An Analysis and Descriptive Catalogue of Lithic Material from the Flodden Area

Dr. Rob Young, February 2016
LITHIC MATERIAL FROM FLODDEN
ANALYSIS AND DESCRIPTIVE CATALOGUE

Abstract

A total of 629 pieces lithic material from both excavation, test pitting (29 pieces) and field-walking (600 pieces) carried out as part of the Flodden 500 project are covered in this first report.

The field-walked material came from 12 surveyed fields that were examined after ploughing. Because of the limited number of fields surveyed, the results are not extensive but the material recovered does provide evidence of prehistoric activity within the area of the survey.

The collection under study represents an admixture of material from different periods, consisting primarily of debitage, with few recognisable or chronologically diagnostic tool types. The raw material visible in the collected sample consists of flint, quartzite, chert and agate. The majority of the worked material takes the form of secondary debitage (waste material) identified by the presence of partial cortex/pebble nodule surface and indications of previous flake removals on the dorsal faces of pieces. Some primary debitage has been identified by the presence of un-worked cortex and a lack of previous flake removals on the dorsal faces of pieces, but this is only fleetingly represented in the collection.

The source of the utilised flint is of some interest. It is mainly pebble flint and may well come from coastal sources to the east of the survey area. The need to transport this material may be one reason for the lack of primary pebble reduction. Primary knapping may well have been undertaken at source. The presence of what may be a small amount of pitchstone is also of note and must indicate contacts with communities around the rock source on the Isle of Arran and the Firth of Clyde area.

Very few chronologically diagnostic tool types were recovered. Indeed only two possible microliths of Later Mesolithic type were recorded. No later projectile points were revealed though some core, scraper, borer and knife forms span the whole of the period from the Later Mesolithic through to the Later Neolithic/Early Bronze Age periods.

Other tools encountered in the recovered material included whetstones which could be of any date post the Neolithic period.

[Lithics were reported on in two tranches as finds sorting progressed. The second report covered most of the material from the excavations together with four additional fields - this follows below (page 53) after the catalogue relating to the first report. Many obviously unworked pieces had been discarded during initial finds processing, but the assemblage submitted to Dr. Young for identification contained many more. Owing to some misunderstanding about this selection policy the statistics in the first report includes these in the totals analysed although they were only a proportion of the natural material recovered. Unfortunately, given the pressure of time and resources, it has not been practicable to rework the figures nor to completely integrate the two reports. However, we hope that the important information they contain is clear and accessible. JV and JN December 2016].
1. Introduction

This report presents data from field-walking, test pitting and excavation, carried out as part of the Flodden 500 project. The few broadly dateable pieces span the Mesolithic-Bronze Age periods, however most of the material is debitage of various forms (waste material from the knapping/reduction process) and this is largely, chronologically/culturally un-diagnostic.

Each piece recovered has been accorded a number within each field/excavation/test pit context and this number has been used in the structuring of the detailed catalogue of material appended at the end of this discussion. All finds bags have been marked with this number. Basic information has been recorded on: raw material type, artefact form (using established typological criteria), artefact completeness or otherwise, position within the lithic reduction sequence (where this can be established), and any surface alteration, whether through burning, re-cortication or patination. Simple metrical attributes of maximum length, maximum breadth/width and maximum thickness and weight (where necessary) have been recorded, again, using established methodologies. Material from each field surveyed has been analysed and considered as individual assemblages, using the criteria set out above.

2. Raw Material

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<th>% Tot Finds</th>
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Table 3: Raw material recovered in field–walking by field
As Tables 1-3 indicate, grey flint (in various shades) was the commonest form of flint recorded in the field-work, accounting for just over 22% of the total material recovered in the excavation, 35% from the test pitting and just over 32% from the fieldwalking. As the catalogue entries indicate, where cortex occurs on this material it is invariably rounded, smoothed and rolled. Flint accounts for over 54% of the material recovered from field walking, while chert makes up over 5% of the total, agate over 27% and quartzite just over 10%. These figures can be compared with the results of other recent surveys in the region e.g. the Till-Tweed Fieldwalking Survey Carried out by Clive Waddington and others (Waddington, 2005) where 2727 chipped stone pieces were recovered and the assemblage consisted of 47.3% flint, 26.1% chert, 25.3% agate and 1.4% quartz. (Waddington, 2005, 43 – 47).

No flint outcrops naturally in the study area. Small pebbles and cobbles are sometimes found in the local glacial till and Wickham-Jones and Collins (1977-78, 11) have identified two potential sources of flint in Berwickshire – Bedshiel Kaimes ‘chalk flints in boulder clay’ and Lammerlaw, ‘grey and black flints with shells exposed in Lammerlaw Burn, but this material is, typically, of poor quality.

