Flint Method statement CTRL Post-Excavation Analysis Part 1
Philippa Bradley

Introduction

The fieldwork events which were undertaken for the CTRL project have produced an extremely extensive flint assemblage dating from the Late Glacial to the late Bronze Age. Good stratified assemblages from the Mesolithic to the late Bronze Age were recovered which will enable the changes in lithic technology to be examined over time across the landscape of the scheme. The secure stratification of many of these assemblages and their artefactual and contextual associations enhances the data further. In addition to this body of nationally important material, there is a vast collection of fieldwalked flint and flint from evaluations and excavations which will not be subjected to further detailed analysis and publication. The strength of this material lies in its spatial distribution across the landscape which will compliment the securely stratified assemblages in helping us to understand the use of the landscape across time. The flint has the potential to address many of the research questions outlined in the Updated project Design for Post-Excavation Analysis.

This document is divided into a general methodology for the baseline recording of the flint and the secondary analyses which will be undertaken. There is a mthodolgy for the remaining flintwork (fieldwalked collections, evaluation material and material from excavations that will not be analysed in any detail). Following this is a detailed discussion of each site that has been recommended for further analysis. Unless stated all methodologies will follow those described in parts 1 and 2.

1. General methods for baseline data

Although there are no nationally accepted guidelines for the recording and analysis of worked flint, the methodologies proposed below follow best practice. It is important that a certain level of data is recorded in order to provided a platform for the flint specialists to work from. This is particularly important given the project aim of making the data widely available for future researchers to interrogate. All of the excavated flint will be recorded to a baseline level. The fields for this recording are as follows: numbers of flint types by context. Where small find numbers have been used these will be recorded individually.The flint categories used will follow the OA's recording system (see Appendix 1). Where necessary additional types will be added. This will be necessary for the large Mesolithic assemblage from Sandway Road. Numbers of burnt and broken pieces and the weight of cores will also be recorded (Table 1). This will allow the general condition of the material to be compared across the route. Recording core weights provides the best measure, together with typological attribution, for this artefact class. Comparisons of reduction strategies will be facilitated by recording core weights. These fields will enable the assemblages to be examined on a route-wide basis. Some of the assemblages, for example White Horse Stone and Sandway Road will require further sorting and basic recording as only samples of these assemblages were looked at during the assessment. A context comments box enables a general impression of a complete context to be recorded.

Table1: Baseline flint fields

Site code	Context	SF number	Flint Category	Total Number in bag	Number burnt in bag	Number broken in bag	Weight (g)	Context date	Context comments

Burnt unworked flint - the mojority of this has been recorded during the assessment phase and will therefore not require looking at again, unless there is a particular need to do so. This will be detailed in the individual site summaries. Some spatial analysis of the burnt unworked flint has been recommended for some sites, again this is detailed in the site summaries. Data from the assessment records can be imported into the new datasets. Where the burnt unworked flint does require recording its number, weight and general appearance will be recorded using the baseline recording form.

2. Second stage analysis

Selected assemblages or parts of assemblages will undergo a more detailed analysis in order to clarify the nature of the material, gain more information about the reduction sequences and the activities occurring on the sites. Each of the sites is dealt with below and although the same methodology will be applied throughout not all of the assemblages will have the same level of recording undertaken. The analyses will be broken down into four distinct areas:

2.1 Attribute/metrical analysis

Assemblages deemed suitable for attribute/metrical analysis will be examined in some detail. The following fields will normally be recorded. Any divergence from these will be outline in the detailed site methodology (see section 4 below).

Number	Fields for recording	Comments/references
1	Metrical data (Length/breadth/thickness)	record in mm, follow Saville 1980
2	Hammer mode (hard/soft/indeterminate)	
3	Completeness (Complete/broken/snapped)	
4	Termination type (Feather/hinge/step/plunging/other)	

2.2 Refitting analysis

Assemblages deemed suitable for refitting analysis will be laid out and refits, conjoins and related groups of raw materials sought. Each will be recorded using a standard form.

2.3 Usewear analysis
The potential for usewear analysis has been highlighted at a number of sites (eg White Horse Stone, Beechbrook Wood). This will be investigated further and recommendations for future researchers will be outlined. In certain exceptional cases some usewear analysis will be undertaken (eg to help clarify the function of the Neolithic structures at White Horse Stone). Methodology for the usewear analysis will follow the standard references (eg ***) and use the system devised by OA (see Appendix 2).

2.4 Spatial analysis
Assemblages requiring spatial analysis will be plotted using ** Patterns within the material will be sought. Spatial analysis will carried out in conjunction with the relevant project officers.

