

APPENDIX 1

Context Listing

Low Farm Kirby Gryndalythe 01-09-05

Context	Description
1	Deposit; Topsoil
2	Deposit; Modern track
3	Deposit; 10YR 3/2, fill of Cut 19
4	Deposit; Dark grey, clayey silt, fill of Cut 20
5	Deposit; 10YR 3/2, silty sand, fill of Cut 25
6	Deposit; 10YR 3/2, silty sand, fill of Cut 21
7	Deposit; 10YR 3/4, silt, remnant of Deposit 2
8	Deposit; 10YR 3/4, silt, remnant of Deposit 2
9	Deposit; 10YR 3/3, silty clay, fill of Cut 23
10	Deposit; 10YR 3/4, silt, remnant of Deposit 2
11	Deposit; 10YR 3/4, silt, remnant of Deposit 2
12	Deposit; 10YR 3/4, silt, remnant of Deposit 2
13	Deposit; 10YR 4/4, silt, fill of Cut 32
14	Deposit; 10YR 3/2, silty clay, fill of Cut 26
15	Deposit; 10YR 3/4, silty clay, fill of Cut 24
16	Deposit; 10YR 3/4, silt, remnant of Deposit 2
17	Deposit; 10YR 3/2, silty sand, fill of Cut 27
18	Deposit; 10YR 3/4, silt, remnant of Deposit 2
19	Cut; Pit filled by 3
20	Cut; Pit filled by 4
21	Cut; Pit filled by 6
22	Deposit; 10YR 3/2 silty clay, fill of Cut 29
23	Cut; Posthole filled by 9
24	Cut; Pit filled by 15
25	Cut; Posthole filled by 5
26	Cut; Linear feature filled by 14
27	Cut; Ditch segment filled by 17
28	Deposit; Naturally-formed subsoil
29	Cut; Linear feature filled by 22
30	Deposit; 10YR 3/4, silt, remnant of Deposit 2
31	N/A Number not assigned
32	Cut; Posthole filled by 5
33	Deposit; 10YR 3/2, silt, upper fill of Cut 27
34	Deposit; 10YR 3/2, silt, upper fill of Cut 27
35	Cut; Pit filled by 36, 47
36	Deposit; 10YR 4/3, silty clay, fill of Cut 35
37	Cut; Ditch segment filled by 33, 38
38	Deposit; 10YR 6/3, clay, lower fill of Cut 37
39	Deposit; 10YR 3/4, clay silt, fill of Cut 40
40	Cut; Pit segment filled by 39
41	Deposit; 10YR 3/4, silty clay, fill of Cut 42
42	Cut; Ditch segment filled by 41
43	Deposit; 10YR 3/2, silty clay, fill of Cut 42
44	Cut; Ditch segment filled by 34, 43, 53
45	Deposit; 10YR 4/2, silty clay, fill of Cut 52
46	Deposit; 10YR 4/2, silty clay, fill of Cut 52
47	Deposit; 10YR 3/3, silty clay, fill of Cut 35
48	Deposit; 10YR 4/2, silty clay, fill of Cut 52
49	Deposit; 10YR 3/3, silty clay, fill of Cut 51

50	Skeleton;	Infant burial within Cut 51
51	Cut;	Grave filled by Skeleton 50
52	Cut;	Ditch segment filled by 48
53	Deposit;	7.5YR 4/6, silty clay, fill of Cut 44
54	Deposit;	10YR 3/2, silty clay, fill of Cut 55
55	Cut;	Gully filled by 54
56	Deposit;	10YR 4/2, silty clay, upper fill of Cut 58
57	Deposit;	10YR 4/3, silty clay, lower fill of Cut 58
58	Cut;	Ditch filled by 56, 57
59	Deposit;	10YR 4/2, silty clay, fill of Cut 60
60	Cut;	Ditch segment filled by 59
61	Deposit;	10YR 4/2, silty gravel, fill of Cut 62
62	Cut;	Ditch segment filled by 61
63	Deposit;	10YR 4/2, silty clay, fill of Cut 64
64	Cut;	Gully segment filled by 63
65	Deposit;	10YR 4/2, silty clay, fill of Cut 66
66	Cut;	Gully segment filled by 65
67	Deposit;	10YR 5/2, silty clay, fill of Cut 76
68	Deposit;	10YR 4/2, silty clay, fill of Cut 83
69	Deposit;	10YR 4/2, silty gravel, fill of Cut 70
70	Cut;	Gully segment filled by 69
71	Deposit;	7.5YR 3/3, silty clay, fill of Cut 75
72	Deposit;	10YR 6/3, silty clay, fill of Cut 76
73	Deposit;	10YR 4/2, silty gravel, fill of Cut 74
74	Cut;	Ditch segment filled by 73
75	Cut;	Pit filled by 71
76	Cut;	Ditch segment filled by 67, 72, 78
77	Deposit;	7.5YR 3/3, silty clay, fill of Cut 88
78	Deposit;	10YR 6/3, silty clay, fill of Cut 76
79	Deposit;	10YR 4/2, silty clay, upper fill of Cut 81
80	Deposit;	5YR 4/2, silty gravel, lower fill of Cut 81
81	Cut;	Pit filled by 79, 80
82	Deposit;	10YR 4/2, silty clay, fill of Cut 83
83	Cut;	Ditch segment filled by 68, 82
84	Deposit;	10YR 4/3, silty clay, fill of Cut 85
85	Cut;	Gully segment filled by 84
86	Deposit;	10YR 4/2, silty clay, fill of Cut 87
87	Cut;	Pit filled by 86
88	Cut;	Ditch filled by 77
89	Deposit;	10YR 3/6, silty clay, dump deposit
90	Cut;	Ditch filled by 93, 94, 95, 96
91	Cut;	Ditch filled by 122, 123, 124
92	Deposit;	10YR 3/4, silt, remnant of Deposit 2
93	Deposit;	10YR 4/3, silty clay, upper fill of Cut 90
94	Deposit;	10YR 4/4, silty clay, fill of Cut 90
95	Deposit;	10YR 4/6, silty clay, fill of Cut 90
96	Deposit;	10YR 3/6, silty clay, basal fill of Cut 90
97	Deposit;	10YR 3/4, silt, remnant of Deposit 2
98	Deposit;	2.5YR 3/4, silty clay, fill of Cut 116
99	Deposit;	10YR 3/4, silty clay, upper fill of Cut 101
100	Deposit;	10YR 4/4, sandy clay, lower fill of Cut 101
101	Cut;	Pit filled by 99, 100
102	Deposit;	10YR 3/4, silty clay, fill of Cut 74
103	Deposit;	10YR 3/4, silty clay, fill of Cut 104
104	Cut;	Pit filled by 103
105	Deposit;	2.5YR 3/4, silty sand, fill of Cut 76

106	Deposit;	10YR 4/4, silty clay, fill of Cut 112
107	Deposit;	10YR 6/3, silty clay, upper fill of Cut 109
108	Deposit;	10YR 6/3, silty clay, lower fill of Cut 109
109	Cut;	Ditch segment filled by 107, 108
110	Deposit;	10YR 6/3, silty clay, fill of Cut 111
111	Cut;	Gully filled by 110
112	Cut;	Ditch filled by 106
113	Deposit;	10YR 4/4, sandy clay, fill of Cut 115
114	Skeleton;	Juvenile burial within Cut 115
115	Cut;	Grave filled by 113, 114
116	Cut;	Ditch terminal filled by 67, 98, 105
117	Deposit;	10YR 3/4, silty, upper fill of Cut 119
118	Deposit;	10YR 2/2, silty, lower fill of Cut 119
119	Cut;	Ditch filled by 117, 118
120	Deposit;	10YR 4/2, silty clay, fill of Cut 121
121	Cut;	Posthole filled by 120
122	N/A	Number not assigned
123	N/A	Number not assigned
124	N/A	Number not assigned
125	Deposit;	10YR 4/3, silty clay, upper fill of Cut 127
126	Deposit;	10YR 4/6, silty clay, lower fill of Cut 127
127	Cut;	Pit filled by 125, 126
128	Deposit;	10YR 3/3, silty clay, fill of Cut 129
129	Cut;	Pit filled by 128
130	Deposit;	10YR 4/4, silty, fill of Cut 131
131	Cut;	Modern service trench filled by 130
132	Deposit;	10YR 4/4, silty, fill of Cut 183
133	Deposit;	10YR 4/3, silty, fill of Cut 134
134	Cut;	Pit filled by 133
135	Deposit;	10YR 4/4, sandy clay, upper fill of Cut 136
136	Cut;	Ditch segment filled by 135, 180, 181, 182
137	Deposit;	10YR 4/4, sandy clay, fill of Cut 139
138	Skeleton;	Adult burial within Cut 139
139	Cut;	Grave filled by 137, 138
140	Structure;	Modern pipe within Cut 131
141	Deposit;	10YR 4/4, silty clay, fill of Cut 151
142	Deposit;	10YR 4/4, silty clay, fill of Cut 143
143	Cut;	Pit filled by 142
144	Deposit;	10YR 4/2, silty clay, fill of Cut 145
145	Cut;	Pit filled by 144
146	Deposit;	10YR 4/2, silty clay, upper fill of Cut 159
147	Deposit;	10YR 5/2, silty clay, fill of Cut 159
148	Deposit;	10YR 4/2, silty clay, upper fill of Cut 198
149	Deposit;	10YR 2/1, silty clay, fill of Cut 150
150	Cut;	Pit filled by 149
151	Cut;	Gully filled by 141
152	Deposit;	10YR 2/1, silty clay, fill of Cut 183
153	Deposit;	10YR 2/2, silty clay, fill of Cut 183
154	Deposit;	10YR 2/2, silty clay, fill of Cut 183
155	Deposit;	10YR 4/2, silt, upper fill of Cut 157
156	Deposit;	10YR 4/2, silt, lower fill of Cut 157
157	Cut;	Ditch segment filled by 155, 156
158	Deposit;	10YR 5/4, silty clay, fill of Cut 159
159	Cut;	Ditch segment filled by 157
160	Deposit;	10YR 2/1, silty clay, fill of Cut 161
161	Cut;	Pit filled by 160, 165, 164

162	Deposit;	10YR 3/4, silt, remnant of Deposit 2
163	Deposit;	10YR 4/2, silt clay, fill of Cut 157
164	Deposit;	10YR 4/3, silt clay, fill of Cut 161
165	Deposit;	10YR 7/1, gravel, fill of Cut 161
166	Deposit;	10YR 7/1, gravel, fill of Cut 150
167	Deposit;	10YR 4/3, silty clay, fill of Cut 150
168	Deposit;	10YR 4/3, silty clay, fill of Cut 183
169	Deposit;	10YR 4/2, silty clay, fill of Cut 170
170	Cut;	Pit filled by 169
171	Deposit;	10YR 4/4, silty clay, fill of Cut 159
172	Deposit;	10YR 3/3, silty clay, fill of Cut 173
173	Cut;	Modern service trench filled by 172
174	Deposit;	10YR 4/3, silty clay, fill of Cut 183
175	Deposit;	10YR 4/4, silty clay, fill of Cut 183
176	Deposit;	10YR 4/2, silty clay, fill of Cut 177
177	Cut;	Modern field drain filled by 176
178	Cut;	Modern service trench filled by 179
179	Deposit;	10YR 3/3, silty clay, fill of Cut 178
180	Deposit;	10YR 4/6, sandy clay, fill of Cut 136
181	Deposit;	10YR 5/8, sandy clay, fill of Cut 136
182	Deposit;	10YR 3/6, silty clay, fill of Cut 136
183	Cut;	Ditch segment filled by 152, 154, 153, 132, 141, 168, 174, 175
184	Deposit;	Modern hardcore
185	Deposit;	10YR 3/6, silty clay, fill of Cut 186
186	Cut;	Modern service trench filled by 185, 140
187	Deposit;	10YR 3/6, silty clay, fill of Cut 189
188	Deposit;	10YR 2/6, silty clay, fill of Cut 189
189	Cut;	Ditch segment filled by 185, 140, 187, 188
190	Deposit;	10YR 2/6, silty clay, fill of Cut 192
191	Deposit;	10YR 2/3, silty clay, fill of Cut 192
192	Cut;	Ditch segment filled by 190, 191
193	Deposit;	10YR 4/2, silty clay, fill of Cut 194
194	Cut;	Ditch segment filled by 193
195	Deposit;	10YR 4/4, silty clay, fill of Cut 196
196	Cut;	Ditch segment filled by 195
197	Deposit;	7.5YR 3/4, silty clay, fill of Cut 198
198	Cut;	Ditch segment filled by 148, 197, 209, 210, 211, 206, 207, 208
199	Deposit;	10YR 3/2, clay, modern deposit
200	Deposit;	10YR 3/2, clay, modern deposit
201	Deposit;	10YR 3/4, silty clay, fill of Cut 198
202	Deposit;	10YR 4/6, silty clay, fill of Evaluation Phase Cut 3021
203	Deposit;	10YR 3/4, silt, remnant of Deposit 2
204	Deposit;	10YR 3/3, silty clay, fill of Cut 161
205	Deposit;	10YR 3/3, silty clay, fill of Cut 150
206	Deposit;	10YR 3/4, silty clay, fill of Cut 198
207	Deposit;	10YR 3/2, silty clay, fill of Cut 198
208	Deposit;	10YR 3/4, silty clay, fill of Cut 198
209	Deposit;	10YR 4/4, silty clay, fill of Cut 198
210	Deposit;	10YR 3/4, silty clay, fill of Cut 198
211	Deposit;	10YR 3/3, silty clay, fill of Cut 198
212	Deposit;	10YR 3/3, silty clay, fill of Cut 215
213	Deposit;	10YR 4/3, silty clay, fill of Cut 215
214	Deposit;	10YR 4/6, silty clay, fill of Cut 215
215	Cut;	Ditch segment filled by 212, 213, 214
216	Deposit;	10YR 3/6, sandy clay, dump deposit
217	Deposit;	10YR 3/6, sandy clay, fill of 219

