1.1 Assessment of Macroscopic Plant Remains and Charcoal

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Introduction

- 1.1.1 In total, 22 bulk disturbed samples of generally 10 litres volume have been recovered and processed for macroscopic plant remains and charcoal during the fieldwork events itemised in **Table 1**. All were recovered during the hand-excavation of features.
- 1.1.2 In terms of addressing fieldwork event aims, the recovery and assessment of these samples is primarily to establish the economic basis of agricultural communities, and to determine the local environment of the site through recovery of such palaeo-environmental data.

Methodology

- 1.1.3 Samples were selected for processing according to the following criteria;
 - A broad range of feature types was to be examined,
 - Samples should be spatially arranged across the entire site, and
 - Where possible, all chronological periods should be examined at the site
- 1.1.4 Standard flotation processing methods were used, with sample flots retained on a 0.5 mm mesh and residues fractionated into 5.6 mm, 2 mm and 1 mm fractions. All coarse fractions (i.e. >5.6 mm) were hand-sorted, weighed and discarded, with flots scanned under a x10 x30 stereo-binocular microscope in order to quantify the presence of plant macrofossils.

Quantifications

1.1.5 Macroscopic plant remains and charcoal quantification by sample per context for those fieldwork events conducted by Wessex Archaeology are provided in **Table 15**.

Provenance

1.1.6 The samples generally produced large flots (average flot size for a 10 litre sample is 60 millilitres), which were largely dominated by charcoal with mainly low levels of both rooty material and uncharred weed seeds, both of which can be indicative of stratigraphic movement.

Conservation

1.1.7 Analysis would include extraction and sorting of all charred remains from residues, facilitating storage and archive compilation.

Comparative material

1.1.8 A number of sites of these periods are known in the locale, and would provide comparative data sets. These include excavations at Stonar (Paradine n.d.), Keston Camp and Wilmington (Hillman unpub), Maidstone (Arthur 1960) and Bicknor (Arthur 1961), as well as more recent CTRL investigations at sites such as Sandway Road (URS 1999).

Potential for further work

1.1.9 Analysis will enable an interpretation of activities performed on site during the periods represented, and possibly the functions of some features. This will enable some indication of the role of the site in the social economy, and provide details of the community economy.

Bibliography

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Table 15: Quantification of Ecofacts

					Flot						Residue
Feature type	Context	Sample	Size	Flot size	Grain	Chaff	Weed	Seeds	Charcoal	Other	Charcoal
and number		_	(litres)	(ml)			Uncharred	Charred	>5.6mm		>5.6mm
HOL99 Excavation											
BTS 1001	1002	3001	10	625 ^{6.25}			+	+	++		
BTS 1001	1013	3004	10	20 ²			+	+	+		
BTS 1009	1010	3006	2	50 ^{2.5}			+		++	Moll-f (+)	
BTS 1023	1024	3008	10	225 ⁵			+	+	++		
BTS 1028	1027	3010	10	250 ^{12.5}			+	+	++		
BTS 2068	2066	3512	10	700 ⁷			+	+	++		
Ditch 4001	2029	3507	10	10 6.5			++	+	-		
Ditch 4004	2085	3513	10	5 0.5	+		+	+(h)	+	Burnt bone	
Ditch 4005	2105	3514	10	1 0.1	+	+	+	+	-		
Hearth 1033	1034	3012	10	1000 10			+	+	++		
Pit 1029	1030	3011	10	1000^{10}			+	+	+++		
Pit 2003	2001	3501	10	350 ^{3.5}	+++		+	+	++		
Pit 2043	2041	3509	10	750 ^{7.5}			+	+	++		
HOL98 Evaluation											
Crem. 359604	359605	19	10	60 ⁶	+	+	+	+	++	Burnt bone	+++
Crem. 359606	359607	20	15	175 1.75	+		++		++	Burnt bone	
Crem. 359609	359608	21	15	500 ⁵	+		++		++	Burnt bone	
Ditch 360303	360304	2	15	20 ²	+	+	+	+(h)	+	Moll-f (+)	
Ditch 359205 (=4010)	359202	22	10	30 ²	+	+	++	+	+		
Ditch 359205 (=4010)	359203	23	0.7	3 0.3	++		++	+	-		
Ditch 360507	360508	18	15	35 ^{3.5}	+	+	++		+		
Ditch 361204	361203	26	15	20 12	+	+	++	++			
Layer	352006	1	5	800 8	+		+		+++		+

Key: BTS = Burnt-out tree stump; Flot size in $^{\text{superscript}}$ = ml of rooty material; h = hazelnut; Moll-f = freshwater mollusc + = 1-10, ++ = 11-50, +++ = 51-100