Given the rolled and smoothed nature of the pebble cortex visible within the collection, coastal deposits would seem to be a more reliable source of better quality material and while the definitive source of this flint is not known, it may well wash ashore from primary outcrops that are now submerged in the North Sea. Thomsen (2000, 20) has indicated, a flint bearing chalk formation does enter the sea at Flamborough Head in Yorkshire, and runs northwards, coming within twenty kilometres of the Northumberland coast. As Pedersen (n.d.) has speculated, ‘this outcrop may have been directly accessible to the inhabitants of the region in the Late Glacial and possibly also the incipient Holocene, for the lower sea levels would have exposed this and rendered it a terrestrial feature’. It might also be that Flamborough Head and the Yorkshire Wolds themselves could have been a source for the grey flint represented in the material.

Grey flint of similar colour and with the same sort of cortex was collected in large amounts at Howick, and it is still possible to recover material from the beach there today (Waddington 2007, 78).

The red/brown flint makes up almost 3% of the total raw material recovered in the fieldwalking and over 22% of that from the excavations. This kind of flint occurs frequently in Scotland, (Mullholland, 1970) and the north-east of England, especially further south in County Durham (Young, 1985, 1987; Young and O’Sullivan, 1993; Weyman 1984). Given the evidence of smoothed and rolled pebble cortex present on some of this material a beach source may also be postulated as the origin of this material.

Some 35 pieces of chert (making up almost 6% of the total raw material) occur within the field walked sample, while only one piece was recorded in the test pitting and one further piece from the excavations. Again these could all be derived from local glacial deposits. Wickham – Jones and Collins (1977-78, 7-21) have, however, collated geological references to potential sources of flint and chert in Northern Britain (mainly the borders Region and further north). This work has identified a number of potential chert sources in Northumberland and close to the study area e.g. Hadden Burn (NT 4416), Carham (NT 7938), Craneclough (no grid ref), Kielder NY 5986, Arkenshaw Burn and Lewis Burn ( no grid ref.), Redesdale (no grid ref.), Wark (NT 824387). Erosion of these formations and those documented to the north, east and west of the study area,
is likely to have also introduced this material into the sand and gravels; ensuring transportation by riverine and glacial activity.

Other documented raw materials, the sources of which cannot be provenance with any certainty include quartz, and quartzite (over 10% total raw material from field-walking) and banded agate (over 27% of total raw material recovered from field-walking). All occur regularly in the local drift geology. They may be of local origin, but they may also have been transported by glacial movement.

The occurrence of a small amount of pitchstone is of interest. This is a volcanic rock whose main source is an outcrop on the Isle of Arran, though it is recorded in outcrops on surrounding islands and on the mainland in the Firth of Clyde (Thorpe & Thorpe 1984, 28, Bjarke Ballin, 2009). It seems to have been transported through exchange at the end of the Mesolithic period, becoming more widespread away from its source during the ensuing Neolithic period. It is most prevalent as a utilised raw material in collections made nearest its primary outcrops in the Firth of Clyde and the frequency of its occurrence declines as the distance from this region increases (Bjarke Ballin & Ward 2008, 5).

### 3. Lithic Analysis

#### Test Pits

Twenty pieces of lithic material were recovered from the test-pitting exercise. This figure can be broken down as follows:

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<td></td>
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<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>natural pebbles unidentified</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>20</td>
<td>3</td>
<td>2</td>
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<td></td>
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<td>2</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Table 4: Material from Test Pits**

None of the material from test pitting is chronologically diagnostic.
Excavation

Nine pieces of lithic material were recovered from the excavations and these can be classified as follows:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</tr>
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<tbody>
<tr>
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<td>1</td>
<td>1</td>
<td>1</td>
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<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>scraper</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>retouched/utilised blade-like flakes</td>
<td>1</td>
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<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>blade/flake segments</td>
<td>2</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>utilised blade/flake segments</td>
<td>1</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>chips</td>
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</tbody>
</table>

Table 5: Material from Excavations
None of the material is definitively chronologically diagnostic but the two scrapers may well be Mesolithic in date.

Field-Walking

As Table 3 indicates two fields (Nos. 1 and 7) have produced just over 47% of all the lithic finds in the survey. In what follows the material from each field surveyed is analysed as a separate ‘assemblage’.