218	Skeleton;	Infant burial within Cut 219
219	Cut;	Grave filled by 217, 218
220	Deposit;	7.5YR 3/6, sandy clay, dump deposit
221	Deposit;	10YR 4/6, silty clay, fill of Cut 229
222	Deposit;	10YR 4/3, sand, fill of Cut 229
223	Deposit;	10YR 3/4, silty clay, fill of Cut 224
224	Cut;	Ditch segment filled by 223
225	Deposit;	10YR 3/2, silty clay, fill of Cut 226
226	Cut;	Pit filled by 225
227	Deposit;	10YR 4/3, silty clay, fill of Cut 228
228	Cut;	Pit filled by 227
229	Cut;	Modern pond filled by 221, 220, 222
230	Structure;	Chalk rubble floor
231	N/A	Number not assigned
232	N/A	Number not assigned
233	N/A	Number not assigned
234	N/A	Number not assigned
235	N/A	Number not assigned
236	N/A	Number not assigned
237	N/A	Number not assigned
238	N/A	Number not assigned
239	N/A	Number not assigned
240	N/A	Number not assigned
241	N/A	Number not assigned
242	N/A	Number not assigned
243	N/A	Number not assigned
244	N/A	Number not assigned
245	N/A	Number not assigned
246	N/A	Number not assigned
247	N/A	Number not assigned
248	N/A	Number not assigned
249	N/A	Number not assigned
250	N/A	Number not assigned
251	Deposit;	10YR 4/2, silty clay, fill of Cut 252
252	Cut;	Posthole filled by 251
253	Deposit;	10YR 4/2, silty clay, spread
254	Deposit;	Modern chalk hardcore/ levelling deposit
255	Deposit;	Modern chalk hardcore/ levelling deposit
256	Deposit;	Modern chalk hardcore/ levelling deposit
257	Deposit;	10YR 4/2, silty clay, spread
258	Deposit;	10YR 3/4, silty clay, fill of Cut 259
259	Cut;	Pit filled by 258
260	Deposit;	10YR 4/3, silty clay, fill of Cut 261
261	Cut;	Pit filled by 260
262	Deposit;	10YR 3/3, silty clay, fill of Cut 263
263	Cut;	Posthole filled by 262
264	Deposit;	10YR 4/4, sandy clay, fill of Cut 265
265	Cut;	Posthole filled by 264
266	Deposit;	10YR 3/4, sandy clay, fill of Cut 267
267	Cut;	Gully filled by 266
268	Deposit;	10YR 4/4, sandy clay, fill of Cut 269
269	Cut;	Posthole filled by 268
270	Deposit;	10YR 6/6, silty sand, fill of Cut 272
271	Skeleton;	Infant burial within Cut 272
272	Cut;	Grave filled by 270, 271
273	Structure;	Chalk hardcore yard surface

274	Deposit;	10YR 4/3, silty sand, fill of Cut 275
275	Cut;	Ditch filled by 274
276	Deposit;	10YR 4/2, silty clay, fill of Cut 277
277	Cut;	Pit filled by 277
278	Deposit;	10YR 4/2, silty clay, fill of Cut 279
279	Cut;	Ditch filled by 278
280	Deposit;	10YR 3/3, silty clay, spread
281	Deposit;	10YR 4/2, silty clay, fill of 282
282	Cut;	Ditch filled by 281
283	Deposit;	10YR 4/3, sandy clay, fill of Cut 284
284	Cut;	Ditch filled by 283

APPENDIX 2

Finds Catalogue

Low Farm, Kirby Grindalythe 01-09-05

Context	Type	S.F.	Quantity	Description	Weight	(Spot Date
1	Pottery		37	7 rim sherds 26 body sherds 4 base sherds	1270	C15th
3	Pottery		2	2 body sherds	6	C19th
	Glass modern		1	fragments	11	
4	Pottery		4	4 body sherds	23	C13/14th
	Animal Bone		4	fragments	22	
15	Pottery		40	9 rim sherds 21 body sherds 1 handle 9 base sherds	305	C12/13th
	Animal Bone		12	fragments	25	
	Human Bone		2	fragments	4	
17	Pottery		6	4 rim sherds 2 body sherds	46	C12/13th
	Animal Bone		3	fragments	83	
22	Pottery		3	1 rim sherd 2 body sherds	17	C12/13th
	Animal Bone		2	fragments	5	
	Animal Bone		2	fragments	25	
34	Pottery		3	3 body sherds	22	
36	Animal Bone		55	fragments	160	
39	Pottery		10	1 rim sherd 9 body sherds	33	C19/20th
	Animal Bone		4	fragments	5	
41	Pottery		7	7 body sherds	273	
43	Pottery		1	1 body sherd	20	
	Animal Bone		22	fragments	161	
45	Pottery		150	14 rim sherds 136 body sherds	1160	Romano-British
	Animal Bone		2	fragments	5	
46	Pottery		4	4 body sherds	23	Romano-British
	Animal Bone		1	fragments	2	
47	Pottery		7	7 body sherds	110	

	Animal Bone		7	fragments	21	
48	Pottery		1	1 rim sherd	19	
		SF. 3	1	Decorated rim sherd	23	
	Animal Bone		5	fragments	16	
49	Pottery		9	8 body sherds 1 base sherd	75	
	Animal Bone		10	fragments	27	
54	Pottery		9	9 body sherds	112	
56	Pottery		8	2 rim sherds 6 body sherds	65	C12/13th
	Animal Bone		25	fragments	242	
57	Pottery		3	3 body sherds	34	
	Animal Bone		29	fragments	360	
59	Pottery		17	1 rim sherd 16 body sherds	75	C12th
	Animal Bone		2	fragments	5	
61	Pottery		28	1 rim sherd 20 body sherds 2 handles 5 base sherds	198	C19/20th
	Animal Bone		3	fragments	13	
65	Pottery		7	7 body sherds	149	
67	Pottery		1	1 rim sherd	94	C18th+
	Animal Bone		2	fragments	17	
68	Pottery		15	2 rim sherds 11 body sherds 2 base sherds	128	Romano-British
	Animal Bone		3	fragments	73	
69	Pottery		2	2 body sherds	9	?C16th
	Animal Bone		4	fragments	12	
71	Pottery		8	8 base sherds	129	
	Animal Bone		76	fragments	550	
72	Pottery		2	2 body sherds	35	
	Animal Bone		10	fragments	30	
	Human Bone		1	fragments	1	
77	Pottery		3	2 body sherds 1 base shed	50	?Romano-British
	Animal Bone		22	fragments	248	
78	Animal Bone		14	fragments	291	

79	Pottery	2	2 body sherds	45	
89	Pottery	59	7 rim sherds 49 body sherds 3 base sherds	1322	
	Animal Bone	26	fragments	174	
	Slag	2	pieces	16	
98	Pottery	3	2 rim sherds 1 body sherd	14	?Romano-British
	Animal Bone	14	fragments	175	
99	Animal Bone	1	fragments	1	
105	Animal Bone	1	fragments	37	
106	Pottery	37	36 body sherds 1 base sherd	816	
	Animal Bone	11	fragments	154	
	Human Bone	2	fragments	3	
107	Pottery	3	2 body sherds 1 base sherd	36	
	Animal Bone	11	fragments	154	
108	Animal Bone	6	fragments	33	
110	Pottery	1	1 body sherd	8	
	Animal Bone	2	fragments	25	
113	Pottery	15	2 rim sherds 13 body sherds	290	
	Animal Bone	18	fragments	122	
117	Pottery	19	19 body sherds	211	
	Animal Bone	1	fragments	1	
122	Pottery	4	4 body sherds	22	
123	Pottery	11	11 body sherds	121	
	Animal Bone	6	fragments	29	
124	Pottery	1	1 body sherd	5	
	Animal Bone	4	fragments	7	
128	Pottery	20	3 rim sherds 16 body sherds 1 base sherd	311	?C12/13th
	Animal Bone	10	fragments	44	
132	Pottery	3	3 body sherds	17	Romano-British
	Animal Bone	2	fragments	8	
135	Animal Bone	17	fragments	949	
137	Pottery	11	10 body sherds	77	

	Animal Bone	9	1 base sherd fragments	96	
142	Pottery	1	1 body sherd	13	
	Animal Bone	1	fragments	16	
144	Pottery	4	2 rim sherds	33	C12/13th
	Animal Bone	3	2 base sherds fragments	15	
146	Pottery	12	10 body sherds	112	Romano-British
	Animal Bone	13	1 handle 1 base sherd fragments	119	
147	Pottery	136	10 rim sherds	1590	
	Animal Bone	45	114 body sherds 12 base sherds fragments	255	
148	Pottery	6	3 rim sherds	118	?Romano-British
		13	3 body sherds fragments	281	
149	Pottery	1	1 body sherd	5	C12/13th
	Animal Bone	1	fragments	4	
152	Pottery	2	1 body sherd	38	?Romano-British
		2	1 base sherd fragments	15	
156	Pottery	19	4 rim sherds	173	C12/13th
			14 body sherds 1 base sherd		
158	Pottery	4	4 body sherds	30	
	Animal Bone	1	fragments	23	
159	Pottery	17	1 rim sherd	73	
	Animal Bone	2	16 body sherds fragments	5	
160	Pottery	1	1 body sherd	24	
	Animal Bone	1	fragments	51	
162	Pottery	9	9 body sherds	61	C18/19th
	Animal Bone	19	fragments	298	
163	Pottery	8	2 rim sherds	52	C13/14th
	Animal Bone	2	6 body sherds fragments	21	
168	Animal Bone	7	fragments	105	
169	Pottery	12	3 rim sherds	261	?Romano-British
			7 body sherds		

	Animal Bone	5	2 base sherds fragments	20	
172	Pottery	2	1 rim sherd 1 body sherd	16	Romano-British
187	Pottery	31	4 rim sherds 25 body sherds 1 handle 1 base sherd fragments	632	R-B or C12/14th
	Animal Bone	54		1720	
188	Pottery	23	1 rim sherd 20 body sherds 2 base sherd	234	Romano-British
190	Pottery	12	12 body sherds	380	
	Animal Bone	6	fragments	80	
191	Pottery	8	8 body sherds	151	
	Animal Bone	8	fragments	124	Romano-British
193	Pottery	3	3 body sherds	22	
	Animal Bone	6	fragments	34	
197	Pottery	12	2 rim sherds 9 body sherds 1 base sherd fragments	224	Romano-British
	Animal Bone	1		1	
201	Pottery	25	4 rim sherds 18 body sherds 3 base sherds fragments	214	Romano-British
	Animal Bone	2		1	
212	Pottery	1	1 rim sherd	21	
	Animal Bone	2	fragments	11	
213	Pottery	3	2 body sherds 1 base sherd fragments	53	
	Animal Bone	13		72	
214	Pottery	5	5 body sherds	71	
	Animal Bone	7	fragments	82	C12th
	Human Bone	1	fragments	1	
221	Pottery	4	1 rim sherd 3 body sherds fragments	42	C18/19th
	Animal Bone	12		143	
223	Pottery	11	1 rim sherd 10 body sherds	93	C12/13th
227	Pottery	16	2 rim sherds 12 body sherds	252	
	Animal Bone	3	fragments	6	

230	Pottery	3	3 body sherds	16	Romano-British
251	Pottery	14	3 rim sherds 10 body sherds 1 base sherd	247	
	Animal Bone	78	fragments	475	
258	Pottery	2	1 rim sherd 2 body sherds	32	
	Animal Bone	3	fragments	9	
262	Pottery	4	4 body sherds	129	
	Animal Bone	9	fragments	147	
264	Pottery	1	1 body sherd	24	
	Slag	1	piece	2	
266	Pottery	1	1 body sherd	12	
	Animal Bone	1	fragments	2	
270	Pottery	4	4 body sherds	33	C13/14th
	Animal Bone	2	fragments	9	
	Human Bone	3	fragments	4	
274	Pottery	3	1 rim sherd 2 body sherds	17	
	Animal Bone	14	fragments	120	
276	Animal Bone	8	fragments	70	
278	Animal Bone	8	fragments	125	
283	Pottery	3	3 body sherds	14	
		6	fragments	24	
	Human Bone	7	fragments	7	
3022	Pottery	4	2 body sherds 2 base sherds	83	
	Animal Bone	14	fragments	172	
3026	Pottery	6	6 body sherds	70	
	Animal Bone	3	fragments	23	

POTTERY ASSESSMENT REPORT

Summary

A total of 978 pottery sherds were recovered from the archaeological excavation at Low Farm, Kirby Grindalythe, North Yorkshire. There are 781 Late Iron Age / Romano-British calcite-gritted, 33 Romano-British Greyware and Oxidised Coarseware, 135 medieval, and 29 post-medieval and modern sherds. The earliest material dates from the Late Iron Age, continuing into the 3rd/4th century, with a gap until the 12th century. Material later than the 15/16th century is scarce. All the medieval sherds are of local or regional manufacture.

