%	0.00%	6.91%	79	2108	12	131	246
M04	5c	1.27%	1.71%	0.00%	0.00%		79	2108	12	131	246
M11	5c	1.27%	6.17%	0.00%	0.00%	21.14%	79	2108	12	131	246
R09	5c	5.06%	1.09%	0.00%	0.00%		79	2108	12	131	246
R11	5c	2.53%	0.62%	0.00%	0.00%		79	2108	12	131	246
R12	5c	2.53%	2.28%	8.33%	12.98%		79	2108	12	131	246
R13	5c	2.53%	0.71%	8.33%	6.87%		79	2108	12	131	246
R21	5c	6.33%	1.33%	0.00%	0.00%		79	2108	12	131	246
R22	5c	11.39%	4.51%	8.33%	6.87%	10.98%	79	2108	12	131	246
R23	5c	3.80%	0.76%	0.00%	0.00%		79	2108	12	131	246
S22	5c	3.80%	0.47%	8.33%	6.11%		79	2108	12	131	246

Fabric Code	Phase	No%	Wt%	MV%	RE%	BE%	Sno	Swt	Smv	Sre	Sbe
W02	5c	7.59%	5.93%	0.00%	0.00%	38.21%	79	2108	12	131	246
Z211	5c	1.27%	0.47%	0.00%	0.00%		79	2108	12	131	246
Z32	5c	1.27%	0.09%	8.33%	3.82%		79	2108	12	131	246
Z33	5c	1.27%	0.09%	0.00%	0.00%		79	2108	12	131	246
A01	5d	2.10%	7.50%	0.00%	0.00%		143	3106	20	384	208
B01	5d	12.59%	8.44%	10.00%	6.25%		143	3106	20	384	208
C11	5d	1.40%	1.13%	0.00%	0.00%	4.81%	143	3106	20	384	208
F01	5d	4.20%	0.68%	0.00%	0.00%		143	3106	20	384	208
F02	5d	0.70%	0.03%	0.00%	0.00%		143	3106	20	384	208
F06	5d	2.80%	0.39%	0.00%	0.00%		143	3106	20	384	208
F21	5d	0.70%	0.03%	0.00%	0.00%		143	3106	20	384	208
G01	5d	10.49%	7.18%	15.00%	7.29%	12.02%	143	3106	20	384	208
G02	5d	0.70%	0.68%	0.00%	0.00%		143	3106	20	384	208
G11	5d	21.68%	15.20%	20.00%	8.07%	12.98%	143	3106	20	384	208
G13	5d	2.80%	0.58%	0.00%	0.00%		143	3106	20	384	208
M04	5d	0.70%	2.64%	5.00%	4.17%		143	3106	20	384	208
O01	5d	0.70%	0.13%	0.00%	0.00%		143	3106	20	384	208
O13	5d	0.70%	0.06%	0.00%	0.00%		143	3106	20	384	208
R09	5d	14.69%	34.32%	10.00%	28.39%	70.19%	143	3106	20	384	208
R11	5d	6.99%	2.03%	10.00%	2.86%		143	3106	20	384	208
R12	5d	2.10%	0.68%	0.00%	0.00%		143	3106	20	384	208
R13	5d	1.40%	0.19%	10.00%	2.60%		143	3106	20	384	208
R15	5d	0.70%	0.68%	5.00%	3.13%		143	3106	20	384	208
R21	5d	0.70%	0.55%	0.00%	0.00%		143	3106	20	384	208
R22	5d	1.40%	10.21%	10.00%	30.47%		143	3106	20	384	208
R26	5d	0.70%	4.76%	5.00%	6.77%		143	3106	20	384	208
S22	5d	0.70%	0.19%	0.00%	0.00%		143	3106	20	384	208
S31	5d	2.80%	0.97%	0.00%	0.00%		143	3106	20	384	208
W02	5d	2.80%	0.32%	0.00%	0.00%		143	3106	20	384	208
Z21	5d	0.70%	0.06%	0.00%	0.00%		143	3106	20	384	208
Z22	5d	0.70%	0.03%	0.00%	0.00%		143	3106	20	384	208
Z24	5d	0.70%	0.26%	0.00%	0.00%		143	3106	20	384	208
Z32	5d	0.70%	0.10%	0.00%	0.00%		143	3106	20	384	208
C11	6	0.46%	0.40%	0.96%	2.59%		868	15137	104	1235	525
C13	6	0.69%	0.64%	2.88%	3.40%		868	15137	104	1235	525
F11	6	0.23%	0.12%	0.96%	0.81%		868	15137	104	1235	525
G01	6	20.85%	22.40%	22.12%	22.75%	54.29%	868	15137	104	1235	525
G02	6	2.76%	2.95%	1.92%	3.40%	0.57%	868	15137	104	1235	525
G11	6	23.39%	18.79%	4.81%	2.59%	2.86%	868	15137	104	1235	525
G15	6	0.12%	0.13%	0.96%	0.49%		868	15137	104	1235	525
G31	6	0.46%	0.71%	0.00%	0.00%	1.90%	868	15137	104	1235	525
G41	6	9.10%	11.67%	2.88%	8.83%	10.29%	868	15137	104	1235	525
M01	6	1.15%	1.49%	3.85%	4.05%		868	15137	104	1235	525
M02	6	0.12%	0.07%	0.00%	0.00%		868	15137	104	1235	525
M12	6	0.92%	1.59%	0.96%	2.59%		868	15137	104	1235	525
O12	6	0.12%	0.35%	0.00%	0.00%		868	15137	104	1235	525
O13	6	3.57%	0.11%	0.96%	1.21%		868	15137	104	1235	525
O14	6	0.23%	0.17%	0.00%	0.00%		868	15137	104	1235	525
R09	6	2.53%	6.43%	7.69%	5.91%	21.90%	868	15137	104	1235	525

Fabric Code	Phase	No%	Wt%	MV%	RE%	BE%	Sno	Swt	Smv	Sre	Sbe
R11	6	1.15%	1.19%	3.85%	3.72%	2.29%	868	15137	104	1235	525
R12	6	1.96%	3.83%	1.92%	5.67%		868	15137	104	1235	525
R13	6	1.84%	4.38%	1.92%	2.59%		868	15137	104	1235	525
R21	6	2.42%	2.10%	0.96%	3.89%		868	15137	104	1235	525
R22	6	0.81%	1.27%	0.96%	1.94%	5.90%	868	15137	104	1235	525
R23	6	1.15%	2.50%	1.92%	3.72%		868	15137	104	1235	525
S22	6	0.46%	0.24%	0.96%	0.24%		868	15137	104	1235	525
S31	6	0.12%	0.11%	0.00%	0.00%		868	15137	104	1235	525
W02	6	0.12%	0.17%	0.00%	0.00%		868	15137	104	1235	525
W03	6	0.12%	0.39%	0.96%	1.21%		868	15137	104	1235	525
Z11	6	21.66%	15.00%	35.58%	18.38%		868	15137	104	1235	525
Z21	6	0.81%	0.40%	0.00%	0.00%		868	15137	104	1235	525
Z211	6	0.23%	0.29%	0.00%	0.00%		868	15137	104	1235	525
Z22	6	0.12%	0.03%	0.00%	0.00%		868	15137	104	1235	525
Z23	6	0.12%	0.01%	0.00%	0.00%		868	15137	104	1235	525
Z31	6	0.23%	0.07%	0.00%	0.00%		868	15137	104	1235	525