In the tables, the following abbreviations have been used:

Tot. = Total    Comp. = Complete    Pl. = Plain    Cort. = Cortical
Fac. = Facetted  Pron. = Pronounced  Diff. = Diffuse

These refer to the nature of striking platform/butt type remaining on flakes (Plain, Cortical, Facetted) and the nature of surviving bulbs of percussion: (Pronounced, Diffuse). A general overview is presented at the end of this section.
Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF</th>
<th>%TOT. Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>core</td>
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<td>primary flake</td>
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<td>2</td>
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<td></td>
<td></td>
<td>0.66</td>
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<tr>
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<td></td>
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<td></td>
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<td>1.98</td>
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<td>blades-retouched/utilised</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>9.27</td>
</tr>
<tr>
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<td></td>
<td></td>
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<td></td>
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<tr>
<td>bladelets</td>
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<td>3</td>
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<td>1</td>
<td>2</td>
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<td>3.31</td>
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<tr>
<td>bladelets – utilised</td>
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<td>1</td>
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<td></td>
<td></td>
<td></td>
<td>0.66</td>
</tr>
<tr>
<td>misc. retouched/utilised flakes</td>
<td>8</td>
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<td>4</td>
<td>4</td>
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<td>1</td>
<td>1</td>
<td>4</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>1.32</td>
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<tr>
<td>chips</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7.94</td>
</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles flint</td>
<td>24</td>
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<td></td>
<td></td>
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<td>pitchstone</td>
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<tr>
<td>TOTAL</td>
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<td>34</td>
<td>46</td>
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<td>3</td>
<td>1</td>
<td>15</td>
<td>37</td>
<td>99.91</td>
</tr>
</tbody>
</table>

Table 6: Material Recovered from Field 1
Technology

Of the 11 recorded cores, two in quartz crystal show evidence for bi-polar working. The remainder are all free hand cores, two of which are in agate, the rest in flint. Three of these show evidence for flake removals from at least three directions, four are single platform cores, and two show evidence for opposed platform orientation, with flakes removed from two directions.

In terms of weight cores range from 6 gms – 110 gms with an average weight of c. 21gms. In terms of length, cores range from 26mm – 57 mm with an average length of c. 38mm. In breadth they range from 14mm – 45mm with an average breadth of 28mm. The variation in flaking patterns clearly indicates that knappers were parsimonious in their use of raw materials and that they tried to extract the maximum possible useable pieces from cores before they were discarded. The presence of three flakes from core trimming/rejuvenation would also support this hypothesis, as would the two tested pebbles. All cores seem to have been used in the manufacture of flakes rather than blades.

Primary flakes make up only 3.97% of the collection while secondary and inner flakes contribute just over 28% of the overall total, again supporting the notion that primary core preparation was carried out elsewhere, probably nearer to the sources of the raw material. The presence of both pronounced and diffuse bulbs of percussion on flakes along with the dominance of plain striking platform remnant would suggest that both hard and soft hammer technology was in evidence within the collection.

The high incidence of blades, blade-like flakes, bladelets and blade segments is interesting as blade technology is not manifest in the core morphology. The presence of 17 blade segments might suggest that microlith manufacture was taking place at this locality. The presence of a single possible, broken microlith would suggest that if microliths were being made that they were removed from the site for use elsewhere.

Microliths
The one broken example is possibly of the rod or scalene triangle type and a common occurrence on Later Mesolithic sites in upland and lowland Britain.

Scrapers
Of the seven recorded scrapers, four are end scrapers, manufactured on the distal ends of flakes, two are both side and end scrapers and one is a disc scraper. All seven would not be out of place in any Later Mesolithic flint assemblage from the region.

Knife
One example of a possible retouched knife, probably of Neolithic or Bronze Age date was recorded. This was made on a good quality, dark grey secondary flint flake and retouched on the right edge and around both ends. It is not a classic plano-convex form, but it would not appear to be a Mesolithic piece.

Waste Flakes
Twentyone complete waste flakes were recorded, ranging in length from 10mm – 60mm with an average length of 30mm and in breadth from 9mm – 38mm with an average breadth of 19mm. Again these data ranges are comparable with most other flake collections from field walking in Northumberland (see Pedersen, n.d.; Waddington, 2000)
Field 2

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL.</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF.</th>
<th>%TOT. Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>core</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11.11</td>
<td></td>
</tr>
<tr>
<td>secondary flake</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>11.11</td>
<td></td>
</tr>
<tr>
<td>inner flake</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>5.55</td>
<td></td>
</tr>
<tr>
<td>microlith</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>5.55</td>
<td></td>
</tr>
<tr>
<td>scraper</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>5.55</td>
<td></td>
</tr>
<tr>
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<td>1</td>
<td>1</td>
<td></td>
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<td></td>
<td>1</td>
<td>11.11</td>
<td></td>
</tr>
<tr>
<td>tested pebbles</td>
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<td>5.55</td>
<td></td>
</tr>
<tr>
<td>chips</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>11.11</td>
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</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles</td>
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</tr>
<tr>
<td>TOTAL</td>
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<td>4</td>
<td></td>
<td>2</td>
<td>2</td>
<td>99.96</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 7: Material Recovered from Field 2

Technology

The two cores (F2 Cat. Nos. 3 and 12) recovered during the survey of this site are both on agate and the scars on their working surface suggest that they have both been used in the production of blades. Again, the lack of primary flaking debris suggests that any preliminary dressing work was carried out at source or ‘off-site’. The presence of both pronounced and diffuse bulbs of percussion on the recorded secondary and inner flakes would suggest that both hard hammer and soft hammer percussive techniques were employed. Pressure flaking may have been in evidence in the production of the two plano-convex flint knives (F2 Cat. Nos. 17 and 18).