Description

Late Iron Age / Romano-British Calcite-gritted wares

This category forms the majority of the assemblage (781 sherds), but most of this material consists of featureless body sherds that are difficult to closely date because of the currency of calcite-gritted fabrics throughout the later Iron Age and Romano-British periods. However, the simple squared rims of large jars from e.g. contexts 1 and 147, the plain, slightly flared rim from context 89, the finger-tip decorated rim from context 113 and the ring-handle from context 187 are more securely of Late Iron Age or 1st/2nd century type. The jar from context 45 can be securely dated to the 3rd/4th centuries.

Romano-British

There are 30 Greyware sherds, including the rims of three plain dishes of 3rd century date, probably from Crambeck. The rim of a medium-sized jar with an everted rim (context 187) is of 2nd/3rd century date and is also a probable Crambeck product. The mortarium rim in white-slipped Oxidised Coarseware from context 187 is of 2nd century date; the other sherds in this fabric (plain body sherds from contexts 169 and 197) are of similar date.

Medieval

The earliest medieval material is of 12th century date, and is represented by 15 sherds of Beverley type-1 ware, a single sherd of Splashed ware (context 223) and 2 sherds from a Stamford-type crucible (context 56). The Beverley-type 1 sherds are largely from cooking pots (e.g. from contexts 17 and 214) but with some glazed jugs represented (e.g. context 144). The relatively small amounts of Gritty ware (5 sherds) and York glazed ware (6 sherds) span the 12th century into the first half of the 13th century. The Gritty ware sherds are from cooking pots, with the York glazed ware being from glazed jugs.

Staxton/Potter Brompton ware sherds formed the largest part of the medieval material at 92 sherds. This fabric spans the period covering the 12th to the 14th century. The majority of the vessels consist of cooking pots with flaring or clubbed rims (eg. from contexts 1, 156 and 163), although there is a bowl rim from context 22.

13/14th century glazed jugs are represented by the 2 Brandsby-type sherds, 4 Scarborough ware sherds (3 of these from the same jug in context 3) and 5 Beverley-type 2 sherds. There were 2 sherds of 15th / 16th century Humber ware.

Post-medieval

Post-medieval material was sparse, consisting of 5 Nottingham-type stoneware sherds, 11 Blackware sherds, a single Slipped Redware sherd and 12 blue and white transfer ware sherds.

Conclusions

The assemblage indicates activity at the site from the Late Iron Age to the 4th century, with a gap of 700 years until the 12th century, followed by a tailing off of activity from the end of the medieval period.

Calcite-gritted material of the Late Iron Age / Romano-British period dominates the assemblage, with some sherds being of definite Roman date. The dateable Greyware and Oxidised Coarseware is of 2nd / 3rd century date.

Staxton ware cooking pots and rarer bowls formed the greater part of the medieval assemblage and, along with the Gritty Ware and Beverley-type 1 cooking pots, shows a distinct bias towards vessels connected with food-preparation, with a modicum of food-serving vessels. This would be anticipated for material deriving from peasant households.

As far the taphonomy of the assemblage (i.e. how the material came to be present in the deposits where it was found), the small sherd size of the medieval material and its relatively high degree of abrasion (e.g. from contexts 59 and 61) suggests that the sherds have been reworked, presumably during cultivation.

Conversely, there are three groups of calcite-gritted sherds (contexts 45, 147 and 227), where the relatively large sherd size, matching of sherds and lack of abrasion suggests the disposal of material soon after its breakage.

There is a fair degree of residuality in the assemblage, for example contexts 56, 59, 156 contained a mixture of Romano-British and medieval material.

Recommendations

All of the material should be retained as a well-stratified, scientifically recovered assemblage from Kirby Grindalythe that complements assemblages from other Late Iron Age and medieval sites on the Wolds.

Sherds representing approximately 65 vessels should be illustrated in any publication report.

Low Farm, Kirby Grindalyhte
Assessment of Animal Bone

Context	No.	Weight gms	Taxon	Element	Part of Element	Butchery	Notes
4	4	2.2	Bos	Rib	Shaft & prox x 4		
15	12	2.5	Ovis	Ulna ?	Shaft fragment Fragments x 11		Juvenile Too small for ID
17	3	8.3	Bos	Tarsus ?	Complete Fragments x 2		
22	2	0.5	?	?	Fragments x 2		
34	2	2.5	Bos	Scapula	Fragments x 2		
36	55	1.6	Bos ? ?Bos Ovis	Metarsus ?Tibia ? Ribs	Shft frags x 2 Shaft frags x 13 Fragments x 16 Shaft frags x 8 Shaft & prox frags x 3		
				Vertebrae Phlange ?	Cervical Middle phalanx Fragments x 5		
39	4	0.5	Ovis		Fragments x 4		
43	22	1.61	Sus	Skull Mandible Tooth Scapula Rib Femur ?	Fragments x 14 Fragments x 2 Tusk Fragment Shaft & prox frag Distal fragment Fragments x 2		Young adult
45	1	0.5	?	?	Fragments x 1		
46	1	0.2	?	?	Fragment		
47	7	2.1	Bos Ovis	Tooth Pelvis Tooth ?	Molar Fragment Molar Fragment		
48	5	1.6	Ovis ?	Rib Vertebrae ?	Shaft fragment Cervical fragment Fragments x 3		
49	10	2.7	Bos Ovis ?	Tooth Tooth	Molar Molar Fragment x 8		

50	6	24.2	Ovis	Ulna Rib Tooth ?	Shaft frags x 2 Shaft fragment Molar Fragments x 2	1 calcined
57	29	36	Bos Ovis	Pelvis Tooth Rib Rib Vertebrae Ulna Radius Tooth Tibia Rib	Fragments x 9 Molar 2 shaft fragments 2 Prox shaft frags Thoracic Shaft fragment Shaft fragment Molar Shaft frags x 3 Shaft frags x 7 Shaft & prox frag	Split
59	2	0.5	?	?	Fragments x 2	
61	3	1.3	Canus	Mandible	Fragment & teeth	Small - terrier size
67	2	1.7	Ovis	Tibia	Shaft fragments	
69	3	1.2	Bos Ovis	Tooth Mandible Rib	Molar Fragments x 1 Shaft fragment	
71	76	55	Bos Ovis	Skull Mandible Teeth Pelvis Rib Metatarsus	Fragments x 37 Fragments x 24 Molars x 7 Ischium fragment Shaft frags x 6 Shaft & prox frag	
72	10	3	Ovis	Metatarsus Tibia Rib Tooth ?	Shaft & distal frags x 2 Shaft fragment Shaft frags x 2 Molar Fragments x 4	Jeuvenile
77	22	24.8	Bos	Vertebrae Rib Fibula Ulna Skull Tarsus	Cervical Fragments x 3 Shaft frags x 4 Shaft fragment Shaft fragment Fragments x 9 Complete	
78	14	29.1	Bos Ovis ?	Ulna Pelvis Radius Phalange Rib	Shaft fragment Ischium fragment Shaft frags x 2 2nd phalanx Shaft fragment Fragments x 7	45 degree cut chop mark

89	26	17.4	Bos	Rib	Shaft fragment		
				Tooth	Molar		
				?	Fragment		
				?	Fragment		calcined
			Ovis	Femur	Shaft fragment		
				Rib	Shaft frags x 6		
				Metacarpus	Shaft fragment		
				Ulna	Shaft frags x 2		Jevenile
				Skull	Fragments x 3		
				Phlange	Distal		
				Teeth	Molar x 2		Jevenile
				Tooth	Front		
				Jaw	Fragment		
			?	?	Fragments x 5		
99	1	0.01	?	?	Fragment		
105	1	3.7	Bos	Tibia	Shaft fragment		
106	11	15.4	Bos	Tibia	Shaft frags x 9		Same bone
			Ovis	Fibula	Shaft fragment		
				?	Fragments x 2		
107	11	15.4	Bos	Tibia	Shaft frags x 2		
			Ovis	Skull	Fragments x 5		Orbital
				Tibia	Shaft fragment		Jevenile
				Fibula	Shaft fragment		
				Rib	Shaft frags x 2		
				Rib	Shaft & prox frag		
108	6	3.3	Ovis	Skull	Fragments x 2		
				Metarsus	Shaft fragment		
				Mandible	Fragment		
				Rib	Shaft fragment		
				Rib	Shaft & proximal frag		Jevenile
110	2	2.5	Ovis	Radius	Shaft fragment		
				Ulna	Shaft fragment		
113	18	12.2	Ovis	Skull	Fragments x 4		
				Vertebrae	Thoracic fragment		
				Rib	Shaft frags x 2		
				Rib	Shaft & prox x 2		
				Tibia	Shaft fragment	Sliced	
				Ulna	Shaft frags x 2		Jevenile
				Mandible	Fragment		
				?	Fragmetns x 5		
117	1	0.1	?	?	Fragment		
123	6	2.9	Ovis	Tibia	Shaft fragment		
				Radius	Shaft fragment		
				Rib	Shaft fragments x 2		
				?	Fragments x 2		

124	4	0.7	Ovis	Radius Tooth	Shaft fragment Molar x 2 Fragment x 1	Jeuvenile
128	10	4.4	Bos Ovis	Phlange Rib Metatarsus	Distal/first 3 x shaft frags shaft fragment Fragments x 5	? Possible chop marks
132	2	0.8	Bos Sus	Rib Tooth Tooth	shaft fragment Molat Canine - tusk	
137	9	9.6	Bos Ovis	Vertebrae Tooth Rib Tooth Mandible	Cervical Molar Shaft frags x 4 Molar Fragments x 2	Jeuvenile
142	1	1.6	Bos	Tooth	Molar	
144	3	1.5	Bos Ovis	?	Fragment Fragments x 2	
146	13	11.9	Bos Ovis	Tooth Vertebrae Ulna Rib Rib Tooth Tibia ?	Molar Fragment Shaft fragment Shaft frags x 2 Shaft frags x 2 Molar Fragment Frgments x 6	
147	45	25.5	Bos Ovis	Skull Mandible Teeth Ulna ? Tarsus Rib Rib Tooth ? ?	Fragment Fragments x 4 Molars x 2 Shaft fragment Fragments x 3 Complete Shaft frags x 13 Shaft & prox x 2 Molars x 2 Fragments x 15 Fragment	Jeuvenile Too small for ID Burnt
149	1	0.4	Ovis	Metatarsus	shaft & distal fragment	Partially burnt
156	1	2.3	Ovis	Rib	Shaft & prox frag	Jeuvenile
158	9	1	Ovis	Rib Scapula	3 x shaft frags fragments x 2	Jeuvenile Jeuvenile

				Metatarsus ?	shaft fragment Fragments x 3	Jeuvenile 1 calcined
160	1	5.1	Bos	Ulna	Shaft fragment	? Chopped
162	19	29.8	Bos	Rib Jaw Teeth	Shaft frags x 4 Fragments x 8 Molars x 6	
			Ovis	Tooth	Molar	
163	2	2.1	?	?	Fragments x 2	
168	7	10.5	Bos	Mandible Mandible Teeth	Jaw & teeth x 2 fragments Molars x 4	
169	5	2	Bos Ovis	Radius Rib	Distal fragment 4 x shaft frags	Jeuvenile
187	54	17.2	Bos	Femur Rib Rib Mandible Teeth Skull Vertebrae Scapula Skull Tibia Phlange Metarsus Metarsus ? Ovis Mandible Pelvis Ulna Metacarpus Metatarsus Rib Rib Sus ? Mandible ?	Shaft fragment Shaft frags x 6 Shaft & prox frag Fragments x 6 Molars x 6 Fragments x 8 Thoracic x 2 Fragment horn attached Shaft fragment 1st phalanx Prox fragment Distal fragment Fragments x 7 Fragment - lower Fragment Shaft fragment Shaft fragment Shaft frags x 2 Shaft frag x 2 Shaft & prox frag Lower Fragments x 2	1 diseased
190	6	8	Bos Ovis	Mandible Teeth Ulna Rib Phlange	Lower + teeth Molars x 2 Shaft fragment Shaft fragment Proximal phlanx	
191	8	12.4	Bos Ovis	Mandible Teeth ?	Fragments x 4 Molars x 3 Fragment	Very worn
193	6	3.4	Bos Ovis	Teeth Rib ?	Molars x 2 Shaft fragment Fragments x 3	1 burnt