Table A4.57: Form occurrence by phase

Phase	Fabric	Form	No	Wt	MV	RE
0	B10	J1.1	1	13	1	4
0	F01	D1.1	1	10	1	9
0	G03	J1.1	2	84	1	24
0	M02	M1.1	2	89	1	17
0	M04	M1.3	2	56	1	12
0	M04	M1.4	1	77	1	8
0	M23	M1.1	1	105	1	14
0	Z11	J2.1	2	42	1	14
0	Z11	J3.2	1	14	1	3
3a	G01	J3.1	1	14	1	8
3a	G11	D1.1	1	2	1	12
3a	G11	J3.1	1	7	1	4
3a	G11	J3.2	2	125	1	35
3a	M01	M1.1	1	144	1	19
3a	R11	D1.2	1	16	1	2
3a	R13	D2.1	1	18	1	15
3b	B10	B2.1	2	32	1	14
3b	G11	J2.1	4	125	1	16
3b	G11	J3.2	3	83	1	14
3b	R22	CJ1.1	5	100	1	100
3b	S22	dr31	2	34	1	14
3c	G11	J1.1	12	1824	1	100
3c	G41	D1.1	2	19	1	9
3c	R12	BK1.1	2	11	1	11
3c	R12	J1.1	5	33	1	65
3c	R23	B2.1	1	107	1	25
3c	S22	dr31	2	12	1	6
3d	B01	D1.2	1	12	1	5
3d	B10	B1.1	2	116	1	16
3d	G11	J3.1	4	84	1	17
3d	O12	F1.1	1	4	1	21
3d	R13	J1.1	4	44	1	43
4	B01	J1.2	4	164	1	67
4	B01	J1.3	1	19	1	8
4	G01	J1.1	1	8	1	7
4	G01	J4.1	2	54	1	16
4	G11	J3.1	1	9	1	5
4	G11	J3.2	2	14	1	10
4	M02	M1.1	1	96	1	7
4	M12	M2.1	1	58	1	9
4	R09	B1.1	1	10	1	5
4	R11	B1.1	2	22	1	22
4	R25	D1.1	1	39	1	7
5a	B10	D1.1	2	30	1	20
5a	C12	J1.1	3	18	1	28
5a	C13	B1.1	4	84	1	18
5a	F01	F1.1	1	84	1	100
5a	G01	J1.1	1	22	1	7
5a	G01	J3.1	8	125	1	55
5a	G01	J3.2	1	64	1	18
5a	G01	SJ1.1	1	114	1	9
5a	G01	WMJ1.1	4	488	1	61
5a	G02	J1.1	6	203	1	51
5a	G02	J2.1	3	125	1	41
5a	G02	J3.1	1	13	1	7
5a	G11	D1.1	3	38	1	13
5a	G11	J1.2	1	5	1	6
5a	G11	J3.1	3	24	1	11
5a	G11	J3.2	1	23	1	4
5a	G11	L1.1	1	8	1	5
5a	G41	J2.1	7	190	1	92
5a	G41	J2.2	7	102	1	11
5a	M01	M1.1	5	152	1	50
5a	M02	M1.1	1	35	1	8
5a	M04	M1.3	12	370	1	28
5a	M05	M1.1	1	26	1	9

Phase	Fabric	Form	No	Wt	MV	RE
5a	M21	M1.1	1	76	1	12
5a	R09	B1.1	16	280	1	50
5a	R09	B1.3	1	197	1	24
5a	R09	B3.1	3	168	1	20
5a	R09	D2.1	1	42	1	13
5a	R09	D2.2	1	7	1	4
5a	R09	J1.1	4	36	1	17
5a	R11	B1.2	3	18	1	15
5a	R13	CJ1.1	1	44	1	25
5a	R13	D1.1	1	17	1	10
5a	R21	J1.3	1	134	1	42
5a	R22	J3.1	1	61	1	15
5a	R23	CJ1.1	1	34	1	9
5b	C12	J1.1	2	113	1	27
5b	F21	B1.1	1	4	1	4
5b	G01	J1.1	1	6	1	4
5b	G01	J3.1	3	77	1	25
5b	G01	SJ1.2	3	495	1	33
5b	G02	J3.1	1	20	1	6
5b	G11	J1.1	1	7	1	4
5b	M02	M1.1	3	111	1	14
5b	O01	B1.1	1	9	1	7
5b	R09	B1.1	1	33	1	12
5b	R09	D1.1	2	34	1	16
5b	R12	B1.1	1	35	1	7
5b	R13	J1.1	1	5	1	7
5b	S22	Bdr37	1	15	1	7
5c	B01	D2.1	2	70	1	16
5c	F21	B1.1	1	5	1	5
5c	G01	WMJ1.1	1	47	1	8
5c	G11	CJ1.1	2	9	1	30
5c	G11	J3.1	1	5	1	8
5c	G11	O1.1	2	16	1	12
5c	G41	J5.1	1	7	1	4
5c	R12	J1.2	1	47	1	17
5c	R13	BK1.1	1	9	1	9
5c	R22	J2.3	1	13	1	9
5d	B01	D1.1	1	28	1	5
5d	B01	J1.1	2	69	1	19
5d	G01	J1.1	1	19	1	4
5d	G01	J3.1	2	64	1	24
5d	G11	J1.1	1	13	1	5
5d	G11	J1.2	1	25	1	5
5d	M04	M1.1	1	82	1	16
5d	R09	B1.1	6	790	1	109
5d	R11	B1.1	2	36	1	14
5d	R11	D1.1	1	9	1	4
5d	R13	D1.1	1	5	1	7
5d	R13	D2.2	1	1	1	3
5d	R15	J1.1	1	21	1	12
5d	R22	F1.1	1	298	1	100
5d	R22	J2.3	1	19	1	17
5d	R26	B1.1	1	148	1	26
6	C11	L1.1	2	56	1	32
6	C13	J1.1	2	42	1	19
6	C13	J1.2	2	52	1	23
6	F11	BK1.1	2	18	1	10
6	G01	B1.1	1	37	1	9
6	G01	D1.1	2	116	1	22
6	G01	J1.1	5	33	1	18
6	G01	J3.1	16	482	1	157
6	G01	J3.2	4	95	1	31
6	G01	J4.1	2	44	1	26
6	G01	SJ1.2	3	216	1	23
6	G01	WMJ1.1	1	46	1	6
6	G02	J1.1	2	89	1	42
6	G11	D1.1	3	29	1	14
6	G11	J1.2	1	11	1	7
6	G11	J2.1	1	9	1	5
6	G11	J3.1	2	7	1	6
6	G41	J1.1	6	342	1	97
6	G41	J2.1	1	26	1	12
6	M01	M1.1	5	123	1	35
6	M01	M1.3	1	19	1	7
6	M01	M2.1	1	23	1	8
6	M12	M1.1	4	226	1	32
6	O13	D1.1	31	17	1	15
6	R09	B1.1	5	451	1	46
6	R09	D2.1	1	29	1	10
6	R09	D2.2	1	11	1	6
6	R09	D3.1	1	135	1	11
6	R11	D1.1	1	5	1	4
6	R11	D2.1	1	4	1	6
6	R11	D3.1	1	30	1	12
6	R11	J2.1	2	46	1	24
6	R12	SJ1.1	3	367	1	70
6	R13	B1.1	1	70	1	12
6	R13	CJ1.1	1	42	1	20
6	R21	J1.1	4	99	1	48
6	R22	J1.2	2	35	1	24
6	R23	B1.1	3	111	1	35
6	R23	J2.2	1	7	1	11
6	S22	Bdr31r	2	8	1	6
6	W03	B1.1	1	59	1	15
6	Z11	B1.1	1	20	1	7
6	Z11	J1.1	7	145	1	40
6	Z11	J2.1	5	32	1	19
6	Z11	J3.1	1	25	1	4
6	Z11	J3.2	4	81	1	24
6	Z11	J4.1	1	64	1	9
6	Z11	J5.1	10	118	1	54
6	Z11	J5.2	2	42	1	22
6	Z11	J6.1	1	17	1	4
7	M04	M1.2	2	198	1	33
7	S22	dr37	1	13	1	7

Table A4.58: Non-ferrous assemblage divided by type and phase. This excludes stray finds of the Bronze Age punch and medieval items

	Phase				
Category	*3/4*	*5*	*6*	*unstrat*	**Totals**
Cu alloy/silver					
Ornaments	1	2	1	2	6
Fittings	2	6	1	2	11
Vessels		1	1		2
Working evidence		2		2	4
Other	2			1	3
Lead					
Weights		1		4	5
Repairs/patches		1	2	5	8
Cylinders	3		1	17	21
Working evidence	2		1	1	4
Uncertain	1	1			2
Totals	11	14	7	34	66

Table A4.59: Metrology of lead weights from Quarry Farm, using a value of 27.288g (and in brackets, 27.125 g) for the Roman ounce (Collingwood & Wright 1991, 1)

Find	**Mass (g)**	**Likely intended unit**	**Nominal mass (g)**
115	281.3	10 or 11 oz	10 oz 272.9 (271.3) 11 oz 300.2 (298.4)
116	120.5	5 oz	136.4 (135.6)
121	195.4	7 oz	191.0 (189.9)
122	303.5	11 oz	300.2 (298.4)