Microlith

One ‘needle point’ example (in quartzite) was recorded (F2 Cat. No. 1). This would not be out of place in any Later Mesolithic assemblage from the North-East.

Scrapers

Only one broken example was recorded (F2 Cat. No. 4). It is made on a burnt fragment of a heavy inner flint flake, steeply retouched on its left edge.

Plano-Convex Knives

Two fine examples (F2 Cat. Nos. 17 and 18) were recorded, one (17) on a secondary flint flake, the other (18) on an inner flint flake. Both have been finely retouch and exhibit elegant scalar working on their dorsal faces. Plano-convex knives are usually seen as being of Later Neolithic/Early Bronze Age in date. Simpson (1968) has documented their regular association with early Bronze Age Food Vessel pottery.
Field 3

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

Table 8: Material Recovered from Field 3

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COM</th>
<th>PL</th>
<th>CRUSHED</th>
<th>COR T</th>
<th>FAC</th>
<th>PRON.</th>
<th>DIFF</th>
<th>%TOT Finds</th>
</tr>
</thead>
<tbody>
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<td>core</td>
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<td></td>
<td>6.25</td>
</tr>
<tr>
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<td></td>
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<td>1</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
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</tr>
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<td>2</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
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<td>1</td>
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<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
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<td>2</td>
<td>3</td>
<td>7</td>
<td></td>
<td>99.96</td>
</tr>
</tbody>
</table>

Technology

Both cores present (F3 Cat. Nos. 2 and 20) were used in the production of flakes. The lack of both primary and secondary removals in the collection again suggests that preliminary nodule/pebble dressing and core preparation might have taken place ‘off site’. Surviving bulbs of percussion suggest that soft hammer flaking (represented by diffuse bulbs) may have been more in evidence that hard hammer percussion.

Scrapers

Two examples (F3 Cat. Nos. 9 and 32). One (Cat. No. 9) is an end scraper on the distal end of an inner flint flake, the other (F3 Cat. No. 32) is a side and end scraper on an inner flint flake. Both would not be out of place in assemblages of either Mesolithic or Neolithic/Bronze Age date.

Bladelets

The presence of two bladelets (F3 Cat. Nos. 5 and 6) might be an indication of a Mesolithic element in this small collection.
Field 4

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON.</th>
<th>DIFF</th>
<th>%TOT Finds</th>
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<td></td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
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<td>1</td>
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<tr>
<td>blade-like flakes</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
<td>utilised flakes</td>
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<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
<td>blade/flake segments</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
<td>core rejuvenation/trimming flakes</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
<td>struck fragments</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
<td>chips</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.12</td>
</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles</td>
<td>14</td>
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<td></td>
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<tr>
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<td></td>
<td></td>
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</tr>
<tr>
<td>TOTAL</td>
<td>32</td>
<td>7</td>
<td>7</td>
<td>11</td>
<td>4</td>
<td>7</td>
<td>99.93</td>
<td></td>
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</tr>
</tbody>
</table>

Table 9: Material Recovered from Field 4

Technology

The agate core (FA Cat. No. 25) is a single platform example with flakes removed only part way round the platform circumference. No primary or secondary flakes were recorded and the remaining platforms and bulbs on the 6 complete inner flakes indicates the use of both hard and soft hammer percussion techniques.

Scrapers

The two recorded examples (F4 Cat. Nos. 1 and 20) are both broken. No. 1 is on the distal end of an inner flake, while No. 20 is a side and end scraper. Again both could be of Mesolithic-Neolithic/Bronze Age date.
Field 5

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF</th>
<th>%TOT. Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>core</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>12.12</td>
</tr>
<tr>
<td>secondary flake</td>
<td>8</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>5</td>
<td></td>
<td></td>
<td>12.12</td>
</tr>
<tr>
<td>inner flake</td>
<td>10</td>
<td>7</td>
<td>3</td>
<td>9</td>
<td>1</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td>15.15</td>
</tr>
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<td>core rejuvenation/trimming flake</td>
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<td>1</td>
<td>1</td>
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</tr>
<tr>
<td>scraper</td>
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<td>2</td>
<td>1</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>3.03</td>
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<td>borer</td>
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<td>1</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>1.51</td>
</tr>
<tr>
<td>blade-like flakes</td>
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<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.03</td>
</tr>
<tr>
<td>blade-like flakes, utilised</td>
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<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>4.54</td>
</tr>
<tr>
<td>blade-like flakes, retouched</td>
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<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1.51</td>
</tr>
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<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>3.03</td>
</tr>
<tr>
<td>blade/flake segments</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.03</td>
</tr>
<tr>
<td>misc. retouched/utilised flake</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>3.03</td>
</tr>
<tr>
<td>chips</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.03</td>
</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles flint chunk</td>
<td>21</td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td>31.81</td>
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<tr>
<td>natural stone-unidentified</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>1.51</td>
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<td>21</td>
<td>2</td>
<td>3</td>
<td>19</td>
<td></td>
<td>99.95</td>
<td></td>
</tr>
</tbody>
</table>