197	1	0.1	Ovis	Rib	Shaft fragment		
201	2	0.1	Ovis	Rib	Shaft frags x 2	Chopped	Young adult
212	2	1.1	Bos	?	Fragments x 2		1 calcined
213	13	7.2	Bos	Tooth ?	Molar Fragments x 4		
			Ovis	Tibia Rib Phlange	Shaft frags x 2 Shaft frags x 4 Distal phalanx x 2		
214	7	8.2	Bos	Mandible Metarsus	Fragment Shaft fragment		
			ovis	Rib ?	Shaft fragment Fragmetns x 4		
221	12	14.3	Bos	Tibia Vertebrae ?	Shaft fragment Lumbar fragment Fragments x 9		?Radius
			Ovis	Tooth	Molar		
227	3	0.6	Ovis	Tarsus ?	Complete Fragments x 2		Jeuvenile
258	3	0.9	Ovis	Ulna	Shaft frags x 3		
262	9	14.7	Bos	Radius Tooth Metatrsus Mandible	Prox & shaft frag Molar Prox & shaft frag Fragments x 6		Ridged
266	1	0.2	?	?	Fragment		
270	2	0.9	Bos Ovis	Tooth Rib	Molar Shaft & distal		
274	14	12	Bos	Rib Tooth	Shaft & prox frag Molar		
			Ovis	Skull Metarsus Rib Radius Phlange ?	Fragments x 3 Shaft frags x 2 Shaft fragment Shaft fragment Distal phalanx Fragments x 4		
276	8	7	Bos	Rib Phlange ?	Shaft frags x 2 2nd phlanx x 2 Fragment		
			Ovis	Rib Metacarpus	Shaft fragment Fragment x 3		Fragments join
278	8	12.5	Bos	Scapula Mandible	Fragments x 4 Fragment		

			Ovis	Phlange Scapula Tibia	3rd Fragment Shaft fragment	
283	5		Bos	Tooth	Molar	
			Ovis	Phlange 2 frags	Middle/second	x 2
3022	14	17.2	Bos	Vertebrae Mandible	Thoracic frags x 3 plus molars	Very worn - old age
			Ovis	Ribs Radius Pelvis ?	Shaft frags x 5 Shaft fragment Fragment Fragments x 3	
3026	3	7	Bos	?	Fragment	
			?	?	Fragments x 2	

Discussion

The animal bone recovered from the excavations at Low Farm, Kirby Grindalythe is in a reasonable condition but is in a very fragmentary state. Although some modern breaks were noted this assemblage was deposited in a fragmentary state in antiquity. Only a small amount of the assemblage shows evidence for butchery therefore the depositional process on site must therefore account for the fact that there are no complete "long bones" from any of the species present in the faunal record.

The assemblage recovered from the excavation is a relatively small assemblage and was dominated by the main meat producers - Ovis (sheep) and Bos (cow) with only a small incidence of Sus (pig). The collection also consisted of in the main adult animals with examples in context 3022 of a very mature animal possibly from dairy stock. Examples of younger animals being slaughtered come from contexts 147, 156, 158, 169, 201 and 227; and are all Ovis suggesting that sheep were the main meat contribution to the diet of the inhabitants of the settlement with the cattle being used for traction and only occasionally being used as a primary food source.

This assemblage should be retained if it was recovered from good stratified contexts. Non of the material recovered is suitable for radio-carbon dating.

APPENDIX 3

Drawing Archive Listing

Low Farm Kirby Gryndalythe 01-09-05

ng No.	Scale	Type	Description
1	1:20	Plan	Cut 20
2			
3	1:20	Plan	Cut 19
4	1:10	Section	South-facing section Cut 19
5	1:10	Section	Cuts 21, 25, 32
6	1:20	Plan	Cuts 21, 25, 32
7	1:10	Section	Cut 24
8	1:10	Section	Cut 23
9	1:10	Section	Cut 25
10	1:10	Section	Cut 26
11	1:20	Plan	Cut 27
12	1:10	Section	Cut 27
13	1:20	Plan	Cut 26
14	1:20	Plan	Cut 26
15	1:10	Section	East-facing section Cut 26
16	1:20	Plan	Cuts 23, 29
17	1:20	Plan	Cut 24
18	1:20	Plan	Cut 37
19	1:10	Section	Cut 26
20	1:10	Section	East-facing section Cut 29
21	1:20	Plan	Grid square 140E/90N
22	1:10	Section	North-facing section Cut 40
23	1:20	Plan	Cut 35
24	1:10	Section	Cut 35
25	1:10	Section	South-East-facing section Cut 42
26	1:20	Plan	Ditch Cut 42
27	1:10	Section	North-facing section Cut 37
28	1:10	Plan	Skeleton 50
29	1:10	Section	Cut 55
30	1:10	Section	South-facing section Cut 44
31	1:20	Plan	Ditch Cut 44
32	1:10	Section	South-facing section Cuts 52, 64
33	1:20	Plan	Grid square 95E/115N
34	1:20	Plan	Grid square 85E/115N
35	1:10	Section	East-facing section Cut 52
36	1:10	Section	North-facing section Cut 52
37	1:10	Section	West-facing section Cut 64
38	1:10	Section	South-facing section Cut 60
39	1:10	Section	South-facing section Cut 62
40	1:10	Section	East-facing section Cut 66
41	1:20	Plan	Grid square 90E/115N
42	1:20	Plan	Grid square 80E/115N
43	1:20	Plan	Grid square 150E/90N
44	1:10	Profile	Grave Cut 51
45	1:10	Profile	Cut 75
46	1:10	Section	Cut
47	1:10	Section	Cut 83
48	1:20	Plan	Grid square 150E/95N
49	1:10	Section	Cut 85

50	1:10	Profile	Cut 80
51	1:20	Plan	Cuts 75, 88
52	1:20	Plan	Grid square 105E/105N
53	1:20	Plan	Grid square 145E/90N
54	1:20	Plan	Grid square 140E/90N
55	1:20	Plan	Grid square 140E/95N
56	1:10	Section	Cut 76
57	1:10	Section	North-facing section Cut 70
58	1:10	Section	North-facing section Cuts 70, 74
59	1:10	Section	East-facing section Cuts 70, 74
60	1:10	Section	South-facing section Cut 74
61	1:10	Section	South-facing section Cut 104
62	1:10	Section	East-facing section Cuts 112, 115
63	1:10	Section	West-facing section Cut 101
64	1:10	Section	North-facing section Cut 101
65	1:10	Section	South-facing section Cuts 101, 83
66	1:10	Section	East-facing section Cut 101
67	1:10	Section	West-facing section Cut 116
68	1:10	Section	East-facing section Cut 109
69	1:10	Section	North-facing section Cut 119
70	1:10	Section	South-facing section Cut 116
71	1:10	Section	West-facing section Cuts 109, 111
72	1:20	Plan	Cut 119
73	1:20	Plan	Cut 116
74	1:10	Section	North-facing section Cut 111
75	1:20	Plan	Grid square 100E/105N
76	1:10	Section	South-facing section Cut 121
77	1:20	Plan	Cut 101
78	1:10	Section	East-facing section Cut 127
79	1:10	Section	Section Cuts 90, 91
80	1:10	Section	Cut 58
81	1:10	Plan	Skeleton 114
82	1:20	Plan	Grid square 110E/85N
83	1:20	Plan	Grid square 140E/95N
84	1:20	Plan	Grid square 145E/95N
85	1:20	Plan	Grid square 140E/95N
86	1:10	Section	Cut 145
87	1:20	Plan	Cut 58
88	1:10	Plan	Skeleton 138
89	1:20	Plan	Cut 139
90	1:10	Profile	Cut 139
91	1:20	Plan	Cut 157
92	1:10	Section	West-facing section Cuts 157, 70
93	1:10	Section	South-east facing section Cut 159
94	1:10	Section	South-facing section Cut 110
95	1:20	Plan	Cuts 173, 178
96	1:20	Plan	Cuts 173, 178
97	1:20	Plan	Cut 170
98	1:20	Plan	Grid square 150E/95N
99	1:20	Plan	Cut 183
100	1:10	Section	South-facing section Cut 183
101	1:10	Section	South-facing section Cuts 189, 192
102	1:10	Section	West-facing section Cuts 189, 192
103	1:20	Plan	Cuts 189, 192
104	1:10	Section	Section Cuts 112, 1134, 138, 129
105	1:10	Section	Section Cut 136

106	1:10	Section	Section Cut 112
107	1:20	Plan	Cut 198
108	1:20	Plan	Cut 198
109	1:10	Section	West-facing section Cuts 3021, 3025
110	1:20	Plan	Cuts 3021, 3025
111	1:10	Section	South-east facing section Cuts 161, 198
112	1:10	Section	West-facing section Cut 150
113	1:10	Section	North- facing section Cut 198
114	1:10	Plan	Skeleton 218
115	1:10	Section	North- facing section Cuts 194, 226
116	1:10	Section	West-facing section
117	1:10	Section	East-facing section
118	1:20	Plan	Cuts 223, 224
119	1:20	Plan	Grid square 140E/85N
120	1:20	Plan	Grid square 150E/85N
121	1:10	Section	Cut 215
122	1:10	Profile	Cut 219
123	1:10	Section	East-facing section Cut 91
124	1:10	Section	South-west facing section Cut 228
125	1:20	Plan	Grid square 140E/80N
126	1:20	Plan	Grid square 135E/90N
127	1:20	Plan	Grid square 135E/90N
128	1:20	Plan	Cut 252
129	1:20	Plan	Deposit 230
130	1:10	Section	South-facing section
131	1:20	Plan	Grid square 150E/100N
132	1:20	Plan	Grid square 130E/90N
133	1:10	Section	North- facing section Cut 133
134	1:20	Plan	Cut 198
135	1:10	Section	South-west facing section Cuts 261, 263, 265, 259
136	1:10	Section	North- facing section Cuts 269, 267
137	1:10	Section	South- facing section Cuts 198
138	1:10	Section	North- facing section Cut 279
139	1:10	Section	West-facing section Cuts 109, 111
140	1:10	Section	South-west facing section Cut 259
141	1:10	Section	Cut 279
142	1:20	Plan	Cut 279
143	1:10	Plan	Skeleton 271
144	1:10	Section	Cuts 275, 272
145	1:10	Section	Cuts 282
146	1:10	Section	Cuts 194, 196

APPENDIX 4

Photographic Archive Listing

Low Farm Kirby Grindalythe North Yorkshire

Film Number 831: Monochrome

Frame	Description	Scale	Facing
1	ID Shot	N/A	N/A
2	Cut of Gully 42	1 x 0.5m	North west
3	Cut of Gully 42	1 x 0.5m	North west
4	Pit Quadrant 40	2 x 1m	South
5	Pit Quadrant 40	2 x 1m	South
6	Pit Cut 35	1 x 1m, 1 x 0.5m	North
7	Pit Cut 35	1 x 1m, 1 x 0.5m	North
8	Ditch Segment 37	1 x 1m	South
9	Ditch Segment 37	1 x 1m	South
10	Skeleton 50	1 x 0.5m	East
11	Skeleton 50	1 x 0.5m	East
12	Ditch Segment 44	1 x 1m, 1 x 0.5m	South
13	Ditch Segment 44	1 x 1m, 1 x 0.5m	South
14	Ditch Segment 52	1 x 1m	North
15	Ditch Segment 52	1 x 1m	North
16	Gully 54	1 x 0.5m	North
17	Gully 54	1 x 0.5m	North
18	Ditch Segment 58	1 x 1m	East
19	Ditch Segment 58	1 x 1m	East
20	Gully 66	1 x 1m, 1 x 0.5m	West
21	Gully 66	1 x 1m, 1 x 0.5m	West
22	Feature 62	1 x 1m, 1 x 0.5m	North
23	Feature 62	1 x 1m, 1 x 0.5m	North
24	Gully 55	1 x 1m, 1 x 0.5m	West
25	Gully 55	1 x 1m, 1 x 0.5m	West
26	Grave Cut 51	1 x 0.5m	North
27	Grave Cut 51	1 x 0.5m	North
28	Linear Feature 70	1 x 1m, 1 x 0.5m	West
29	Linear Feature 70	1 x 1m, 1 x 0.5m	West
30	Pit 81	1 x 1m, 1 x 0.5m	South
31	Pit 81	1 x 1m, 1 x 0.5m	South
32	Ditch and Gully Segments 83 & 85	1 x 1m	East
33	Ditch and Gully Segments 83 & 85	1 x 1m	East
34	Pit and Linear Feature 75 & 88	1 x 1m	South
35	Pit and Linear Feature 75 & 88	1 x 1m	South
36	Intersection of Linear Features 70 & 74	2m, 1 x 1m	South
37	Intersection of Linear Features 70 & 74	2m, 1 x 1m	South