Table A4.60: Range of copper alloys used according to technology

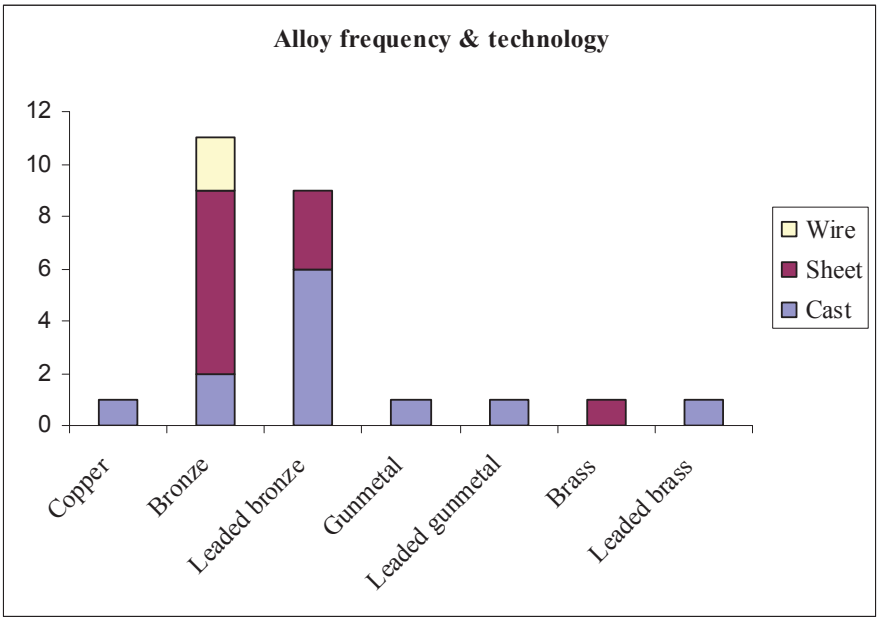


Table A4.61: Range of iron objects present. *Undiagnostic material from unstratified contexts (e.g. nails) is excluded

	Phase 3/4	Phase 5	Phase 6	Phase 7 & U/S*	Total
Tools					
Knives		5	1		6
Agriculture (goad & scythe)	1	1			2
Craft (awl, punch, chisel)		3	2		5
?/other (stylus)		1	1		2
Weapons					
Arrow		1			1
Domestic					
Locks/keys	1		2		3
Fittings					
Handle		2	1		3
Double-spiked loop			1		1
Strapping &c	1	1	1		3
T-clamp	2		1		3
Clamp		1			1
Joiner's dog	2			1	3
Looped fitting		2	1		3
Hook				1	1
Washer	1				1
Flanged collar		1			1
Bar		1			1
Staple			1		1
Chain	1				1
?			1		1
Tacks/nails/hobnails					
Square-headed nail (Manning type 1)	21	21	4		46
Angular-headed nail (Manning type 2)		1			1
T-headed nail (Manning type 3)	1	1			2
Tack (Manning type 8)		1			1
Hobnails	11				11
Offcuts/blacksmithing waste	3	6	4		13
Other/identified	3	5	4		12
TOTALS	48	54	25	2	129

Table A4.62: Quantities of iron objects, nails and hobnails at a selection of sites

Site	Iron objects	Nails	Hobnails	Notes	Reference
Quarry Farm	68	50	11	Excludes hoard	This paper
Alchester (northern extramural area), Warwickshire	200*	2791	1470	*excludes unidentified fragments (569)	Booth & Evans 2001
Beddington Villa, Surrey	73	3151	457		Jackson *et al.* 2005, 83-7
Causeway Lane, Leicester	65	3448	507		Connor & Buckley 1999
Fosse Lane, Shepton Mallet, Somerset	170	2854	331		Leach, P 2001
Shiptonthorpe, East Yorkshire	55	810	5		Millett 2006
Strageath, Perth and Kinross	334*	761**	353**	*excludes unidentified fragments **minimum number	unpublished NMS data
Inveresk, East Lothian	156	762	351		Hunter forthcoming
Catterick, Yorkshire	1180	not recorded	336		Cool 2002, 24-43

Table A4.63: Composition of the hoard

Category	Material	
Wood-working tools (10)	Adze-hammer	Disc-adze
	Pruning hook	Gouge
	Paring chisel	Float
	Cooper's crozes (2)	Bradawl (2)
Leather-working tools (2)	Awl	Circular punch
Metal-working tools (3)	Files (3)	
Other tools (3)	Knife	Unidentified, tip lost (2)
Weighing (2)	Steelyard	Lead weight (?plumb bob)
Vehicle fittings (4)	Nave linings (3)	Nave hoop
Structural fittings (4)	Hinge L-staple (2)	Double-spiked loop (2)
Other fittings (17)	Collars (3)	Ring handles (2)
	Vessel handle (1)	Other handle (1)
	Ferrule (1)	Strip (2; one folded for reuse)
	Staple (1)	Perforated plate (1)
	Buckle loop (1)	Ring (1)
	Copper alloy sheet mounts (2)	Unidentified (1)
Nails (8)	Square-headed nails (4)	T-headed nails (4)
Leather straps (3)	Fragments in corrosion products	

Table A4.64: Fragment counts for the species present (* = partial skeleton; X = present)

	Phases									
	3a	3b	3c	3d	4	5a	5b	5c	6	6 Pits
Cattle	15	3	3	11	4	37	21	7	43	78
Cattle size					1	2	2			7
Sheep/goat	3	1	3	7	1	9	2	2 *	3	16
Sheep				1		1 *	*			
Goat?										1
Sheep size										2
Pig	3	3		1		4	1	*	4	5
Horse	5	1		1		12	5		6	9

	Phases									
	3a	3b	3c	3d	4	5a	5b	5c	6	6 Pits
Dog						2				1 *
Red deer	1					2			3	1
D. fowl									1	
Goose										1
Frog/toad					1					
Fish sp.						X				
Totals	27	8	6	21	7	71	32	11	60	122
Grand Total	365									

Table A4.65: Animal bone: identifiable fragments
Approximate counts of identifiable fragments from 762 complex (* = skeleton)

Species/Context	762	F777	F938	F940	F1417
Cattle	17	32	7	7	
Sheep/goat	2	11	3	2	
Sheep			1		
Pig		3			
Horse	2?	3	1		1
Dog		*			
Red deer	1				

Table A4.66: Cattle epiphyses in approximate order of fusion (ages of fusion after Silver 1969)

	Phase 3			Phase 5			Phase 6		
	Fused	Just fused	Unfused	Fused	Just fused	Unfused	Fused	Just fused	Unfused
by 18 months									
Scap tub				1					
Acet symph	1			1			1		
Prox rad				1			4		
Dist hum	1			1			2		
Prox Ph 2	1						2		
Prox Ph 1	1			4			1		
by 2-3 years									
Dist tib				3			1		1
Dist mc				1			2		
Dist mt							1		
by 3.5-4 years									
Prox cal							1		1
Prox fem		1		1					
Dist rad							2		
Prox hum							1		
Prox tib									
Dist fem				1	1	1			
P&D uln									
by >5 years									
Ant vert ep				4					1
Post vert ep				4					2

Table A4.67: Sheep/goat epiphyses in approximate order of fusion (after Silver 1969).

	Phase 3			Phase 5			Phase 6		
	Fused	Just Fused	Unfused	Fused	Just Fused	Unfused	Fused	Just Fused	Unfused
by 1year									
Dist hum							1		
Prox rad							1		
Scap tub									
Acet symph				1					
by 1-2 years									
Prox Ph 2									
Prox Ph 1									
Dist tib									
Dist mc									1
Dist mt									
by 2.5-3.5 years									
Prox fem			1						
Prox cal							1		
Dist fem									
Prox tib									
Dist rad									
Prox hum									
P&D uln									
by >5 years									
Ant vert ep									1
Post vert ep									1

Table A4.68: Tooth eruption and wear: approximate ages of eruption after Silver 1969 (U = unerupted/deciduous; S/W = slight wear; H/W = heavy wear)

		Phase 3			Phase 5			Phase 6		
		U	S/W	H/W	U	S/W	H/W	U	S/W	H/W
Cattle										
5-6m	M1		1	3			1			5
5-18m	M1/M2		2			9	4	5	8	16
15-18m	M2			2		4	4		3	5
24-30m	P2	1						1		
18-30m	P3	1					2	1		3
24-30m	M3		2	2	1	6	1	1	13	7
28-36m	P4	2	1	1				2	1	2
Sheep/goat										
3-5m	M1			2						1
3-12m	M1/M2		1				1			2
9-12m	M2		2			3			2	
21-24m	P2									
21-24m	P3									
18-24m	M3	1	1			1			1	2
21-24m	P4	1		1						1
Pig										
4-6m	M1					1				1
4-13m	M1/2	1		1	1					
7-13m	M2			1						2
12-16m	P2								1	
12-16m	P3									1
12-16m	P4				1					1
17-22m	M3		1	1				1	3	