Table 10: Material Recovered from Field 5

Technology

The 8 cores (F5, Cat. Nos. 4, 16, 26, 43, 44, 57, 58, 61) can be further classified as follows:

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4, 26, 43, 44</td>
<td>2 Opposed platforms, flakes removed all way round both platforms</td>
</tr>
<tr>
<td>16</td>
<td>2 Opposed platforms, flakes removed part way around bot platforms</td>
</tr>
<tr>
<td>57</td>
<td>Single platform core, flakes removed part way around circumference</td>
</tr>
<tr>
<td>58</td>
<td>2 Opposed platforms, but with flakes removed from 3 directions</td>
</tr>
<tr>
<td>61</td>
<td>Irregular core, flakes removed frrom at least 3 directions.</td>
</tr>
</tbody>
</table>
All, with the exception of No. 43, have been used to produce flakes. No. 43 has been used to produce parallel sided blade-like flakes. In terms of weight, the cores range from 5gms – 53gms with an average weight of 25.3 gms. Eighteen of the surviving 21 bulbs of percussion, in the collection are diffuse, and might indicate the prevalence of soft hammer percussive methods.

**Scrapers**

Two scrapers (F5 Cat Nos. 52 and 63) were recorded and both are of the End Scraper category. They are both difficult to date with any certainty and could well be Mesolithic or later.

**Blade-like flakes and blade/flake segments**

These make up over 15% of the total collection and may well be of Mesolithic date. Blade/flake segments are often associated with microlith manufacture.

Natural/ ‘Unworked’ raw materials make up over 33% of the collection.

**Field 7**

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF</th>
<th>%TOT Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>core</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.15</td>
</tr>
<tr>
<td>primary flake</td>
<td>6</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td></td>
<td>4.31</td>
</tr>
<tr>
<td>secondary flake</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td>2.15</td>
</tr>
<tr>
<td>inner flake</td>
<td>27</td>
<td>10</td>
<td>17</td>
<td>20</td>
<td>4</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td>19.42</td>
</tr>
<tr>
<td>core rejuvenation/trimming flakes</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td>2.15</td>
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<td>5</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>3</td>
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<td></td>
<td></td>
<td>3.59</td>
</tr>
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<td>1</td>
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<td>1</td>
<td></td>
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<td></td>
<td>1.43</td>
</tr>
<tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>0.71</td>
</tr>
<tr>
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<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.71</td>
</tr>
<tr>
<td>misc. retouched/utilised flakes</td>
<td>7</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>5.03</td>
</tr>
<tr>
<td>blade/flake segments</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.15</td>
</tr>
<tr>
<td>tested pebbles</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.03</td>
</tr>
<tr>
<td>chips</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7.91</td>
</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles flint</td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>39.54</td>
</tr>
<tr>
<td>oval, fine grained pebbles</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td>0.71</td>
</tr>
<tr>
<td>TOTAL</td>
<td>139</td>
<td>20</td>
<td>34</td>
<td>39</td>
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<td>9</td>
<td>32</td>
<td></td>
<td></td>
<td>99.86</td>
</tr>
</tbody>
</table>

Table 11: Material Recovered from Field 7
Technology

Of the 3 recorded cores (F7 Cat. Nos. 19, 48, 116), one (116) is shattered, and the other two have seen minimal flake removals. Again, the prominence of diffuse bulbs in the surviving sample might suggest a preference for soft hammer percussion.

Scrapers

5 were recorded (F7 Cat. Nos. 25, 49, 79, 117, 121). Of these one is shattered (25), two are side scraper (49, 117), one is a disc-like piece (79) and one is a small 'thumb nail scraper’ (121). Only one (No. 121) is chronologically diagnostic and probably belongs to the Neolithic/Bronze Age period.

Serrated Blades, Blade-like Flakes and Blade/Flake Segments

These make up some 5% of the material collected and might indicate a Later Mesolithic/Early Neolithic presence within the collection.

Whetstone

The single example recorded could belong to any period since the inception of the use of metals.

Field 8

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF</th>
<th>%TOT Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>secondary flake</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12.50</td>
</tr>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>25.00</td>
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<td>6.25</td>
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<td>1</td>
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</tr>
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<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 12: Material Recovered from Field 8

Technology

The presence of pronounced and diffuse bulbs of percussion in the collected sample would imply the use of both hard and soft hammer percussion.