Film Number 828: Monochrome

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Overall pre-excavation shot, Area A	2 x 2m	North west
3	Overall pre-excavation shot, Area A	2 x 2m	North west
4	Overall pre-excavation shot, Area A	2 x 2m	South west
5	Overall pre-excavation shot, Area A	2 x 2m	South west

6	Overall pre-excavation shot, Area A	2 x 2m	West
7	Overall pre-excavation shot, Area A	2 x 2m	West
8	Pit 20	1 x 0.5m	North east
9	Pit 20	1 x 0.5m	North east
10	Pit 19	1 x 0.5m	North
11	Pit 19	1 x 0.5m	North
12	Pit 21	1 x 0.5m	North east
13	Pit 21	1 x 0.5m	North east
14	Pit 21	1 x 0.5m	North east
15	Pit 21	1 x 0.5m	North east
16	Posthole 23	1 x 0.5m	North
17	Posthole 23	1 x 0.5m	North
18	Pit 24	1 x 1m	East
19	Pit 24	1 x 1m	East
20	Ditch Terminal 26	1 x 1m, 1 x 0.5m	South
21	Ditch Terminal 26	1 x 1m, 1 x 0.5m	South
22	Ditch Segment 27	1 x 1m	North
23	Ditch Segment 27	1 x 1m	North
24	Feature 29	1 x 1m	West
25	Feature 29	1 x 1m	West
26	Feature 32	1 x 0.5m	East
27	Feature 32	1 x 0.5m	East
28	Pit 24	2 x 1m	North
29	Pit 24	2 x 1m	North
30	Overall pre-excavation shot, Area B	2 x 2m	South
31	Overall pre-excavation shot, Area B	2 x 2m	South
32	Overall pre-excavation shot, Area B	2 x 2m	South west
33	Overall pre-excavation shot, Area B	2 x 2m	South west
34	Overall pre-excavation shot, Area B	2 x 2m	South east
35	Overall pre-excavation shot, Area B	2 x 2m	South east
36	Overall pre-excavation shot, Area B	2 x 2m	North east
37	Overall pre-excavation shot, Area B	2 x 2m	North east

Film Number 827: Colour Print

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Overall pre-excavation shot, Area A	2 x 2m	North west
3	Overall pre-excavation shot, Area A	2 x 2m	North west
4	Overall pre-excavation shot, Area A	2 x 2m	South west
5	Overall pre-excavation shot, Area A	2 x 2m	South west
6	Overall pre-excavation shot, Area A	2 x 2m	West
7	Overall pre-excavation shot, Area A	2 x 2m	West
8	Pit 20	1 x 0.5m	North east
9	Pit 20	1 x 0.5m	North east
10	Pit 19	1 x 0.5m	North
11	Pit 19	1 x 0.5m	North
12	Pit 21	1 x 0.5m	North east
13	Pit 21	1 x 0.5m	North east
14	Pit 21	1 x 0.5m	North east
15	Pit 21	1 x 0.5m	North east
16	Posthole 23	1 x 0.5m	North
17	Posthole 23	1 x 0.5m	North

18	Pit 24	1 x 1m	East
19	Pit 24	1 x 1m	East
20	Ditch Terminal 26	1 x 1m, 1 x 0.5m	South
21	Ditch Terminal 26	1 x 1m, 1 x 0.5m	South
22	Ditch Segment 27	1 x 1m	North
23	Ditch Segment 27	1 x 1m	North
24	Feature 29	1 x 1m	West
25	Feature 29	1 x 1m	West
26	Feature 32	1 x 0.5m	East
27	Feature 32	1 x 0.5m	East
28	Pit 24	2 x 1m	North
29	Pit 24	2 x 1m	North
30	Overall pre-excavation shot, Area B	2 x 2m	South
31	Overall pre-excavation shot, Area B	2 x 2m	South
32	Overall pre-excavation shot, Area B	2 x 2m	South west
33	Overall pre-excavation shot, Area B	2 x 2m	South west
34	Overall pre-excavation shot, Area B	2 x 2m	South east
35	Overall pre-excavation shot, Area B	2 x 2m	South east
36	Overall pre-excavation shot, Area B	2 x 2m	North east
37	Overall pre-excavation shot, Area B	2 x 2m	North east

Film Number 829: Colour Print

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Pit and Linear Feature 75 & 88	1 x 1m	South
3	Pit and Linear Feature 75 & 88	1 x 1m	South
4	Intersection of Linear Features 70 & 74	2m, 1 x 1m	South
5	Intersection of Linear Features 70 & 74	2m, 1 x 1m	South
6	Ditch Segment 76	2m	West
7	Ditch Segment 76	2m	West
8	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
9	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
10	Ditch Segment 90	2m, 1 x 0.5m	East
11	Ditch Segment 90	2m, 1 x 0.5m	East
12	Ditch Segment 91	2 x 1 x 0.5m	West
13	Ditch Segment 91	2 x 1 x 0.5m	West
14	Pit 104	1 x 1m	North
15	Pit 104	1 x 1m	North
16	Pit and Ditch 83 & 101	1 x 1m, 1 x 0.5m	North
17	Pit and Ditch 83 & 101	1 x 1m, 1 x 0.5m	North
18	Ditch Segment 109	1 x 1m	West
19	Ditch Segment 109	1 x 1m	West
20	Ditch Segment 91	1 x 1m, 1 x 0.5m	West
21	Ditch Segment 91	1 x 1m, 1 x 0.5m	West
22	Ditch Segment 116	1 x 1m, 1 x 0.5m	North
23	Ditch Segment 116	1 x 1m, 1 x 0.5m	North
24	Ditch Segment 119	2m, 1 x 0.5m	South
25	Ditch Segment 119	2m, 1 x 0.5m	South
26	Posthole 121	1 x 0.5m	North
27	Posthole 121	1 x 0.5m	North
28	Pit 127	1 x 1m, 1 x 0.5m	West
29	Pit 127	1 x 1m, 1 x 0.5m	West
30	Pit 129	1 x 0.5m	East
31	Pit 129	1 x 0.5m	East
32	Ditch Segment 91	2 x 1 x 0.5m	West

33	Ditch Segment 91	2 x 1 x 0.5m	West
34	Skeleton 114	1 x 0.5m	East
35	Skeleton 114	1 x 0.5m	East
36	Pre-excavation shot, Area C	2 x 2m	North east
37	Pre-excavation shot, Area C	2 x 2m	North east

Film Number 832: Monochrome

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Ditch Segment 76	2m	West
3	Ditch Segment 76	2m	West
4	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
5	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
6	Ditch Segment 90	2m, 1 x 0.5m	East
7	Ditch Segment 90	2m, 1 x 0.5m	East
8	Ditch Segment 91	2 x 1 x 0.5m	West
9	Ditch Segment 91	2 x 1 x 0.5m	West
10	Pit 104	1 x 1m	North
11	Pit 104	1 x 1m	North
12	Pit and Ditch 83 & 101	1 x 1m, 1 x 0.5m	North
13	Pit and Ditch 83 & 101	1 x 1m, 1 x 0.5m	North
14	Ditch Segment 109	1 x 1m	West
15	Ditch Segment 109	1 x 1m	West
16	Ditch Segment 91	1 x 1m, 1 x 0.5m	West
17	Ditch Segment 91	1 x 1m, 1 x 0.5m	West
18	Ditch Segment 116	1 x 1m, 1 x 0.5m	North
19	Ditch Segment 116	1 x 1m, 1 x 0.5m	North
20	Ditch Segment 119	2m, 1 x 0.5m	South
21	Ditch Segment 119	2m, 1 x 0.5m	South
22	Posthole 121	1 x 0.5m	North
23	Posthole 121	1 x 0.5m	North
24	Pit 127	1 x 1m, 1 x 0.5m	West
25	Pit 127	1 x 1m, 1 x 0.5m	West
26	Pit 129	1 x 0.5m	East
27	Pit 129	1 x 0.5m	East
28	Ditch Segment 91	2 x 1 x 0.5m	West
29	Ditch Segment 91	2 x 1 x 0.5m	West
30	Skeleton 114	1 x 0.5m	East
31	Skeleton 114	1 x 0.5m	East
32	Pre-excavation shot, Area C	2 x 2m	North east
33	Pre-excavation shot, Area C	2 x 2m	North east
34	Pre-excavation shot, Area C	2 x 2m	North east
35	Pre-excavation shot, Area C	2 x 2m	North east
36	Pre-excavation shot, Area C	2 x 2m	North east
37	Overall shot, Area C	2 x 2m	East

Film Number 830: Colour Print

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Cut of Gully 42	1 x 0.5m	North west
3	Cut of Gully 42	1 x 0.5m	North west
4	Pit Quadrant 40	2 x 1m	South
5	Pit Quadrant 40	2 x 1m	South
6	Pit Cut 35	1 x 1m, 1 x 0.5m	North

7	Pit Cut 35	1 x 1m, 1 x 0.5m	North
8	Ditch Segment 37	1 x 1m	South
9	Ditch Segment 37	1 x 1m	South
10	Ditch Segment 37	1 x 1m	South
11	Ditch Segment 37	1 x 1m	South
12	Skeleton 50	1 x 0.5m	East
13	Skeleton 50	1 x 0.5m	East
14	Ditch Segment 44	1 x 1m, 1 x 0.5m	South
15	Ditch Segment 44	1 x 1m, 1 x 0.5m	South
16	Ditch Segment 52	1 x 1m	North
17	Ditch Segment 52	1 x 1m	North
18	Gully 54	1 x 0.5m	North
19	Gully 54	1 x 0.5m	North
20	Ditch Segment 58	1 x 1m	East
21	Ditch Segment 58	1 x 1m	East
22	Gully 66	1 x 1m, 1 x 0.5m	West
23	Gully 66	1 x 1m, 1 x 0.5m	West
24	Feature 62	1 x 1m, 1 x 0.5m	North
25	Feature 62	1 x 1m, 1 x 0.5m	North
26	Gully 55	1 x 1m, 1 x 0.5m	West
27	Gully 55	1 x 1m, 1 x 0.5m	West
28	Grave Cut 51	1 x 0.5m	North
29	Grave Cut 51	1 x 0.5m	North
30	Linear Feature 70	1 x 1m, 1 x 0.5m	West
31	Linear Feature 70	1 x 1m, 1 x 0.5m	West
32	Pit 81	1 x 1m, 1 x 0.5m	South
33	Pit 81	1 x 1m, 1 x 0.5m	South
34	Ditch and Gully Segments 83 & 85	1 x 1m	East
35	Ditch and Gully Segments 83 & 85	1 x 1m	East
36	Pit and Linear Feature 75 & 88	1 x 1m	South
37	Pit and Linear Feature 75 & 88	1 x 1m	South

Film Number 834: Colour Transparency

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Cut of Gully 42	1 x 0.5m	North west
3	Cut of Gully 42	1 x 0.5m	North west
4	Pit Quadrant 40	2 x 1m	South
5	Pit Quadrant 40	2 x 1m	South
6	Pit Cut 35	1 x 1m, 1 x 0.5m	North
7	Pit Cut 35	1 x 1m, 1 x 0.5m	North
8	Skeleton 50	1 x 0.5m	East
9	Skeleton 50	1 x 0.5m	East
10	Ditch Segment 44	1 x 1m, 1 x 0.5m	South
11	Ditch Segment 44	1 x 1m, 1 x 0.5m	South
12	Ditch Segment 52	1 x 1m	North
13	Ditch Segment 52	1 x 1m	North
14	Ditch Segment 52	1 x 1m	North
15	Gully 54	1 x 0.5m	North
16	Gully 54	1 x 0.5m	North
17	Ditch Segment 58	1 x 1m	East
18	Ditch Segment 58	1 x 1m	East
19	Gully 66	1 x 1m, 1 x 0.5m	West
20	Gully 66	1 x 1m, 1 x 0.5m	West

21	Feature 62	1 x 1m, 1 x 0.5m	North
22	Feature 62	1 x 1m, 1 x 0.5m	North
23	Gully 55	1 x 1m, 1 x 0.5m	West
24	Gully 55	1 x 1m, 1 x 0.5m	West
25	Grave Cut 51	1 x 0.5m	North
26	Grave Cut 51	1 x 0.5m	North
27	Linear Feature 70	1 x 1m, 1 x 0.5m	West
28	Linear Feature 70	1 x 1m, 1 x 0.5m	West
29	Pit 81	1 x 1m, 1 x 0.5m	South
30	Pit 81	1 x 1m, 1 x 0.5m	South
31	Ditch and Gully Segments 83 & 85	1 x 1m	East
32	Ditch and Gully Segments 83 & 85	1 x 1m	East
33	Pit and Linear Feature 75 & 88	1 x 1m	South
34	Pit and Linear Feature 75 & 88	1 x 1m	South
35	Intersection of Linear Features 70 & 74	2m, 1 x 1m	South
36	Intersection of Linear Features 70 & 74	2m, 1 x 1m	South
37	Ditch Segment 76	2m	East