Table A4.69: Stone geological identification

Box 11

Context 787: Medium grained buff quartz sandstone with abundant mica flakes. Dark brown cements and iron spotting. Very hard.
Context 271: Red brown fine quartz sandstone. Some iron colour banding. Buff cement.
Context 994: Two pieces of medium quartz sandstone with burn marks.
Context 1092: Thin flat quern fragment of coarse sandstone with some pale cement (dolomitic) visible. Some notable large quartz grains to 10mm not seen in any other previous sample.
Context 879: 4 piece as 1092 with dark mineralized (iron or manganese?) band. Even larger quartz grains to 15mm.
Context 3: 3 small pieces of rotten dolerite. Cleveland Dyke rock.
Context 2:
1 Rounded piece of dolerite (Cleveland Dyke) probably an original weathered spheroid common in the dyke.
2 pieces of coarse dolerite with phenocrysts up to 5-8mm
1 piece fine grained dyke rock probably taken from close to edge of dyke (chilled margin)
2 pieces of fine hard sandstone pale yellow/buff coloured. Could be worked or may be glacial drift pebbles.
Context 270: Small piece of pale grey calcareous limestone or evaporite deposit with unusual mud cracked surface.
Context 492: Micaceous flagstone (siltstone) fine grained.
Context 599: Soft calcareous limestone or evaporite deposit. Full of voids. Pale grey colour. See 311 - this is probably an unburnt sample of the same material.
Context 11: Weathered Dolerite spheroid from Cleveland Dyke.
Context 1220: Bituminous coaly shale.
Context 3: Large number of dolerite (Cleveland Dyke) fragments
Context 136: Coarse igneous rock with large phenocrysts. Uncertain identification. May be drift pebble.
Context 330: Dolerite. Cleveland Dyke.
Context 1016: Uncertain igneous rock.
Context 1314: Probably dolerite, Cleveland Dyke.
Context 720: As 1092 and 879.
Context 797: Hand axe in fine grained, greeny/grey volcanic ash.
Context 723: 2 pieces coarse dolerite?
Vitrified stone: Glazed surface with glassy coating to one side. Hard light, possibly silica rock.

Box 21

Context 236: Iron brown medium grained quartz sandstone. Similar to quern 64. Mica flakes visible, sub-rounded grains. Smooth worked surface.
Context 1007: Fine grained quartz sandstone. Used as mould? Surface.

Box 22

Context 740: Medium to fine quartz sandstone with some visible mica flakes. Some slight cross-bedding visible. Some colour spotting. Surface finely worked.
Context 311: Altered (burnt?) vuggy calcareous limestone or evaporite deposit. Very soft, friable and ochreous white to yellow and brown.

Context 1337: Medium to fine quartz sandstone with gypsum lenses. Fine exposed surfaces. Used as a mould? Surface.

Box 23

Context 409: Medium to fine grained quartz sandstone with abundant white mineral (gypsum) lenses. Brown cement. Some cross-bedding.

Context 1278: Fine grained quartz sandstone. Pale buff (dolomitic) cement. No lenses. Fine surfaces. Quern has used natural flat lower surface.

Box 24

Context 1463: Carved architectural feature with hole. Fine grained quartz sandstone with buff (dolomitic) cement.

Context 1466: Medium to fine grained, red/brown quartz sandstone. Dark colour. Some visible mica flakes. Grinding striations added to base.

Context 318: Mid brown, fine grained sandstone. Rare mica flakes visible. Abundant worked surface marks.

Box 25

Context 236: Medium grained dark brown sandstone with angular cavities/sub rounded lense like cavities. Other lenses filled with white mineral, probably gypsum.

Context 409 (structure 268): Medium to fine grained quartz sandstone with brown blotching and pale (dolomitic) cement. Finely worked surface.

Context 454: As item 409

Box 26

Context 268: Small block as in 409 but with cross-bedding structure visible and micaceous linings to bedding.

Context 268: Large block as above but more massively bedded.

Context 454: As above but may not be worked.

Box 28

Context 1227: 2 fragmentas of 1 large worked building stone. Medium to fine grained pale brown to buff sandstones. Some with pale mud lenses seen in other samples. Some cross-bedding visible.

Context F469: Block of bright red ripple marked micaceous siltstone. Thinly laminated internal structure. Natural flaggy bedding.

Querns

QF03/64: Medium grained quartz sandstone brown to buff coloured. Rounded to sub-rounded grains. No visible mica. Coarsely worked surface.

QF03/720: Fine grained quartz sandstone. Pale buff coloured cement (dolomitic?). Very hard. Finely worked surface.

Table A4.70: Lithics

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
1	flake		undiagnostic	0	0	1	0	2	3	9	2	bi	40	0	distal	27.7	24.9	13.3	
1	flake		undiagnostic	0	2	1	0	3	1	1	3	multi	0	0	whole	31	22.4	7.1	
1	flake		LM/EN	0	2	1	0	3	1	1	4	uni	0	4	whole	35.7	20.2	9.2	laminar flake scars on dorsal
1	flake		LM/EN	0	1	0	0	2	3	5	5	uni	20	4	whole	24	14.3	4.2	laminar flake scars on dorsal
1	burnt chunk		undiagnostic	0	1	1	0	2	3	9	2	?	90%	0	distal	30.2	11	10.8	burnt
1	flake		undiagnostic	0	1	0	0	1	3	9	2	bi	60%	0	distal	28.5	20.2	10.9	
1	blade		M/EN	0	1	0	0	3	3	11	8	uni	0	0	whole	39.3	13.9	6.2	laminar flake scars on dorsal
1	chunk		undiagnostic	0	1	1	0	3	3					0	whole	26.8	17.3	9.3	v.poor rm - shatter from knapping, but technologically uninformative
1	flake		undiagnostic	0	1	1	0	3	1	2	3	bi	0	4	whole	27.3	11.2	6.3	
1	blade		M/EN	0	1	1	0	3	3	11	6	uni	0	4	whole	30.9	13.2	4.2	laminar flake scars on dorsal
1	flake		undiagnostic	0	1	1	0	3	1	1	2	multi	0	0	proximal	13.8	19.7	18.8	
1	flake		LM/EN	0	1	1	0	3	3	5	3	multi	0	0	whole	15.3	8.6	2.1	laminar flake scars on dorsal
1	flake		undiagnostic	0	1	1	0	3	3	5	1	uni	0	0	whole	14.7	13.1	3.1	
1	flake		LM/EN	0	1	1	0	3	1	11	3	uni	0	4	proximal	15.7	18	14.5	
1	flake		undiagnostic	0	0	0	0	3	3	9	3	?	0	0	mesial	20.7	6.5	4.6	
1	flake		undiagnostic	0	1	0	0	3	1	13	1	multi	0	0	whole	22.1	18	5.2	
1	flake		LM/EN	0	1	0	0	3	1	11	3	uni	0	4	whole	19.4	11.7	3.4	laminar flake scars on dorsal
1	blade		M/EN	0	1	2	0	3	3	9	3	uni	0	0	mesial	19.2	11.3	4.5	laminar flake scars on dorsal
1	flake		undiagnostic	0	1	0	0	3	1	2	4	bi	0	4	siret	27.3	11.4	7.7	
1	flake		undiagnostic	0	0	0	0	3	1	1	4	multi	0	4	proximal	9.8	21.2	5.5	
1	flake		undiagnostic	0	1	1	0	3	1	1	2	uni	0	4	whole	22.7	13.6	5.8	
1	chip		undiagnostic	0	0	0	0	2	3	0						<2	<2	<2	
1	chip		undiagnostic	0	1	1	0	3	3	5	1	uni	0	4	proximal	<2	<2	<2	
1	chip		undiagnostic													<2	<2	<2	
1	chip		undiagnostic													<2	<2	<2	
1	chip		undiagnostic													<2	<2	<2	
1	chip		undiagnostic													<2	<2	<2	
1	chip		undiagnostic													<2	<2	<2	
1	flake		undiagnostic	1	2	1	0	3	3	5	5	bi	0	4	whole	29.9	20.2	5.5	
1	chunk		mid-later bronze age	1	1	0	0	2	1	9	1	uni	30%	4	whole	32.4	19.9	13.9	shattered & nasty
2	blade		M/EN	0	0	0	0	3	2	3	5	uni	0	4	whole	32.2	14.7	3.1	
2	flake		M/EN	0	0	0	0	2	1	11	3	uni	30%	4	whole	21.1	17	3.9	
2	flake		undiagnostic	0	2	0	0	2	3	3	0	uni	100%	0	whole	21.5	16.8	5.8	
2	flake		undiagnostic	0	0	1	0	3	1	1	4	multi	0	0	whole	26.2	22.1	5.5	
2	flake		undiagnostic	0	0	0	0	3	1	4	0	uni	100%	0	proximal	19.5	21.5	8.2	