Scraper

The single, side and end scraper, (F8 Cat. No. 4), is probably of Mesolithic date.

Natural/Un-worked material makes up over 50% of the collection.
Field 14

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
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<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF</th>
<th>%TOT Finds</th>
</tr>
</thead>
<tbody>
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<td>25.00</td>
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<td></td>
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<td></td>
<td></td>
<td>1</td>
<td>8.33</td>
</tr>
<tr>
<td>retouched/utilised flakes</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>33.33</td>
</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles flint chunk</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>secondary flakes</td>
<td>1</td>
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<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td>8.33</td>
</tr>
<tr>
<td>TOTAL</td>
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<td>5</td>
<td>2</td>
<td>5</td>
<td></td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td>99.91</td>
</tr>
</tbody>
</table>

Table 13: Material Recovered from Field 14

The majority of the finds from Field 14 are chronologically undiagnostic. The side and end scraper (F4 Cat. No. 7) may be of Later Mesolithic origin.

Field 16

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
<th>BROKEN</th>
<th>COMP.</th>
<th>PL.</th>
<th>CRUSHED</th>
<th>CORT.</th>
<th>FAC.</th>
<th>PRON.</th>
<th>DIFF.</th>
<th>%TOT. Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>secondary flake</td>
<td>1</td>
<td>1</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.34</td>
</tr>
<tr>
<td>inner flake</td>
<td>8</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td></td>
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<td>1</td>
<td>1</td>
<td>5</td>
<td>34.76</td>
</tr>
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<td>scraper</td>
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<td>1</td>
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<td>1</td>
<td></td>
<td></td>
<td></td>
<td>13.04</td>
</tr>
<tr>
<td>blade Flake segments</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.68</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.34</td>
</tr>
<tr>
<td>chips</td>
<td>2</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>8.68</td>
</tr>
<tr>
<td>natural/unworked chunks/nodules/pebbles agate</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>26.07</td>
</tr>
<tr>
<td>TOTAL</td>
<td>23</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>99.91</td>
</tr>
</tbody>
</table>

Table 14: Material Recovered from Field 16
Technology

The lack of cores and primary debitage within this small collection suggests that pebble dressing and core preparation took place ‘off-site’. Both hard and soft hammer percussion was probably utilised on the site.

Scrapers

Three possible scrapers (F16 Cat. Nos. 8, 21 and 22) were recorded. No.8 is a simple side scraper, whilst Nos. 21 and 22 are both ‘thumb nail’ scrapers and probably of Neolithic/Bronze Age date.

Whetstones

One possible example (F16, Cat. No.4) was recorded. This must post date the Neolithic period but it is otherwise not chronologically diagnostic.

Also Field 16:

13E Grey Mottled flint chip
12G Light grey fragment from a bi-polar core

Field 22

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
<th>BROKEN</th>
<th>COMP</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON</th>
<th>DIFF.</th>
<th>%TOT. Finds</th>
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</thead>
<tbody>
<tr>
<td>core</td>
<td>4</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>primary flake</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>4.16</td>
</tr>
<tr>
<td>secondary flake</td>
<td>2</td>
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<td></td>
<td></td>
<td></td>
<td>2.08</td>
</tr>
<tr>
<td>inner flake</td>
<td>17</td>
<td>8</td>
<td>9</td>
<td>11</td>
<td></td>
<td>3</td>
<td>8</td>
<td></td>
<td></td>
<td>17.70</td>
</tr>
<tr>
<td>scraper</td>
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<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.08</td>
</tr>
<tr>
<td>borer</td>
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<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>2.08</td>
</tr>
<tr>
<td>blade-like flakes-retouched</td>
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<td>1.04</td>
</tr>
<tr>
<td>misc. retouched/utilised flakes</td>
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<td>2</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td>2.08</td>
</tr>
<tr>
<td>whetstone</td>
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<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>tested pebbles</td>
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<td>7.29</td>
</tr>
<tr>
<td>chips</td>
<td>5</td>
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<td>natural fine grained pebbles</td>
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<td></td>
<td></td>
<td>2.08</td>
</tr>
<tr>
<td>TOTAL</td>
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<td>11</td>
<td>15</td>
<td>16</td>
<td>2</td>
<td>3</td>
<td>15</td>
<td></td>
<td></td>
<td>99.94</td>
</tr>
</tbody>
</table>

Table 15: Material Recovered from Field 22
Technology

The lack of debitage makes any detailed assessment of technological processes difficult, however it could be suggested that the overwhelming number of diffuse bulbs of percussion present on struck pieces indicates a preference for soft hammer flaking techniques. The presence of tested pebbles in this collection (seven examples) may attest to the way in which raw materials were collected and curated in prehistory.