3 Route-wide analysis

The following fieldwork events have produced flint, which will not be analysed further as part of the post-excavation programme:

- Fieldwalked data
- Evaluation data
- Assessed excavated assemblages that will not been analysed further

However, summary archive reports will be made available for each site, which will generally be the assessment report, revised where necessary. This group of flint does however provide a great deal of information about the use of the landscape through time. This will be particularly important for the earlier prehistoric use of the landscape. It is unlikely that this material will need to be examined again although a contingency should be provided. It is proposed that the lithics specialists examine the distribution of this material in conjunction with the relevant project officer(s). If significant assemblages are isolated provision will be made for the relevant lithics specialist to briefly re-examine this material.

4. Summary of individual site methodologies

Site identifiers used follow Integrated archive specification (part 4).

4. Beechbrook Wood
Summary data

Task list

Task number	Description	Person	Number of days
4.1	Complete baseline recording of flint	H Lamdin-Whymark	?8
4.2	2nd stage analysis - refitting analysis	H Lamdin-Whymark	2
4.3	2nd stage analysis - technological (LM,	H Lamdin-Whymark	?

	EN and Beaker groups c ** flints)		
4.4	Identify key groups for usewear research	H Lamdin-Whymark	1
4.5	Select pieces for illustration, brief drawing office and prepare catalogue (c 35?? pieces), correct drawings	H Lamdin-Whymark	1
4.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
4.7	Spatial analysis	H Lamdin-Whymark/ Project officer	1
4.8	Prepare publication text	H Lamdin-Whymark	
4.9	Check proofs	H Lamdin-Whymark	0.5
4.10	Meeting/liasion time	H Lamdin-Whymark	0.5

7. Cobham Golf Course

Summary data

Task list

Task number	Description	Person	Number of days
7.1	Complete baseline recording of flint	H Lamdin-Whymark	1
7.2	2nd stage analysis - refitting analysis	H Lamdin-Whymark	?1
7.3	2nd stage analysis - attribute analysis	H Lamdin-Whymark	2
7.3	Identify key groups for usewear research	H Lamdin-Whymark	1
7.4	Compare with ARC CGC 97 etc lithics	H Lamdin-Whymark	0.5
7.5	Select pieces for illustration, brief drawing office and prepare catalogue (c20 pieces), correct drawings	H Lamdin-Whymark	0.75
7.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
7.7	Prepare publication text	H Lamdin-Whymark	2
7.8	Check proofs	H Lamdin-Whymark	0.5
7.9	Meeting/liasion time	H Lamdin-Whymark	0.5

10. Hurst Wood

Summary data

Task list

Task number	Description	Person	Number of days
10.1	Complete baseline recording of flint	H Lamdin-Whymark	1
10.2	2nd stage analysis - refitting analysis	H Lamdin-Whymark	?1
10.3	2nd stage analysis - attribute analysis	H Lamdin-Whymark	?1
10.4	Identify key groups for usewear research	H Lamdin-Whymark	1
10.5	Spatial analysis	H Lamdin-Whymark /Project officer	1
10.5	Select pieces for illustration, brief drawing office and prepare catalogue (c 20 pieces), correct drawings	H Lamdin-Whymark	0.75
10.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
10.7	Prepare publication text	H Lamdin-Whymark	?2
10.8	Check proofs	H Lamdin-Whymark	0.5
10.9	Meeting/liasion time	H Lamdin-Whymark	0.5

12. Little Stock Farm

Summary data

Task list

Task number	Description	Person	Number of days
12.1	Complete baseline recording of flint	H Lamdin-Whymark	1
12.2	2nd stage analysis - attribute analysis to establish nature of assemblage	H Lamdin-Whymark	1
12.3	Identify key groups for usewear research	H Lamdin-Whymark	0.25
12.4	Select pieces for illustration, brief drawing office and prepare catalogue (c10 pieces), correct drawings	H Lamdin-Whymark	0.5
12.5	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
12.6	Prepare publication text	H Lamdin-Whymark	1
12.7	Check proofs	H Lamdin-Whymark	0.5
12.8	Meeting/liasion time	H Lamdin-Whymark	0.5

15. North of Saltwood Tunnel

Summary data

Task list

Task number	Description	Person	Number of days
15.1	Complete baseline recording of flint	H Lamdin-Whymark	3
15.2	2nd stage analysis - attribute analysis of EN pit group	H Lamdin-Whymark	1
15.3	Identify key groups for usewear research	H Lamdin-Whymark	0.25
15.5	Select pieces for illustration, brief drawing office and prepare catalogue (c 10 pieces), correct drawings	H Lamdin-Whymark	0.5
15.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
15.7	Prepare publication text	H Lamdin-Whymark	1
15.8	Check proofs	H Lamdin-Whymark	0.5
15.9	Meeting/liasion time	H Lamdin-Whymark	0.5