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
3	flake		undiagnostic	0	0	0	0	2	1	2	1	multi	70%	0	whole	37.9	25.7	11.6	
3	blade		M/EN	0	0	0	0	2	2	5	4	uni	20%	4	whole	23.6	10	3.1	
3	flake		undiagnostic	1	1	1	0	3	1	1	3	multi	0	0	whole	28	17.9	4.8	
3	burnt chunk		undiagnostic													<2	<2	<2	burnt
3	fragment		undiagnostic													<2	<2	<2	
3	burnt flake		undiagnostic	1	2	1	0	3	3	9	4	bi	0	0	mesial	26.7	17.2	5.2	burnt
3	blade		M/EN	0	1	1	0	3	3	9	4	uni	0	0	mesial	30.6	18.8	3.3	
3	flake		undiagnostic	0	1	1	0	3	2	5	5	uni	5%	4	whole	33.7	19.4	5.4	relatively controlled
3	flake		undiagnostic	0	1	0	1	3	3	5	1	uni	40%	4	proximal	20.9	9.2	3.9	natural on back
3	flake		undiagnostic	0	1	1	0	2	1	3	0	0	60%	0	whole	42	27.3	17	
8	blade		undiagnostic	0	2	2	0	3	3	9	2	uni	0	0	distal	24.8	16.1	3.3	
9	flake		undiagnostic	0	1	1	0	3	1	5	8	multi	0	0	whole	35.3	26.5	13.5	
48	flake		earlier bronze age?	0	0	0	2	3	1	5	8	multi	0	2	whole	67.3	69	28.6	ad hoc knapping pattern, and has split from core, but large and relatively well controlled - initial core working? Who knows?
63	blade		M/EN	0	0	0	0	3	3	11	7	uni	5%	0	proximal	34.9	11.9	3.2	
77	burnt chunk		undiagnostic	0	1	0	2	3	1	9	3	uni	0	4	mesial	21.4	31.9	9.3	burnt
86	chunk		undiagnostic	0	0	0	0	2	3	9	?	?	20%	0	?	25.4	18.7	10.2	
150	flake		undiagnostic	0	2	0	0	3	3	9	4	?	0	0	distal	20.3	14.1	3.9	
152	flake		undiagnostic	0	0	0	0	2	1	2	2	uni	45%	4	whole	33.8	23.4	13.1	cherty
154	blade		M/EN	0	1	1	0	2	1	2	4	uni	10%	4	proximal	24.5	15.3	3.7	
223	flake		undiagnostic	0	0	1	0	2	1	1	1	multi	40%	0	whole	18.3	15.7	3.4	
235	flake		undiagnostic	0	0	0	0	2	1	2	4	multi	30%	0	whole	26.7	21	9.5	
235	burnt chunk		undiagnostic													35	19.7	7.2	burnt
235	flake		undiagnostic	0	0	0	0	3	1	11	2	multi	0	0	whole	19.7	18.4	3.9	
236	chip		undiagnostic													<2	<2	<2	
236	flake		undiagnostic	0	1	0	0	3	2	6	3	bi	0	4	whole	21.7	24.2	4.2	thinning flake
236	flake		undiagnostic	0	2	0	0	3	3	1	4	multi	0	4	whole	38.2	19.3	6.2	
236	flake		undiagnostic	0	1	0	0	3	3	9	3	multi	10%	0	distal	23.9	19.2	6.7	
236	flake		undiagnostic	0	0	0	0	3	3	11	2	uni	50%	4	whole	19.9	18	4.3	
236	endscraper	yes	M/EN	0	1	2	0	3	1	3	1	multi	30%	0	whole	25.9	19.5	7.1	
246	flake		undiagnostic	0	0	0	0	2	1	1	3	uni	45%	4	whole	16.2	25.6	7.1	
258	round scraper	yes	undiagnostic	0	0	0	0	2	1	1	1	uni	40%	0	whole	33.4	31.9	33.1	?Thumbnail scraper? Quite big, but retouch relatively invasive and goes nearly all the way round
271	flake		undiagnostic	0	0	0	0	2	1	4	1	bi	60%	0	whole	41.8	44.1	19.5	these three v. similar rm unit
271	flake		undiagnostic	0	0	0	0	2	3	2	0	uni	100%	0	whole	20.5	20.4	5.8	these three v. similar rm unit
271	chunk		undiagnostic	0	0	0	0	2	3	9	1	uni	60%	0	whole	17.6	22.2	7.1	these three v. similar rm unit
286	chip		undiagnostic													<2	<2	<2	

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
287	flake		undiagnostic	0	1	0	0	3	3	9	1	multi	70%	0	distal	23.3	15.5	4.5	Dorsal largely natural
287	blade		M/EN	0	1	1	0	3	2	5	5	uni	0	0	whole	32.6	9.2	2.7	
318	burnt chip		undiagnostic													<2	<2	<2	burnt
320	blade		M/EN	0	1	2	0	3	1	11	2	uni	0	0	proximal	12.7	10.7	2.8	
320	flake		undiagnostic	0	1	0	0	3	1	9	3	multi	0	0	distal	37.2	20.9	7.5	
333	flake		undiagnostic	0	1	0	0	3	3	2	2	multi	0	0	proximal	17.1	27.3	8.2	
360	flake		undiagnostic	0	0	1	0	3	3	5	4	multi	0	0	whole	26.6	15.8	4.1	
360	blade		M/EN	0	1	2	0	3	3	9	3	bi	0	0	mesial	23.7	7.8	2.8	
360	flake		M/EN	0	1	1	0	3	1	1	4	uni	0	0	siret	21.9	10.2	3.2	
360	chip		undiagnostic													<2	<2	<2	
360	chip		undiagnostic													<2	<2	<2	
365	chip		undiagnostic													<2	<2	<2	
369	chip		undiagnostic													<2	<2	<2	
369	chip		undiagnostic													<2	<2	<2	
369	burnt chip		undiagnostic													<2	<2	<2	burnt
384	flake		undiagnostic	0	0	1	1	3	1	9	1	multi	0	0	distal	19.7	26.4	5.7	
429	burnt chip		undiagnostic													<2	<2	<2	burnt
447	chip		undiagnostic													<2	<2	<2	
467	burnt chunk		undiagnostic													41.4	27.1	18.3	burnt
467	flake		undiagnostic	0	0	0	0	2	2	9	2	multi	20%	0	whole	33.7	10.6	5.1	
467	burnt chunk		undiagnostic													22.2	12	9.8	burnt
467	flake		undiagnostic	0	1	1	0	2	3	5	4	multi	20%	0	whole	24.8	15	4.7	
467	flake		undiagnostic	0	1	0	0	3	3	9	3	uni	30%	0%	distal	15.7	17.1	5.3	
467	casually retouched flake	yes	undiagnostic	0	1	0	0	3	3	9	4	uni	0	0	distal	21.2	22	5.1	distal 40% relict ventral
467	blade		M/EN	0	0	0	0	3	1	11	4	uni	0	0	proximal	19.6	10.4	2.6	
480	burnt chip		undiagnostic													<2	<2	<2	burnt
492	burnt flake		undiagnostic													28.8	31.7	13.8	burnt
492	burnt chunk		undiagnostic													16.4	18.9	8.9	burnt
492	burnt chunk		undiagnostic													23.6	12.6	10.5	burnt
492	chip		undiagnostic													<2	<2	<2	
492	burnt flake		undiagnostic	0	1	2	0	3	3	2	3	multi	0	4	whole	21	20.7	6.9	burnt
492	flake		undiagnostic	0	2	0	0	2	3	5	2	uni	30%	0	whole	21.2	9.2	4.6	
492	flake		undiagnostic	0	0	0	0	3	1	1	2	multi	0	0	whole	34.5	23.1	7.5	
492	flake		undiagnostic	0	1	0	0	3	3	2	3	uni	0	0	whole	23.3	10.3	3.7	
492	chip		undiagnostic												distal	<2	<2	<2	
492	flake		undiagnostic	0	1	1	0	3	1	9	3	multi	0	0	mesial	22.5	22.5	6	
492	chip		undiagnostic	0	2	2	0	3	3	9	2	multi	0	0	distal	<2	<2	<2	