Film Number 825 : Colour Transparency

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Overall pre-excavation shot, Area A	2 x 2m	North west
3	Overall pre-excavation shot, Area A	2 x 2m	North west
4	Overall pre-excavation shot, Area A	2 x 2m	South west
5	Overall pre-excavation shot, Area A	2 x 2m	South west
6	Overall pre-excavation shot, Area A	2 x 2m	West
7	Overall pre-excavation shot, Area A	2 x 2m	West
8	Pit 20	1 x 0.5m	North east
9	Pit 20	1 x 0.5m	North east
10	Pit 19	1 x 0.5m	North
11	Pit 19	1 x 0.5m	North
12	Pit 21	1 x 0.5m	North east
13	Pit 21	1 x 0.5m	North east
14	Pit 21	1 x 0.5m	North east
15	Pit 21	1 x 0.5m	North east
16	Posthole 23	1 x 0.5m	North
17	Posthole 23	1 x 0.5m	North
18	Pit 24	1 x 1m	East
19	Pit 24	1 x 1m	East
20	Ditch Terminal 26	1 x 1m, 1 x 0.5m	South
21	Ditch Terminal 26	1 x 1m, 1 x 0.5m	South
22	Ditch Segment 27	1 x 1m	North
23	Ditch Segment 27	1 x 1m	North
24	Feature 29	1 x 1m	West
25	Feature 29	1 x 1m	West
26	Feature 32	1 x 0.5m	East
27	Feature 32	1 x 0.5m	East
28	Pit 24	2 x 1m	North
29	Pit 24	2 x 1m	North
30	Overall pre-excavation shot, Area B	2 x 2m	South
31	Overall pre-excavation shot, Area B	2 x 2m	South
32	Overall pre-excavation shot, Area B	2 x 2m	South west
33	Overall pre-excavation shot, Area B	2 x 2m	South west
34	Overall pre-excavation shot, Area B	2 x 2m	South east
35	Overall pre-excavation shot, Area B	2 x 2m	South east

36	Overall pre-excavation shot, Area B	2 x 2m	North east
37	Overall pre-excavation shot, Area B	2 x 2m	North east

Film Number 833 : Colour Transparency

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Ditch Segment 76	2m	West
3	Ditch Segment 76	2m	West
4	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
5	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
6	Intersection of Ditches 90 & 91	1 x 1m+ 2 x 1 x 0.5m	North
7	Ditch Segment 90	2m, 1 x 0.5m	East
8	Ditch Segment 90	2m, 1 x 0.5m	East
9	Ditch Segment 91	2 x 1 x 0.5m	West
10	Ditch Segment 91	2 x 1 x 0.5m	West
11	Pit 104	1 x 1m	North
12	Pit 104	1 x 1m	North
13	Pit and Ditch 83 & 101	1 x 1m, 1 x 0.5m	North
14	Pit and Ditch 83 & 101	1 x 1m, 1 x 0.5m	North
15	Ditch Segment 109	1 x 1m	West
16	Ditch Segment 109	1 x 1m	West
17	Ditch Segment 91	1 x 1m, 1 x 0.5m	West
18	Ditch Segment 91	1 x 1m, 1 x 0.5m	West
19	Ditch Segment 116	1 x 1m, 1 x 0.5m	North
20	Ditch Segment 116	1 x 1m, 1 x 0.5m	North
21	Ditch Segment 119	2m, 1 x 0.5m	South
22	Ditch Segment 119	2m, 1 x 0.5m	South
23	Posthole 121	1 x 0.5m	North
24	Posthole 121	1 x 0.5m	North
25	Pit 127	1 x 1m, 1 x 0.5m	West
26	Pit 127	1 x 1m, 1 x 0.5m	West
27	Pit 129	1 x 0.5m	East
28	Pit 129	1 x 0.5m	East
29	Ditch Segment 91	2 x 1 x 0.5m	West
30	Ditch Segment 91	2 x 1 x 0.5m	West
31	Skeleton 114	1 x 0.5m	East

32	Skeleton 114	1 x 0.5m	East
33	Pre-excavation shot, Area C	2 x 2m	North east
34	Pre-excavation shot, Area C	2 x 2m	East
35	Pre-excavation shot, Area C	2 x 2m	East
36	Pre-excavation shot, Area C	2 x 2m	East
37	Pre-excavation shot, Area C	2 x 2m	East

Film Number 842 : Colour Print

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Ditch Segment 189	2m, 1 x 1m	North
3	Ditch Segment 189	2m, 1 x 1m	North
4	Ditch Segment 192	2m, 1 x 1m	East
5	Ditch Segment 192	2m, 1 x 1m	East
6	Ditch and Gully 194 & 196	1 x 1m	East
7	Ditch and Gully 194 & 196	1 x 1m	East
8	Ditch Segment 198	2m, 1 x 0.5m	South
9	Ditch Segment 198	2m, 1 x 0.5m	South
10	Ditch 198 & Pit 150	2m, 1 x 0.5m	East
11	Ditch 198 & Pit 150	2m, 1 x 0.5m	East
12	Ditch 198 & Pit 161	2m, 1 x 0.5m	North west
13	Ditch 198 & Pit 161	2m, 1 x 0.5m	North west
14	Ditch Segments 3021 & 3025	2m, 1 x 0.5m	East
15	Ditch Segments 3021 & 3025	2m, 1 x 0.5m	East
16	Infant Burial 218	1 x 0.5m	North
17	Infant Burial 218	1 x 0.5m	North
18	Pit 224	1 x 1m	West
19	Pit 224	1 x 1m	West
20	Post-excavation shot of Double Ditch	2 x 2m	South
21	Post-excavation shot of Double Ditch	2 x 2m	South
22	Post-excavation shot, Area B	2 x 2m	South east
23	Post-excavation shot, Area B	2 x 2m	South east
24	Ditch 215 & Grave Cut 219	2m, 1 x 0.5m	East
25	Ditch 215 & Grave Cut B355 219	2m, 1 x 0.5m	East
26	Pit 228	1 x 0.5m	North east
27	Pit 228	1 x 0.5m	North east
28	Sondage 229	2m	North
29	Sondage 229	2m	North
30	Ditch, Gully and Pit 3016 & 3017	2m, 1 x 0.5m	East
31	Ditch, Gully and Pit 3016 & 3017	2m, 1 x 0.5m	East
32	Chalk Surface 230	1 x 0.5m	South
33	Chalk Surface 230	1 x 0.5m	South
34	Pipe Trench 186	1 x 1m, 1 x 0.5m	North
35	Pipe Trench 186	1 x 1m, 1 x 0.5m	North
36	Contexts, 259, 261, 263, 265, 267 & 269	2m, 1 x 0.5m	East
37	Contexts 259, 261, 263, 265, 267 & 269	2m, 1 x 0.5m	East

Film Number 837 : Colour Print

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Pre-excavation shot, Area C	2 x 2m	North east
3	Pre-excavation shot, Area C	2 x 2m	North east
4	Pit 145	1 x 1m	North east
5	Pit 145	1 x 1m	North east

6	Skeleton 138	1 x 0.5m	East
7	Skeleton 138	1 x 0.5m	East
8	Skeleton 138	N/A	East
9	Skeleton 138	N/A	East
10	Linear Feature 151	1 x 1m, 1 x 0.5m	South
11	Linear Feature 151	1 x 1m, 1 x 0.5m	South
12	Pit 150	1 x 1m, 1 x 0.5m	East
13	Pit 150	1 x 1m, 1 x 0.5m	East
14	Linear Feature 157	1 x 1m, 1 x 0.5m	East
15	Linear Feature 157	1 x 1m, 1 x 0.5m	East
16	Grave Cut 139	1 x 1m	West
17	Grave Cut 139	1 x 1m	West
18	Ditch Segment 159	2m, 1 x 1m	West
19	Ditch Segment 159	2m, 1 x 1m	West
20	Pit 161	2m, 1 x 0.5m	North east
21	Pit 161	2m, 1 x 0.5m	North east
22	Ditch 157	1 x 1m, 1 x 0.5m	East
23	Ditch 157	1 x 1m, 1 x 0.5m	East
24	Pit 170	1 x 1m	North
25	Pit 170	1 x 1m	North
26	Pipe Cuts 173 and 178	1 x 1m, 1 x 0.5m	North
27	Pipe Cuts 173 and 178	1 x 1m, 1 x 0.5m	North
28	Ditch Segment 183	2m, 1 x 1m	North
29	Ditch Segment 183	2m, 1 x 1m	North
30	Ditch Segment 183	2m, 1 x 1m	West
31	Ditch Segment 183	2m, 1 x 1m	West
32	Sondage, showing 112, 129, 134, 136 & 138	2m, 1 x 1m	South
33	Sondage, showing 112, 129, 134, 136 & 138	2m, 1 x 1m	South
34	Ditch and Pit 134 & 136	2m, 1 x 1m	East
35	Ditch and Pit 134 & 136	2m, 1 x 1m	East
36	Ditch Segment 112	1 x 1m	West
37	Ditch Segment 112	1 x 1m	West

Film Number 843 : Colour Print

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Infant Burial 271	1 x 0.5m	East
3	Infant Burial 271	1 x 0.5m	East
4	Posthole 252	1 x 0.5m	North
5	Posthole 252	1 x 0.5m	North
6	Ditch 198	1 x 0.5m	South
7	Ditch 198	1 x 0.5m	South
8	Surface 270	1 x 0.5m	East
9	Surface 270	1 x 0.5m	East
10	Grave Cut 272 & Ditch 275	1 x 1m, 1 x 0.5m	East
11	Grave Cut 272 & Ditch 275	1 x 1m, 1 x 0.5m	East
12	Ditch 198	1 x 1m, 1 x 0.5m	North
13	Ditch 198	1 x 0.5m	North
14	Pit 277	1 x 1m, 1 x 0.5m	South
15	Pit 277	1 x 1m, 1 x 0.5m	South
16	Ditch Segment 279	1 x 1m	East
17	Ditch Segment 279	1 x 1m	East
18	Ditch Segment 116	1 x 1m	North
19	Ditch Segment 116	1 x 1m	North
20	Feature 282	1 x 0.5m	South

21	Feature 282	1 x 0.5m	South
22	Pit 284	1 x 0.5m	South
23	Pit 284	1 x 0.5m	South

Film Number 838 : Monochrome

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Ditch Segment 189	2m, 1 x 1m	North
3	Ditch Segment 189	2m, 1 x 1m	North
4	Ditch Segment 192	2m, 1 x 1m	East
5	Ditch Segment 192	2m, 1 x 1m	East
6	Ditch and Gully 194 & 196	1 x 1m	East
7	Ditch and Gully 194 & 196	1 x 1m	East
8	Ditch Segment 198	2m, 1 x 0.5m	South
9	Ditch Segment 198	2m, 1 x 0.5m	South
10	Ditch 198 & Pit 150	2m, 1 x 0.5m	East
11	Ditch 198 & Pit 150	2m, 1 x 0.5m	East
12	Ditch 198 & Pit 161	2m, 1 x 0.5m	North west
13	Ditch 198 & Pit 161	2m, 1 x 0.5m	North west
14	Ditch Segments 3021 & 3025	2m, 1 x 0.5m	East
15	Ditch Segments 3021 & 3025	2m, 1 x 0.5m	East
16	Infant Burial 218	1 x 0.5m	North
17	Infant Burial 218	1 x 0.5m	North
18	Pit 224	1 x 1m	West
19	Pit 224	1 x 1m	West
20	Post-excavation shot of Double Ditch	2 x 2m	South
21	Post-excavation shot of Double Ditch	2 x 2m	South
22	Post-excavation shot, Area B	2 x 2m	South east
23	Post-excavation shot, Area B	2 x 2m	South east
24	Ditch 215 & Grave Cut 219	2m, 1 x 0.5m	East
25	Ditch 215 & Grave Cut B355 219	2m, 1 x 0.5m	East
26	Pit 228	1 x 0.5m	North east
27	Pit 228	1 x 0.5m	North east
28	Sondage 229	2m	North
29	Sondage 229	2m	North
30	Ditch, Gully and Pit 3016 & 3017	2m, 1 x 0.5m	East
31	Ditch, Gully and Pit 3016 & 3017	2m, 1 x 0.5m	East
32	Chalk Surface 230	1 x 0.5m	South
33	Chalk Surface 230	1 x 0.5m	South
34	Pipe Trench 186	1 x 1m, 1 x 0.5m	North
35	Pipe Trench 186	1 x 1m, 1 x 0.5m	North
36	Contexts 259, 261, 263, 265, 267 & 269	2m, 1 x 0.5m	East
37	Contexts 259, 261, 263, 265, 267 & 269	2m, 1 x 0.5m	East