Of the four recorded cores one (F22 Cat. No. 1) has two opposed striking platforms and was utilised in the production of flakes rather than blades, (Cat.65) is a keeled core with flakes removed alternatively down both sides of the keel. Additional Cats. 5 and 6 are again flake cores. None of these is chronologically diagnostic.

Scrapers

Two were recorded (F22, Cat. Nos. 56 and 85) and both are broken and chronologically undiagnostic.

Borers

Two examples were recorded (F22, Cat. Nos. 47 and 77) and neither is chronologically diagnostic.

Whetstone

One example, (F22, Cat. No. 67) was recorded and clearly post dates the Neolithic period.

Field 50

Table 3 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT</th>
<th>BROKEN</th>
<th>COMP.</th>
<th>PL</th>
<th>CRUSHED</th>
<th>CORT</th>
<th>FAC</th>
<th>PRON.</th>
<th>DIFF</th>
<th>%TOT Finds</th>
</tr>
</thead>
<tbody>
<tr>
<td>secondary flake</td>
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<td>1</td>
<td>4</td>
</tr>
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<td>scraper</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>serrated flakes</td>
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<td>1</td>
<td>1</td>
</tr>
<tr>
<td>blade/flake segments</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>blade segments – retouched/utilised</td>
<td>2</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>bladelets</td>
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<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>chunks</td>
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<td>6</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Table 16: Material Recovered from Field 50
Technology

No cores were recorded, but the presence of both pronounced and diffuse bulbs of percussion would indicate the utilisation of both hard and soft hammer percussion.

Scrapers

Three were recorded (F50, Cat. Nos. 1, 2 and 3), and of these Nos. 1 and 3 are broken. No. 2 is retouched at the distal and on both edges. All three could be of Mesolithic - Neolithic/Bronze Age date.

Serrated Blades

The two recorded examples (Cat. Nos. 9 and 15) are not chronologically diagnostic.

Blade/Flake Segments/Bladelets

The four recorded Blade/Flake Segments (Cat. Nos. 6, 14, 20 and 30) (two of which, 14 and 30, are retouched) could be of Later Mesolithic date, as could the two bladelets (Cat. Nos. 19 and 22).

4. Chronological Overview

In terms of broad dating, the lithic material from the test pitting and excavation is not chronologically diagnostic. Any of the finds made could span the whole of the prehistoric period.

Surface lithic scatter assemblages in general are typically characterised by their lack of dating control with usually only a small fraction of the material collected being chronologically diagnostic. This is certainly the case with the material under study. The few artefacts that are chronologically diagnostic can only usually be ascribed to periods such as ‘Mesolithic’ or ‘Neolithic’ and, as is the case with the Flodden material, the chronology of lithic scatter assemblages is usually very coarse-grained. Most field-walking collections tend to have been accumulated over a long time period as a result of multiple human activities in what may have been a preferred settlement/activity location.

That said, on balance, it would seem that the material from Field 1 (with the exception of the retouched knife) is, on typological grounds, likely to be broadly Later Mesolithic in date. The material from Field 2 also has a Later Mesolithic element (microlith and core types) but two plano-convex flint knives of likely Late Neolithic/Early Bronze Age date were also recorded. By the same token the lithic material from Fields 3, 4, 5, 7, 8, 14, 16/17, 22 and 50 could also fit into Later Mesolithic-Bronze Age contexts.

From a landscape perspective the material from the Flodden area is further confirmation of the ‘busy’ nature of the prehistoric landscape in the Borders area. As such, the results of this survey complement the survey work carried out by the Biggar Archaeology Group to the west and north of the current study area, survey in the Tweed Valley (Mulholland, 1970), Coquetdale (Pedersen n.d.) the Till-Tweed Area (Waddington, 2005), the Milfield Basin, (Waddington, 2000) the Bolam and Shaftoe area (Waddington and Davies, Davies, 2004), North Tynedale (Tolan Smith, 1997) and further south in County Durham, Young et al.1989, Haselgrove et al., 1992, Young (1987).
5. References


Pedersen, K. n.d. ‘A Description and Analysis of the Lithic Material from the Coquetdale Community Archaeology’s Group Fieldwalking Campaign, 2005 2007’.


FLODDEN 500 - The Lithic Catalogue

This catalogue describes lithic material recovered from both field-walking and the test-pitting and excavation work carried out under the aegis of the Flodden 500 project. The material recovered from test pitting and excavation is dealt with first. In the discussion, each field surveyed is dealt with separately. All dimensions are in mm unless otherwise stated.

[NB: FF = Flodden Field site code. FF12 is in Field 19 and FF13 in Field 15]

**Flodden 500, FF12, Test Pits**

1) TR1 'underside of topsoil'
Bulbar end of a grey, mottled secondary flint flake, broken transversely at distal end. Plain butt, pronounced bulb and small bulbar scar. Retains hard grey/white pebble cortex on right edge, dorsal face. Max dimensions 10 x 9 x 3.