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
492	blade		M/EN	0	1	1	0	2	3	11	5	bi	20%	4	whole	28.1	14.4	5.6	
492	flake		M/EN	0	1	2	0	3	1	1	3	multi	0	4	whole	16.6	19.3	4.6	
492	blade		M/EN	0	2	2	0	3	1	11	5	bi	0	0	whole	26.5	12.1	3.4	
492	flake		undiagnostic	0	0	2	0	3	1	1	4	multi	0	4	whole	22.6	19	6.2	
492	flake		undiagnostic	0	0	0	0	3	1	5	0	0	0	0	whole	34.8	18.8	4.1	back is largely patinated ventral
492	flake		undiagnostic	0	1	0	0	3	3	9	2	?	0	0	mesial	13.3	25.3	5.9	
492	burnt flake		undiagnostic	0	3	0	0	2	1	1	1	uni	20%	4	siret	21.2	19.2	6.4	burnt
492	burnt chunk		undiagnostic	0	2	0	0	3	3	9	5	multi	0	0	mesial	31.4	26.2	11.7	burnt
511	blade		M/EN	0	1	0	0	3	3	9	4	uni	0	0	distal	27.6	8.8	2.8	
521	flake		undiagnostic	2	1	0	2	2	1	1	3	uni	60%	0	whole	53.3	27.4	5.3	
566	blade		M/EN	0	0	0	0	2	3	9	4	uni	10%	0	distal	23.1	12.7	3.9	
566	flake		undiagnostic	0	2	0	0	2	3	5	0	uni	100%	0	proximal	22.2	11.7	3.3	
566	flake		undiagnostic	0	1	0	0	2	1	5	3	uni	30%	4	whole	25.3	15.8	6.4	
566	flake		undiagnostic	0	0	0	0	2	3	5	0	uni	100%	0	whole	21.3	15.7	3.6	
661	blade		M/EN	0	0	0	0	3	2	11	9	uni	0	4	whole	26.9	14.8	3.7	
668	chunk		undiagnostic	0	0	0	0	2	3	9	?	?	?	?	?	12.1	20.8	10.1	
668	flake		undiagnostic	0	0	2	0	2	1	9	0	uni	100%	0	whole	20.9	19.4	6.5	
683	blade		M/EN	0	1	0	0	2	2	11	5	multi	20%	0	whole	32.6	17.4	4.4	
689	blade		M/EN	0	1	0	0	3	3	11	3	uni	0	4	whole	28.2	11.2	5.4	
719	blade		M/EN	0	1	1	0	3	3	5	4	uni	0	4	whole	26.8	9.7	2.7	
720	tranchet axe sharpening flake	yes	M/EN	0	1	0	0	3	1	9	5	multi	0	*	whole	51.5	20.5	18	Cherty * = complex alternate on dorsal
720	flake		early neo?	0	0	0	0	3	1	5	6	uni	0	4	whole	25	12.7	2.4	
723	flake		undiagnostic	0	1	1	0	2	3	5	2	bi	40%	0	whole	28.5	20	5.5	
723	flake		neolithic/earlier bronze age	0	0	0	0	2	1	1	4	uni	10%	4	whole	32.4	26.9	8.1	
726	burnt chip		undiagnostic													<2	<2	<2	burnt
726	burnt chip		undiagnostic													<2	<2	<2	burnt
726	chip		undiagnostic													<2	<2	<2	
747	flake		undiagnostic	0	1	2	0	2	3	9	2	uni	30%	0	mesial	29.5	19.7	7.5	
751	burnt chunk		undiagnostic													<2	<2	<2	lost; dropped on floor
752	bifacially worked flake	yes	mid-later bronze age	0	1	0	3	2	1	2	1	multi	20%	0	whole	51.1	46	17.4	
754	scraper	yes	undiagnostic	0	1	2	0	3	3	9	2	multi	0	0	distal	18	13.9	6	
762	burnt chunk		undiagnostic	0	0	0	2	2							broken	23.7	24.1	5.6	burnt
806	blade		M/EN	0	0	0	0	3	1	1	6	uni	0	4	whole	32.6	13.7	5.4	
825	flake		undiagnostic	0	1	0	0	3	3	2	2	uni	0	0	whole	26.5	13.7	4.8	
840	flake		undiagnostic	0	1	1	0	3	3	9	3	multi	0	0	mesial	26.4	29.7	5.9	

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
840	flake		undiagnostic	0	2	1	0	3	1	8	1	uni	5%	4	whole	22	25	5.9	
840	flake		undiagnostic	0	1	2	0	3	3	9	0	0	0	0	distal	16.9	18	7	
840	flake		undiagnostic	0	1	2	0	3	3	5	4	multi	0	0	whole	20.2	10.1	4.7	
894	burnt chip		undiagnostic													<2	<2	<2	burnt
894	flake		undiagnostic	0	0	0	0	2	1	9	5	uni	70%	4	whole	23.8	30.5	11.2	
898	small round scraper	yes	undiagnostic	0	0	0	0	3	3	9	4	multi	0	0	whole	28.8	25.9	14.1	retouch all around circumference of flake, especially proximal; has resulted in stepping on distal - unsuccessful?
898	flake		M/EN	0	0	2	0	3	3	5	3	uni	0	0	whole	22.9	12.8	3.5	
898	flake		M/EN	0	1	0	0	3	1	2	4	uni	0	4	whole	5.8	28.3	5.9	
898	flake		undiagnostic	0	0	1	0	2	1	9	2	multi	10%	0	distal	17.8	24.8	6.7	
898	flake		undiagnostic	1	3	2	0	3	3	5	3	bi	0	4	whole	20.1	14	3.6	
898	flake		undiagnostic	0	0	0	0	2	3	5	5	uni	20%	4	whole	20.1	18.1	4.7	
898	flake		early neo?	0	1	1	0	3	1	1	6	uni	0	4	proximal	35.7	23.8	7.4	
898	flake		M/EN	0	0	1	0	3	1	5	3	uni	0	4	proximal	15.6	15.9	3.6	
919	burnt flake		undiagnostic	0	2	0	0	2	3	9	2	uni	30%	0	distal	20.2	25.4	7.8	burnt
998	blade		M/EN	0	0	1	0	3	3	5	5	uni	0	4	whole	31.9	9.5	4.4	
1016	flake		undiagnostic	0	0	0	0	2	3	5	1	uni	70%	0	whole	28.2	12.5	3.7	
1120	burnt flake		undiagnostic	0	1	0	0	3	3	5	2	uni	0	4	proximal	25.1	12.3	6.5	burnt
1120	burnt flake		undiagnostic	0	1	2	0	3	3	5	2	uni	0	0	whole	19.1	11.2	2.7	burnt
1120	chunk		undiagnostic	0	1	2	0	2	1	9	0	0	40%	0	whole	23.9	43	17.9	shattered when struck; back is largely natural, not cortical
1162	chip		undiagnostic													<2	<2	<2	
1164	chip		undiagnostic													<2	<2	<2	
1242	chip		undiagnostic													<2	<2	<2	
1242	chip		undiagnostic													<2	<2	<2	
1242	burnt chip		undiagnostic													<2	<2	<2	burnt
1242	flake		undiagnostic	0	1	2	0	3	1	9	3	multi	0	0	proximal	33.8	22	13.4	
1242	flake		undiagnostic	0	0	0	0	3	3	5	3	multi	0	0	whole	28.9	15.1	5.3	
1243	rd scraper	yes	undiagnostic	0	0	0	0	3	1	2	0	multi	70%	0	whole	24.6	30.4	7.2	irregular, steep scraper retouch all around
1243	?microlith	yes	mesolithic	0	0	1	0	3	3	9	2	uni	0	0	mesial	15.5	8.8	1.7	steep, concave backing retouch along right edge
1243	chip		undiagnostic													<2	<2	<2	
1243	chip		undiagnostic													<2	<2	<2	
1243	burnt chip		?mesolithic													<2	<2	<2	burnt
1243	flake		undiagnostic	0	0	1	0	3	2	5	4	multi	0	1	proximal	39.1	20.4	12.2	has removed badly crushed parallel core edge on dorsal; platform itself shows steppign below