Film Number 835 : Monochrome

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Pre-excavation shot, Area C	2 x 2m	North east
3	Pre-excavation shot, Area C	2 x 2m	North east
3	Pit 145	1 x 1m	North east
5	Pit 145	1 x 1m	North east
6	Skeleton 138	1 x 0.5m	East
7	Skeleton 138	1 x 0.5m	East
8	Skeleton 138	N/A	East

9	Skeleton 138	N/A	East
10	Linear Feature 151	1 x 1m, 1 x 0.5m	South
11	Linear Feature 151	1 x 1m, 1 x 0.5m	South
12	Pit 150	1 x 1m, 1 x 0.5m	East
13	Pit 150	1 x 1m, 1 x 0.5m	East
14	Linear Feature 157	1 x 1m, 1 x 0.5m	East
15	Linear Feature 157	1 x 1m, 1 x 0.5m	East
16	Grave Cut 139	1 x 1m	West
17	Grave Cut 139	1 x 1m	West
18	Ditch Segment 159	2m, 1 x 1m	West
19	Ditch Segment 159	2m, 1 x 1m	West
20	Pit 161	2m, 1 x 0.5m	North east
21	Pit 161	2m, 1 x 0.5m	North east
22	Ditch 157	1 x 1m, 1 x 0.5m	East
23	Ditch 157	1 x 1m, 1 x 0.5m	East
24	Pit 170	1 x 1m	North
25	Pit 170	1 x 1m	North
26	Pipe Cuts 173 and 178	1 x 1m, 1 x 0.5m	North
27	Pipe Cuts 173 and 178	1 x 1m, 1 x 0.5m	North
28	Ditch Segment 183	2m, 1 x 1m	North
29	Ditch Segment 183	2m, 1 x 1m	North
30	Ditch Segment 183	2m, 1 x 1m	West
31	Ditch Segment 183	2m, 1 x 1m	West
32	Sondage, showing 112, 129, 134, 136 & 138	2m, 1 x 1m	South
33	Sondage, showing 112, 129, 134, 136 & 138	2m, 1 x 1m	South
34	Ditch and Pit 134 & 136	2m, 1 x 1m	East
35	Ditch and Pit 134 & 136	2m, 1 x 1m	East
36	Ditch Segment 112	1 x 1m	West
37	Ditch Segment 112	1 x 1m	West

Film Number 840 : Colour Transparency

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Infant Burial 271	1 x 0.5m	East
3	Infant Burial 271	1 x 0.5m	East
4	Posthole 252	1 x 0.5m	North
5	Posthole 252	1 x 0.5m	North
6	Ditch 198	1 x 0.5m	South
7	Ditch 198	1 x 0.5m	South
8	Surface 270	1 x 0.5m	East
9	Surface 270	1 x 0.5m	East
10	Grave Cut 272 & Ditch 275	1 x 1m+ 1 x 0.5m	East
11	Grave Cut 272 & Ditch 275	1 x 1m+ 1 x 0.5m	East
12	Ditch 198	1 x 1m, 1 x 0.5m	North
13	Ditch 198	1 x 0.5m	North
14	Pit 277	1 x 1m, 1 x 0.5m	South
15	Pit 277	1 x 1m, 1 x 0.5m	South
16	Ditch Segment 279	1 x 1m	East
17	Ditch Segment 279	1 x 1m	East
18	Ditch Segment 116	1 x 1m	North
19	Ditch Segment 116	1 x 1m	North
20	Feature 282	1 x 0.5m	South
21	Feature 282	1 x 0.5m	South
22	Pit 284	1 x 0.5m	South

23 Pit 284 1 x 0.5m South

Film Number 836 : Colour Transparency

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Pre-excavation shot, Area C	2 x 2m	North east
3	Pre-excavation shot, Area C	2 x 2m	North east
3	Pit 145	1 x 1m	North east
5	Pit 145	1 x 1m	North east
6	Skeleton 138	1 x 0.5m	East
7	Skeleton 138	1 x 0.5m	East
8	Skeleton 138	N/A	East
9	Skeleton 138	N/A	East
10	Linear Feature 151	1 x 1m, 1 x 0.5m	South
11	Linear Feature 151	1 x 1m, 1 x 0.5m	South
12	Pit 150	1 x 1m, 1 x 0.5m	East
13	Pit 150	1 x 1m, 1 x 0.5m	East
14	Linear Feature 157	1 x 1m, 1 x 0.5m	East
15	Linear Feature 157	1 x 1m, 1 x 0.5m	East
16	Grave Cut 139	1 x 1m	West
17	Grave Cut 139	1 x 1m	West
18	Ditch Segment 159	2m, 1 x 1m	West
19	Ditch Segment 159	2m, 1 x 1m	West
20	Pit 161	2m, 1 x 0.5m	North east
21	Pit 161	2m, 1 x 0.5m	North east
22	Ditch 157	1 x 1m, 1 x 0.5m	East
23	Ditch 157	1 x 1m, 1 x 0.5m	East
24	Pit 170	1 x 1m	North
25	Pit 170	1 x 1m	North
26	Pipe Cuts 173 and 178	1 x 1m, 1 x 0.5m	North
27	Pipe Cuts 173 and 178	1 x 1m, 1 x 0.5m	North
28	Ditch Segment 183	2m, 1 x 1m	North
29	Ditch Segment 183	2m, 1 x 1m	North
30	Ditch Segment 183	2m, 1 x 1m	West
31	Ditch Segment 183	2m, 1 x 1m	West
32	Sondage, showing 112, 129, 134, 136 & 138	2m, 1 x 1m	South
33	Sondage, showing 112, 129, 134, 136 & 138	2m, 1 x 1m	South
34	Ditch and Pit 134 & 136	2m, 1 x 1m	East
35	Ditch and Pit 134 & 136	2m, 1 x 1m	East
36	Ditch Segment 112	1 x 1m	West
37	Ditch Segment 112	1 x 1m	West

Film Number 841 : Colour Transparency

Frame	Description	Scale	Facing
1	ID shot	N/A	N/A
2	Ditch Segment 189	2m, 1 x 1m	North
3	Ditch Segment 189	2m, 1 x 1m	North
3	Ditch Segment 192	2m, 1 x 1m	East
5	Ditch Segment 192	2m, 1 x 1m	East
6	Ditch and Gully 194 & 196	1 x 1m	East
7	Ditch and Gully 194 & 196	1 x 1m	East
8	Ditch Segment 198	2m, 1 x 0.5m	South
9	Ditch Segment 198	2m, 1 x 0.5m	South
10	Ditch 198 & Pit 150	2m, 1 x 0.5m	East

11	Ditch 198 & Pit 150	2m, 1 x 0.5m	East
12	Ditch 198 & Pit 161	2m, 1 x 0.5m	North west
13	Ditch 198 & Pit 161	2m, 1 x 0.5m	North west
14	Ditch Segments 3021 & 3025	2m, 1 x 0.5m	East
15	Ditch Segments 3021 & 3025	2m, 1 x 0.5m	East
16	Infant Burial 218	1 x 0.5m	North
17	Infant Burial 218	1 x 0.5m	North
18	Pit 224	1 x 1m	West
19	Pit 224	1 x 1m	West
20	Post-excavation shot of Double Ditch	2 x 2m	South
21	Post-excavation shot of Double Ditch	2 x 2m	South
22	Post-excavation shot, Area B	2 x 2m	South east
23	Post-excavation shot, Area B	2 x 2m	South east
24	Ditch 215 & Grave Cut 219	2m, 1 x 0.5m	East
25	Ditch 215 & Grave Cut B355 219	2m, 1 x 0.5m	East
26	Pit 228	1 x 0.5m	North east
27	Pit 228	1 x 0.5m	North east
28	Sondage 229	2m	North
29	Sondage 229	2m	North
30	Ditch, Gully and Pit 3016 & 3017	2m, 1 x 0.5m	East
31	Ditch, Gully and Pit 3016 & 3017	2m, 1 x 0.5m	East
32	Chalk Surface 230	1 x 0.5m	South
33	Chalk Surface 230	1 x 0.5m	South
34	Pipe Trench 186	1 x 1m, 1 x 0.5m	North
35	Pipe Trench 186	1 x 1m, 1 x 0.5m	North
36	Contexts 259, 261, 263, 265, 267 & 269	2m, 1 x 0.5m	East
37	Contexts 259, 261, 263, 265, 267 & 269	2m, 1 x 0.5m	East

APPENDIX 5

Osteological Analysis Low Farm Kirby Grindalythe North Yorkshire

Site Code: 01-09-05

NGR: SE 9052 6759

Report No 2005

January 2006

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Summary

York Osteoarchaeology Ltd was commissioned by MAP Archaeological Consultancy Ltd to carry out the osteological analysis of six skeletons. The skeletal remains were recovered during archaeological excavations in September and October 2005 at Low Farm, Kirby Grindalythe, North Yorkshire (NGR SE 9052 6759) in advance of a proposed development of the site.

Two of the skeletons were radiocarbon dated to the late Iron Age period, to 70 BC. Two skeletons were possibly buried in a prone position, and the remaining four were lying on their sides, in a flexed position. Four of the individuals were orientated with their heads to the north or north-east, and two had their heads to the south or south-west. No grave goods were recovered with any of the individuals, but pottery sherds and animal bones were found in the fills of three of the graves.

Osteological analysis revealed that the cemetery contained one possible male adult and five young children, of which two were newborn babies and one was an infant; the oldest child was 5-6 years old at the time of death. Three of the children showed pathological changes that could indicate scurvy, and two of these showed signs of restricted growth, probably due to malnutrition. The oldest child had also experienced a fractured arm, and had a common congenital defect in the form of sacralisation of the lowest lumbar vertebra. The mature adult male was relatively short and suffered from osteoporosis, resulting in several spinal fractures. This man also had degenerative joint disease and osteoarthritis of the spine and other joints, and probable trauma to one of the thigh muscles. Pronounced muscle attachment sites suggest a life of rigorous physical activity. In addition, he suffered from several undiagnosed minor anomalies: the lower legs were disproportionately short, one of the hand bones was unusually thin, and the internal skull vault was covered with nodules of bone.

Acknowledgements

York Osteoarchaeology Ltd would like to thank Paula Ware, Sophie Langford and Anne Finney of MAP Archaeological Consultancy Ltd for their help and support. We would like to thank Hogg the Builder for funding this project.

1.0 INTRODUCTION

In December 2005 York Osteoarchaeology Ltd was commissioned by MAP Archaeological Consultancy Ltd to carry out the osteological analysis of six skeletons. The skeletal remains had been excavated in September and October 2005 during an archaeological excavation at Low Farm, Kirby Grindalythe, North Yorkshire (NGR SE 9052 6759) in advance of a proposed development of the site.

The skeletons were radiocarbon dated to the late Iron Age and Romano-British period (Table 1). Two were possibly buried prone, and the remaining four were lying on their sides, in a flexed position (Table 1). Four of the individuals were oriented with their heads to the north or north-east, and two had their heads to the south or south-west. Almost all the graves had been truncated, either by later features or by the edge of the trench. No grave goods were recovered with any of the individuals, but pottery sherds and animal bones were found in the fills of three of the graves.

Table 1 Summary of archaeological information of complete skeletons

Skeleton No	Feature	Trench	Position	Orientation	Date
50	51	B	Right side, flexed	North-east to south-west	Late Iron Age
114	115	B	Right side, flexed	North-east to south-west	35BC - 35AD
138	139	B	Left side, flexed	South-west to north-east	100 - 40BC
218	219	B	Left side, flexed	North to south	Middle/Late Iron Age
271	272	C	Prone?	South to north	Middle/Late Iron Age
3007	3008	3	Prone?	North to south	Middle/Late Iron Age

1.1 AIMS AND OBJECTIVES

The aim of the skeletal analysis was to determine the age, sex and stature of the skeletons, as well as to record and diagnose any skeletal manifestations of disease and trauma.

1.2 METHODOLOGY

The skeletons were analysed in detail, assessing the preservation and completeness, calculating the minimum number of individuals present as well as determining the age, sex and stature of the individuals (Appendix A). All pathological lesions were recorded and described.

2.0 OSTEOLOGICAL ANALYSIS

Osteological analysis is concerned with the determination of the identity of a skeleton, by estimating its age, sex and stature. Robusticity and non-metric traits can provide further information on the appearance and familial affinities of the individual studied. This information is essential in order to determine the prevalence of disease types and age-related changes. It is crucial for identifying gender dimorphism in occupation, lifestyle and diet, as well as the role of different age groups in society.

2.1 PRESERVATION

Skeletal preservation depends upon a number of factors, including the age and sex of the individual as well as the size, shape and robusticity of the bone. Burial environment, post-depositional disturbance and treatment following excavation can also have a considerable impact on bone condition. Preservation of human skeletal remains is assessed subjectively, depending upon the severity of bone surface erosion and post-mortem breaks, but disregarding completeness.