17. Sandway Road

Summary data

Task list

Task number	Description	Person	Number of days
17.1	Complete baseline recording of flint	M Raynier	
17.2	2nd stage analysis - refitting analysis	M Raynier	
17.3	2nd stage analysis - attribute analysis	M Reynier	
17.3	Identify key groups for usewear research	M Raynier	
17.4	Spatial analysis	M Reynier/ Project officer	
17.5	Select pieces for illustration, brief drawing office and prepare catalogue (c ** pieces), correct drawings	M Raynier	
17.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
17.7	Prepare publication text	M Raynier	
17.8	Check proofs	M Raynier	

17.9	Meeting/liasion time	M Raynier	

18. South of Snarkhurst Wood

Summary data

Task list

Task number	Description	Person	Number of days
18.1	Complete baseline recording of flint	H Lamdin-Whymark	1
18.2	2nd stage analysis - spatial analysis	H Lamdin-Whymark/ Project officer	1
18.5	Select pieces for illustration, brief drawing office and prepare catalogue (c 15 pieces), correct drawings	H Lamdin-Whymark	0.5
18.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
18.7	Prepare publication text	H Lamdin-Whymark	1
18.8	Check proofs	H Lamdin-Whymark	0.5
18.9	Meeting/liasion time	H Lamdin-Whymark	0.5

19. South-East of Eyhorne Street

Summary data

Task list

Task number	Description	Person	Number of days
19.1	Complete baseline recording of flint	H Lamdin-Whymark	1
19.2	2nd stage analysis - refitting analysis	H Lamdin-Whymark	1
19.3	2nd stage analysis - attribute analysis for GW and Beaker associated material	H Lamdin-Whymark	1
19.4	Identify key groups for usewear research	H Lamdin-Whymark	0.25
19.5	Spatial analysis	H Lamdin-Whymark/Project officer	1
19.6	Select pieces for illustration, brief drawing office and prepare catalogue (c10 pieces), correct drawings	H Lamdin-Whymark	
19.7	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
19.8	Prepare publication text	H Lamdin-Whymark	1
19.9	Check proofs	H Lamdin-Whymark	0.5
19.10	Meeting/liasion time	H Lamdin-Whymark	0.5

21. Tollgate

Summary data

Task list

Task number	Description	Person	Number of days
21.1	Complete baseline recording of flint	H Lamdin-Whymark	1
21.2	2nd stage analysis - refitting analysis	H Lamdin-Whymark	1
21.3	Identify key groups for usewear research	H Lamdin-Whymark	0.25
21.4	Compare with ARC TGS etc lithics	H Lamdin-Whymark	0.5
21.7	Prepare publication text	H Lamdin-Whymark	1
21.8	Check proofs	H Lamdin-Whymark	0.25
21.9	Meeting/liasion time	H Lamdin-Whymark	0.5

24. West of Northumberland Bottom

Summary data

Task list

Task number	Description	Person	Number of days
24.1	Complete baseline recording of flint	H Lamdin-Whymark	1
24.2	2nd stage analysis - selected attribute analysis depending on detailed recording (say 200 piececs)	H Lamdin-Whymark	2
24.3	Select pieces for illustration, brief drawing office and prepare catalogue (c 9 pieces), correct drawings	H Lamdin-Whymark	0.5
24.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
24.7	Prepare publication text	H Lamdin-Whymark	1
24.8	Check proofs	H Lamdin-Whymark	0.5
24.9	Meeting/liasion time	H Lamdin-Whymark	0.5

26. White Horse Stone

Summary data

Description of recording/analytical tasks required

As only a sample of the flint was assessed there are some basic tasks left to be undertaken before the analysis of this material can be undertaken. The flint will also require some preliminary sorting and re-boxing prior to completing the recording and undertaking the analysis.

Task list

Task number	Description	Person	Number of days
26.1	Re-box finds by context number	Finds assistant	5
26.2	Complete baseline recording of flint	H Lamdin-Whymark	18
26.3	2nd stage analysis - attribute analysis	H Lamdin-Whymark	8
26.3	Undertake refitting analysis	H Lamdin-Whymark	2
26.4	Identify key groups for usewear research (undertake limited key usewear eg house contexts)	H Lamdin-Whymark	5
26.5	Select pieces for illustration, brief drawing office and prepare catalogue (c 50 pieces), correct drawings	H Lamdin-Whymark	3
26.6	Illustrate lithics (inc photographs for refits if found)	Illustrator/photographer	
26.7	Prepare publication text	H Lamdin-Whymark	6
26.8	Check proofs	H Lamdin-Whymark	1
26.9	Meeting/liasion time	H Lamdin-Whymark	1

Appendix 1 Flint Categories (NB requires input from Michael Reynier currently