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
1243	flake		undiagnostic	0	1	1	0	2	3	9	2	multi	20%	0	distal	17.2	18.3	7.1	
1243	blade		M/EN	0	0	2	0	3	2	6	3	uni	0	4	whole	38.7	14.9	3.6	platform trimming
1243	blade		undiagnostic	0	2	1	0	3	3	9	6	multi	0	0	distal	29.8	13.5	5.2	
1243	flake		M/EN	0	0	2	0	3	1	11	3	uni	0	4	whole	16.3	10.6	3.1	
1243	blade		M/EN	0	0	0	0	3	3	9	7	multi	0	1	distal	28.7	11.4	14.9	parallel laminar scars,attempt to start platform at right angles on dorsal at right angles to predominant flaking
1243	blade		M/EN	0	0	0	0	3	2	2	4	uni	0	4	whole	33.4	12	3.2	parallel laminar scars
1243	flake		undiagnostic	0	1	2	0	3	3	9	2	multi	0	0	siret	22.3	8	3.4	
1243	flake		undiagnostic	0	1	2	0	3	3	9	1	multi	0	0	distal	25.1	9	5.8	
1243	flake		M/EN	0	1	0	0	2	3	11	1	uni	50%	0	whole	25.1	7.9	3.5	
1243	blade		M/EN	0	0	1	0	3	3	11	3	uni	0	0	whole	14.8	4.8	1.2	
1243	blade		M/EN	0	1	2	0	3	3	9	2	uni	0	0	mesial	22.3	6.9	3.6	burnt
1276	blade		M/EN	0	1	1	0	3	3	2	5	uni	0	0	proximal	32.1	11	3.5	
1284	chunk		undiagnostic	0	0	0	0	2	1	3	0	0	20%		whole	34.8	19.3	13.4	
1300	chunk		undiagnostic	0	1	1	0	3	3			multi	0	0		15.3	25.7	15.1	
1316	blade		M/EN	0	0	2	0	3	2	5	5	uni	0	4	proximal	24.8	9.8	3	
1429	chip		undiagnostic												proximal	<2	<2	<2	
1462	flake		undiagnostic	0	1	1	0	3	3	9	2	uni	0	0	distal	19.6	11.6	3.4	
+	flake		undiagnostic	2	1	0	0	2	3	3	4	multi	10%	0	whole	36.2	13.4	8.2	
+	burnt chunk		undiagnostic													24.6	14.9	6.5	burnt
+	blade		M/EN	0	0	0	0	2	2	11	4	uni	10%	0	proximal	53	23.5	9.1	
+	flake		undiagnostic	0	0	0	0	2	1	1	1	uni	30%	4	whole	25.6	26.1	8	
+	flake		undiagnostic	0	0	0	0	3	1	2	4	multi	0	0	whole	30.3	22.3	8.6	
+	flake		undiagnostic	0	0	0	0	2	2	5	3	multi	50%	0	whole	27.9	18.1	7.6	
+	flake		undiagnostic	0	2	2	0	2	2	5	1	multi	40%	0	whole	27.9	13.2	3.5	
+	blade		M/EN	0	1	0	0	3	2	5	3	uni	0	0	whole	27.1	14.3	4.9	
+	flake		undiagnostic	0	2	1	0	3	3	5	3	multi	0	0	proximal	21.9	16.3	4.8	
+	blade		M/EN	0	1	0	0	2	2	2	3	uni	10%	0	proximal	26	14.1	3	
+	burnt flake		undiagnostic	0	2	0	0	2	3	9	0	uni	100%	0	whole	23.2	21.5	3.6	burnt
+	blade		M/EN	0	2	1	0	2	1	8	3	uni	10%	4	whole	35.3	12.6	5	
+	fragment		undiagnostic	0	1	0	0	2	3	9	2	multi	10%	0	mesial	9.6	35.6	5.1	
+	flake		undiagnostic	0	0	0	0	2	1	1	1	uni	60%	4	whole	43.3	37.8	21.4	shattered when struck; back is largely natural, not cortical
+	flake		undiagnostic	0	1	2	0	2	1	5	2	uni	60%	0	whole	33.9	18.2	7.2	
+	burnt flake		undiagnostic	0	2	0	0	3	3	9	3	multi	0	0	siret	33.8	17.2	9	burnt
+	blade		M/EN	0	1	0	0	3	3	9	6	bi	0	0	distal	15.8	10.2	2.1	
+	flake		undiagnostic	0	0	0	0	3	1	1	2	multi	0	0	proximal	26.3	27.6	7.4	
+	flake		undiagnostic	0	2	0	0	3	3	5	4	?	0	0	siret	28.6	8.6	3.4	

Context	Typological description	retouch?	Probable date	Abrasion	edge damage	Patination	Staining	RM	Hammer mode	Butt type	Dorsal scar count	Knapping pattern	% dorsal cortex	RCE	portion	Length	Width	Thickness	Notes
U/S	flake		undiagnostic	0	1	0	0	3	1	2	9	multi	0	4,1	whole	47	26	14.1	
U/S	chip		undiagnostic													<2	<2	<2	
U/S	chip		undiagnostic													<2	<2	<2	
U/S	flake		undiagnostic	0	1	1	0	3	3	9	2	uni	0	0	distal	21.2	13.3	4.9	
U/S	flake		undiagnostic	0	1	0	0	2	1	1	1	uni	20%	4	siret	23.2	13.9	7	
U/S	flake		undiagnostic	0	0	1	0	3	1	4	3	multi	<5%	0	siret	35.2	23.2	6.7	
U/S	flake		undiagnostic	0	0	0	0	1	3	9	3	bi	10%	0	distal	36.7	15.5	8.1	
U/S	flake		undiagnostic	0	1	0	0	3	1	1	3	uni	0	4	whole	28.9	43.9	4.8	
U/S	flake		M/EN	0	2	1	0	3	3	1	4	uni	0	0	proximal	24.6	26.8	4.7	

Table A4.71: Summary statistics for debitage (excluding chips) (mm)

	Length	Width	Thickness	Maximum Dimension
Mean	26.41 ± 8.74	18.51 ± 8.37	6.99 ± 4.7	27.7 ± 8.22
Range	5.8 – 67.3	4.8 - 69	1.2 – 33.1	12.7 - 69

Table A4.72: Artefact totals for whole assemblage

Artefact	Number	% of Assemblage
Blades	36	15.7 %
Flakes	114	49.6 %
Fragments	14	6.1 %
Chips	37	16.1 %
Retouched artefacts	9	3.9 %
Cores	20	8.7 %
Total	230	100 %

Table A4.73: Core types

Core type	Number of cores	Contexts
Bipolar blade cores	2	17, +
Unipolar blade core	5	1; 1016; +; u/s
Blade core, 2 unopposed platforms	1	+
Flake core, 2 unopposed platforms	2	+
Unipolar flake core	5	413, +, U/S
Single platform flake core, alternate flaking	2	3
2 unopposed platforms, alternate flaking	1	2
Migrating platform flake core	2	3, U/S
Total	20	

Table A4.74: Retouched and typologically distinct artefacts

Type	Number of artefacts	Contexts
Scrapers	4	258, 754, 898, 1243
E ndscrapers	1	236
Casually retouched flake	1	467
Bifacially retouched flake	1	752
Microlith	1	1243
Tranchet axe resharpening flake	1	720

Table A4.75: Distribution of building materials recovered.