Preservation was assessed using the seven-category grading system defined by McKinley (2004), ranging from 0 (excellent) to 5+ (extremely poor). Excellent preservation implied no bone surface erosion, a clear surface morphology, and very few or no breaks, whereas extremely poor preservation indicated heavy and penetrating erosion of the bone surface resulting in complete loss of surface morphology and modification of the bone profile, coupled with severe fragmentation.

All the skeletons were well-preserved, and most were placed in the grade 1 (very good) preservation category, meaning that there was only slight and patchy surface erosion and fragmentation was minimal (see Table 2). Skeleton 3007 was in an excellent condition, but Skeleton 50 had suffered slightly more damage, with greater erosion of the bone surface.

Table 2 Summary of osteological and palaeopathological results

Skeleton No	Preservation	Completeness	Age	Sex	Stature (cm)	Pathology
50	Good (Grade 2)	80-90%	1-2 years	-	-	Possible scurvy
114	Very Good (Grade 1)	85-95%	5-6 years	-	-	Possible scurvy Fracture of right radius Sacralisation of L5 (unilateral)
138	Very Good (Grade 1)	80-90%	45+	Male?	162.6	Osteoporosis Disproportionately short lower legs Small fourth metacarpal (unilateral) Degenerative joint disease Osteoarthritis Hyperostosis frontalis interna? Button osteoma Pronounced muscle attachments
218	Very Good (Grade 1)	80-90%	6-12 months	-	-	Possible scurvy
271	Very Good (Grade 1)	60-70%	0-3 months	-	-	
3007	Excellent (Grade 0)	60-70%	0-2 months	-	-	

The completeness of the skeletons was also extremely good, despite the truncation of graves by later features, with most being over 80% complete (see Table 2). Many of the small bones of the hands and feet, and several

of the epiphyses (small caps of bone found at the ends of the long bones in children), were present. The most complete was Skeleton 114. The grave of Skeleton 114 had cut into that of Skeleton 138, and parts of the latter (right humerus, radius, ulna, femur, os coxa and parts of the sacrum) were found with the former. The two youngest individuals were the least complete, probably due to the extremely small size of their bones, which will have made full recovery more difficult. Both were truncated by a later ditch (275), and in addition Skeleton 271 was truncated by the edge of the trench. Even so, they were still reasonably complete (60-70%).

2.2 MINIMUM NUMBER OF INDIVIDUALS

A count of the 'minimum number of individuals' (MNI) recovered from a cemetery is carried out as standard procedure in osteological reports on inhumations in order to establish how many individuals are represented by the articulated and disarticulated human bones (without taking the archaeologically defined graves into account). The MNI is calculated by counting all long bone ends, as well as other larger skeletal elements recovered. The largest number of these is then taken as the MNI. The MNI is likely to be lower than the actual number of skeletons which would have been interred on the site, but represents the minimum number of individuals which can be scientifically proven to be present.

The bone part most commonly found was the distal left femur, which gave an MNI of eight individuals: four neonates, one infant, two juveniles, and one adult. Two of the disarticulated bones were a complete left femur (measuring 76mm long), and a complete right humerus (68mm long), both of a size suggesting they belonged to a full-term foetus or a newborn baby (Scheuer and Black 2000a). All the other disarticulated bones probably also came from a foetus or neonate based on their size and stage of development, and some of these may belong to the two excavated neonates.

The information from the disarticulated bones and the calculated MNI suggests that at least two other newborn babies were buried in the cemetery apart from the two whose graves have been excavated. The later pits and ditches that have cut into most of the graves in this site probably disturbed the graves of these neonates.

2.3 ASSESSMENT OF AGE

Age was determined using standard ageing techniques, as specified in Scheuer and Black (2000a; 2000b) and Cox (2000). Age estimation relies on the presence of the pelvis and uses different stages of bone development and degeneration in order to calculate the age of an individual. Age is split into a number of categories, from foetus (up to 40 weeks in *utero*), neonate (around the time of birth), infant (newborn to one year), juvenile (1-12 years), adolescent (13-17 years), young adult (ya; 18-25 years), young middle adult (yma; 26-35 years), old middle adult (oma; 36-45 years), mature adult (ma; 46+) to adult (an individual whose age could not be determined more accurately than that they were eighteen or over).

Age estimation of the skeletons was based on as many criteria as possible. Five of the six skeletons were non-adults (see Table 2), the oldest of which (Skeleton 114) was 5-6 years old based on dental development and eruption, and the stage of development of the skeleton. However, measurements of the diaphyses (long bone shafts) suggested a younger age of 3½-4 years for this individual. Skeleton 50 was 1-2 years old, based on dental development and eruption, development of the skeleton, and long bone lengths. Skeleton 218 was 6-12 months old based on dental development and eruption, and the development of the skeleton, but the length of

the diaphyses (long bone shafts) suggested an age of 3-6 months. Skeletons 271 and 3007 were both extremely young, somewhere between birth and two months old. The age estimate for Skeleton 271 was based on long bone measurements and skeletal development (no teeth were present), and that for Skeleton 3007 was based on dental development and eruption, skeletal development and long bone lengths.

Dental development is less affected by periods of stress, such as malnutrition or disease, than is long bone length. If a child experiences some kind of stress then growth may slow or stop until the child experiences more favourable conditions (overcoming an episode of disease, or obtaining better nutrition) when growth will resume (Lewis 2002). For this reason the dental age is often a more accurate indication of actual chronological age than is the length of the long bones. The discrepancy between the two seen in Skeletons 114 and 218 implies that these individuals had suffered at least one episode of stress that had severely inhibited their growth, meaning they were small for their age. This is discussed further in the section on pathology below, but it seems likely that all the children at this site had succumbed to malnutrition, disease or a combination of both.

Skeleton 138 was a mature adult (46+ years old), based on one surviving auricular surface (the sacral joint of the pelvis) and cranial suture fusion. Practically all the teeth had been lost ante-mortem, precluding the application of ageing methods based on dental wear, but this in itself suggests the individual was a mature adult. Unfortunately, only a small fragment of pubic symphysis (one of the most useful parts of the skeleton for determining age-at-death) was present.

2.4 SEX DETERMINATION

Sex determination was carried out using standard osteological techniques, such as those described by Mays and Cox (2000). Assessment of sex in both males and females relies on the preservation of the skull and the pelvis and can only be carried out once sexual characteristics have developed, during late puberty and early adulthood.

Determining the sex of Skeleton 138 was difficult, and it was only tentatively identified as a possible male. The pelvis is the most reliable indicator of biological sex, but unfortunately, this was damaged and incomplete. What survived of the os coxa showed a mix of male and female traits, but the sacrum (again badly damaged post-mortem) was extremely curved, suggesting a male. The skull was much better preserved, and on balance the cranium showed masculine traits (although not extremely so). The anterior mandible (jaw bone) was male in appearance, but all features relating to the ramus (side of jaw) were female. However, the shape of the mandible may be unreliable due to the fact that it was practically edentulous (all but one of the teeth were lost during life). Most of the measurements taken fell into the male range, but the clavicle was short (in the female range), and the head of the femur was in the 'indeterminate' range.

2.5 METRIC ANALYSIS

Stature depends on two main factors, heredity and environment. However, stature can also fluctuate between chronological periods. Stature can only be established in skeletons if at least one complete and fully fused long bone is present. The bone is measured on an osteometric board, and stature is then calculated using a regression formula developed upon individuals of known stature (Trotter 1970).

Calculating the stature of Skeleton 138 was complicated by the fact that the tibiae and fibulae (bones of the

lower legs) were disproportionately short compared to the other long bones. Stature calculated from the left femur (165.54cm), left and right humeri (164.70 and 167.47cm), and left and right radii (164.82 and 165.76cm) were all taller than that calculated from the left tibia (160.90cm). Stature calculated using both tibia and femur is almost certainly the most accurate in this case, giving a height of 162.61cm (± 2.99 cm). This is below the average for Iron Age males calculated at 165.37cm by Caffell (1997).

Leg measurements were obtained from the femora and tibiae and used to calculate robusticity indices. The *platymeria* index is a method of calculating the shape and robusticity of the femoral shaft. Both of the femora of Skeleton 138 were *platymeric* (broad and flat). The *platycnemia* index of the tibiae was calculated in order to establish the degree of tibial shaft flatness. The right tibia of Skeleton 138 was *eurycnemic* (of average dimensions), while the left tibia was flatter (*mesocnemic*).

The cranium of Skeleton 138 was sufficiently intact for limited measurements to be taken. The cranial index is calculated to describe the shape of the cranial vault. In Skeleton 138 the cranial index was 71.51, which placed it in the *dolichocranic* range, i.e. the cranium was long and narrow.

2.6 NON-METRIC TRAITS

Non-metric traits are additional sutures, facets, bony processes, canals and foramina, which occur in a minority of skeletons and are believed to suggest hereditary affiliation between skeletons (Saunders 1989). The origins of non-metric traits have been extensively discussed in the osteological literature and it is now thought that while most non-metric traits have genetic origins, some can be produced by factors such as mechanical stress (Kennedy 1989) or environment (Trinkhaus 1978).

A total of thirty cranial (skull) and thirty post-cranial (bones of the body and limbs) non-metric traits were selected from the osteological literature (Buikstra and Ubelaker 1994, Finnegan 1978, Berry and Berry 1967) and recorded. Almost all cranial traits could be scored for the adult individual (Skeleton 138); those present included an *ossicle in the left lambdoid suture* (an additional bone in the suture at the back of the head), *open right posterior condylar canal* (an additional foramen at the base of the skull), an *extrasutural mastoid foramen* on the left side (a small hole in the ear bone), and *extrasutural anterior and posterior left ethmoid foramina* (two small holes in the side of the orbit).

In most cases the non-adult individuals were too young and their bones too undeveloped for the presence or absence of non-metric traits to be recorded. However, Skeleton 114 had a large *ossicle at lambda*, and *ossicles in the lambdoid suture* (additional bones at the back of the head), and Skeleton 218 probably also had these traits. Both *posterior condylar canals* were open in Skeletons 114 and 218, and Skeleton 114 also had *double anterior condylar canals* (this area was undeveloped in Skeleton 218). Skeleton 114 also had *absent zygomaticofacial foramen* (lack of a hole in the cheekbone) on the right side. These were anomalies that would not have affected the individual. Cranial traits are more likely to be genetic in origin than those noted on the remaining part of the skeleton, which can often be affected by mechanical stress.

Post-cranial traits observed in Skeleton 138 included a *double left atlas facet* (two facets instead of one on the vertebra that supports the skull), *exostosis in both trochanteric fossae* (small spicules of bone in the hip region), *vastus notches* and *vastus fossae* (notches and hollows on both kneecaps), and *lateral squatting facets* on both

the tibiae (additional facets in the ankle region, thought to be linked to a habitual squatting posture). It was not possible to observe the presence or absence of most post-cranial traits in the non-adult individuals, and no traits were present where observation was possible.

2.7 CONCLUSION

Osteological analysis of the six skeletons from Kirby Grindalythe established that the cemetery group predominantly consisted of young children, infants and newborn babies, with one mature adult, who was possibly male. The latter was short for the period, at only 162.61cm (± 2.99 cm).

3.0 PATHOLOGICAL ANALYSIS

Pathological conditions (disease) can manifest themselves on the skeleton, especially when these are chronic conditions or the result of trauma to the bone. The bone elements to which muscles attach can also provide information on muscle trauma and excessive use of muscles.

3.1 CONGENITAL CONDITIONS

Heredity and environment can predispose an individual to congenital anomalies, and these are commonly observed in archaeological populations. Individual anomalies, however, tend to occur in one, rather than in a number of skeletons (Turkel 1989), and can vary in prevalence between populations. Most congenital conditions observed in skeletons are simple anomalies that do not affect the person exhibiting the defect.

Unilateral sacralisation of the fifth lumbar vertebra, where the lumbar vertebra joins to the sacrum during development, was observed in Skeleton 114. Although this individual was young, and the vertebrae were only just fused, the fifth lumbar vertebra clearly showed sacral morphology on the left side, with a projection of bone extending posteriorly towards the sacrum. This is one of the most common developmental anomalies affecting the spine, with sacralisation or lumbarisation occurring in 3-5% of the population (Aufderheide and Rodríguez-Martín 1998, 65). Unilateral sacralisation, as occurred here, can lead to the development of scoliosis (curvature of the spine) later in life (*ibid.*).

Skeleton 50 showed an unusual morphology of the auricular surface (sacroal joint) on the left ilium (hip). The auricular surface was in two parts, with the superior demiface divided from the inferior demiface at the apex by a gap of 2.5mm.

3.2 METABOLIC CONDITIONS

3.2.1 Scurvy

Scurvy is a metabolic disease that develops following a prolonged deficiency in vitamin C (ascorbic acid). Vitamin C is found in fresh fruits (especially citrus fruit) and vegetables, as well as in marine fish. Humans need to consume foods containing vitamin C regularly as they cannot generate it themselves (Aufderheide and Rodríguez-Martín 1998). Scurvy is less common in tropical areas as fresh fruits tend to be abundant, but even if