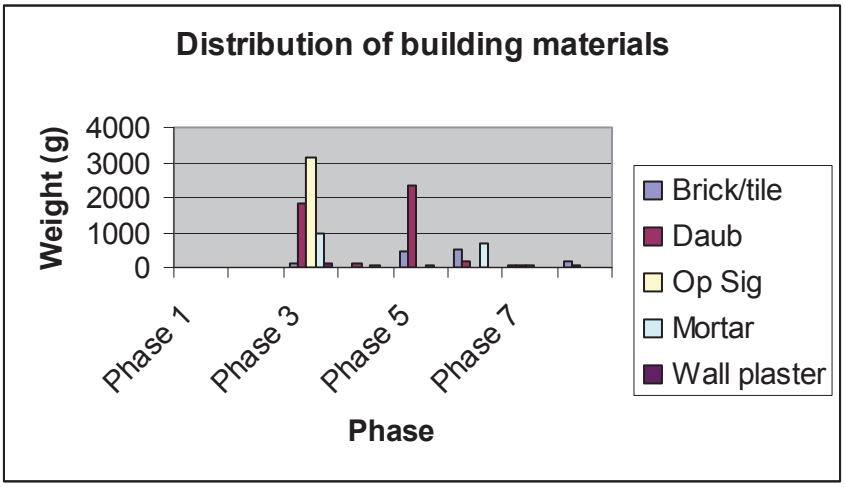


Table A4.76 Archive listing of daub

Context	No. of fragments	Weight (g)	Notes
241	1	17	wattle impressions
338	1	76	
409	7	403.5	
413	3	97	
912	20	54	abraded
48	1	6	
419	11	11	abraded
466	12	47.9	1 with wattle/finger impression
584	10	549	2 with finger impressions, 2 with possible wattle impressions
641	1	5	
1313	20	563.2	
894	8	84.5	abraded
964	2	50.5	very abraded
271	2	49.5	
272	1	9.9	
370	26	633.2	2 with possible wattle impressions; abraded
371	2	51.9	
386	9	546	
490	3	40.7	
1007	5	74.5	exposed to intense heat
220	3	31.7	1 with wattle impression
333	1	15	
375	12	39	abraded
287	1	31.8	
1069	1	38	abraded
660	2	138	1 with flat surface
318	1	111	heavily fired
233	2	15.8	abraded
236	1	12.2	
318	83	297.3	abraded
1107	2	42.4	
1108	8	156.8	abraded
10	10	99.4	1 with wattle/finger impression
114	1	2.3	
323	4	67.3	abraded
492	1	81.5	

Table A4.77: Context of daub finds

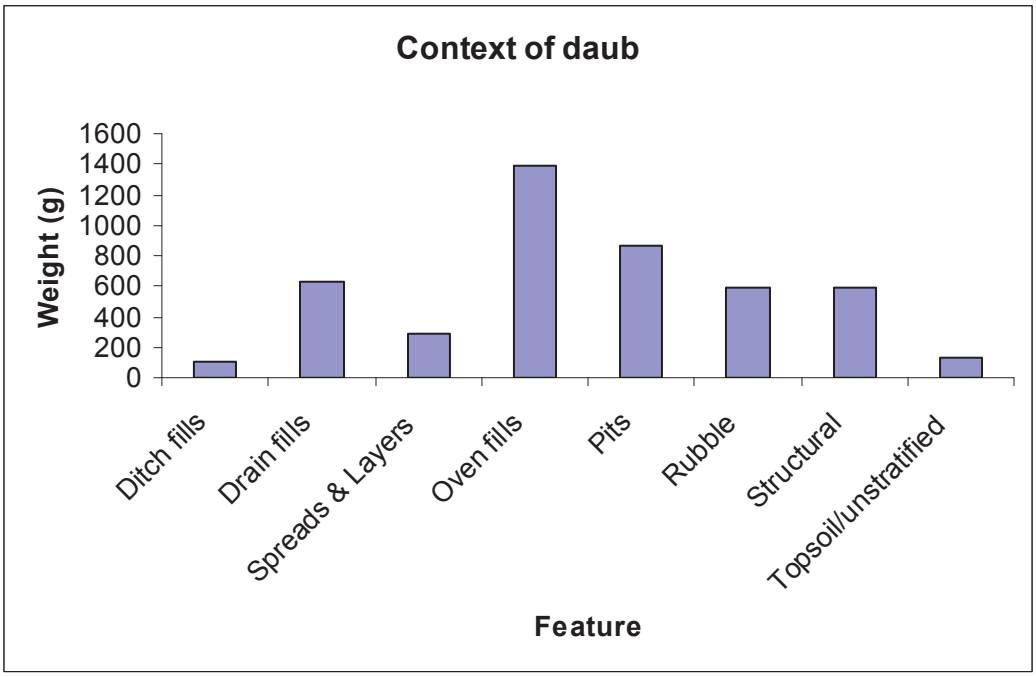


Table A4.78 Wall plaster

Context	No. of fragments	Weight (g)	Notes
641	19	106	white wall plaster, flat and smoothed on one face only. One with red-tint on smoothed surface, ?paint. Max T 6 mm.
981	5	12.3	white wall plaster, flat and smoothed on one face only. Max T 8.5 mm.

Table A4.79: Mortar

Context	No. of fragments	Weight (g)	Fabric	Notes
323	9	690	A	Fragments of white-grey vesicular ?mortar with 50-10% tiny tile/daub grit inclusions. One large lump - unlikely to have derived from wall plaster or between tiles. No original surfaces remaining
386	2	73.5	A	White, vesicular mortar/plaster with tiny brick/daub inclusions. 1 fragment burnt.
516	2	33.7	B	Coarse, compact mortar with flecks of crushed tile/brick. Light-brown in colour. One smoothed surface. Max T 13 mm.
863	2	50	A	Small abraded fragments of white mortar/plaster with small ?brick/daub inclusions
1025	26	902.5	A	White vesicular mortar/plaster with c. 10% brick/daub inclusions.

Table A4.80: *Opus signinum*

SF No.	Context	No. of fragments	Weight (g)	Notes
108	302	6	2322	6 large flat fragments, no longer joining. Likely to be pieces from an internal floor. Max T 49 mm.
	947	12	510.5	
	302	4	321.8	
	492	1	61	
	516	12	20	small abraded fragments
	492	1	6	

Table A4.81: Querns

No	SF/Ctxt/Ph	% surv	Lithological description	Type	Comments	Illust
1	1571/740/3a	50	poss Coal Measures (CM)	Saddle	Half saddle	Yes
2	-/1466/3a	50	V red fine s/s	Saddle	Grooves on g/f	Yes
3	-/994/5d	<20	Pink local fine s/s	Saddle	?Sharpening grooves of g/f	No
4	64/782/?	<90	Fine med s/s, poss CM	Beehive	Substantially complete	Yes
5	-/720/6	<90	V fine local s/s	Beehive	Re-used in paving	Yes
6	-/236/5d	<50	Med s/s poss Jurassic	Disk	Many pits and fossil? casts	Yes
7	16/7873d	<25	Med micaceous s/s	Millstone	Grooved g/f – poss upper stone	Yes
8	-/994/5d	<10	Pink local fine s/s	Disk/Mlst	Dressed g/f and rynd slot	Yes
9	-/720/6	<20	Millstone Grit	Disk/Mlst	Poss same stone as /1092 & /879 group	No
10	-/1092/5a	<20	Millstone Grit	Disk/Mlst	Poss same stone as /720	No
11	-/879/5b	>10	Millstone Grit	Disk/Mlst	Poss same stone as /720	No
12	-/F325/	95	Millstone Grit	Millstone	In paving at base of pit	Yes
13	-/905/	>10	Mayen lava	?	Worn fragment	No

Table A4.82: Unidentified ferrous objects

SF/Ctxt/Ph	Measurements	Comments
140/86/6	L 44, W 37, T 3. Rivet D 3mm.	Two overlapping iron strips, intact ends angled to form wedge-shaped tip; other edges lost.The remains of two rolled-sheet copper alloy rivets hold a leather strip; likely that this originally spanned the two strips to join them; randomly-oriented mineralised vegetation on both faces.
na/719/5a	n/a	unidentified bar fragment
na/747/5a	n/a	unidentified bar fragment
na/1007/5a	n/a	unidentified bar fragment
na/668/6	n/a	2 unidentified bar fragment
na/763/6	n/a	unidentified bar fragment
na/337/3a	n/a	unidentified fragment (not bar)
na/491/3b	n/a	unidentified fragment (not bar)
na/1245/3c	n/a	unidentified fragment (not bar)
na/1278/5a	n/a	unidentified fragment (not bar)
na/1016/5b	n/a	unidentified fragment (not bar)

Table A4.83: Worked bone

SF/Ctxt/Ph	Measurements	Comments
227/271/5a	L 68 x W 20.5 x T 6.5mm	undiagnostic roughout; portion of rib (probably cow), cut transversely at both ends to create a slightly tapered rectangle; there are faint knife-cut marking-out grooves at one end and 7mm from the other; it is unclear what the intended product was
228/911/5c	L 149, end W 30, shaft W 24mm	undiagnostic roughout; cattle metatarsal, ends damaged, with longitudinal knife-cut facets on the surface; minimal modification, abandoned early in production sequence