2) TP6 Small Find 4
Dark grey/black smoothed and rounded NATURAL pebble. Stone type unidentified Weight: 13gms

3) TP8 Context 4 Small Find 24
Burnt, spalled and whitened ? secondary flint flake, retaining a patch of grey, smoothed, pebble cortex on dorsal face. Large pot lid spall on dorsal face. Very large pot lid spall on bulbar face. Possible inverse retouch on right edge. Max dimensions: 17 x 17 x 3.

4) TP8 Context 4 Small Find 25
Dark grey inner flint flake. Large hinge fracture at distal end. Dihedral butt, pronounced bulb and bulbar scar. Max dimensions: 18 x 16 x 5.

5) TP8 Small Find 28/29
Large, grey/white, quartzite chunk. Edges sharp and fresh. Weight: 56gms. NATURAL.

6) Test Pit 9 Context 1
Irregular, fawn/grey, fine grained quartz fragment ? Natural. Weight 2gms.

7) TP 9
? Flake segment, grey/white, fine grained quartzite. ? Broken transversely at both ends. Maximum dimensions 16 x 22 x 3.

8) TP 9
Rounded pebble. Fine grained grey/black rock, type undetermined. Weight 7gms. NATURAL.

9) Trench 17
Light grey fragment from a BI-POLAR CORE showing opposed directional flaking. Both bladelet and flake scars are visible DRAW. Maximum dimensions: 21 x 15 x 5. Weight: 2gms.

10) Trench 17
Burnt grey/white secondary flake retaining buff/white chalky cortex on dorsal face. Diffuse bulb, cortical butt. Maximum dimensions: 20 x 23 x 5.

11) Trench 17
Irregular, grey/white quartzite chip. Maximum dimensions: 18 x 17 x 5

12) Test Pit 22
Grey quartz inner flint chip Maximum dimensions: 12 x 8 x 5.

13) TP 22 Context 42 Small Find 21
14) TP 29 Layer 1
Distal end of light grey/white mottled inner flint flake. Broken transversely at bulbar end. Maximum dimensions: 18 x 19 x 4.

15) TP 30 Small Find 26
Milky white/orange brown quartz/chalcedony pebble. Weight: 3 gms.

16) TP 30
Milky white, angular fragment of quartz/chalcedony Weight: 1gm

17) TP 30 Context 1
Angular, abraded, chert nodule. Maximum dimensions: 36 x 28 x 17. Weight: 21gms. NATURAL

18) TP 30
Milky white/grey quartz nodule. One flake removed Maximum dimensions: 36 x 26 x 13. Weight: 36 x 26 x 13.

19) TP 30
Milky white/grey quartz fragment from larger nodule. Maximum dimensions: 27 x 12 x 11.

20) TP 31 Small Find 24
Irregular shattered fragment from dark grey core. Flake scars visible on at least 3 faces. Maximum dimensions: 24 x 17 x 11. Weight 4gms

Flodden 500, FF13 - Finds from Excavations

1) Topsoil (general) FF13

3) FF13 88745 36935
Large squared, thick END SCRAPER across the bulbar end of a red/brown/fawn inner flake. Steeply retouched at distal end and finer retouch along both edges. Broken transversely at the distal end. Angle of retouch at distal end 60 degrees. Maximum Dimensions: 32 x 32 x 12.

4) Trench 2 FF13 Context 3

5) Trench 4 FF13 Context 12 Small Find 3
Fawn grey SCRAPER on distal end of broken inner flint flake. Broken at bulbar end. Fracture is markedly curved. Steeply retouched at distal end and on both sides. Angle of retouch at distal end 80 degrees. Maximum dimensions: 22 x 24 x 8.

6) FF13 TR 6 Context 15
Light grey chert blade segment, snapped transversely at both ends. Two parallel blade scars survive on dorsal face. Both edges are sharp and fresh and show evidence for utilisation. Maximum dimensions: 30mm x 13mm x 5mm.

7) FF13 TR 8 Context 1 Top/Plough
Irregular shattered fawn grey inner flint flake – bulbar end of a larger piece. Incipient grey re-cortication on bulbar face. Maximum dimensions: 24 x 17 x 5.

8) FF13 TR 8 Context 1 Top/Plough
Irregular grey inner flint chip.

9) FF13 TR 8 Context 1 Top/Plough
Large, red-brown inner flint blade-like flake, broken obliquely at the bulbar end. Retouched/utilised on both edges. Inverse retouch on left edge and across distal end. Maximum dimensions: 37 x 17 x 9.
FIELDWALKING

FH/09 Field 1

AA
1) Bulbar end of a clacined, white, inner, flint flake. Plain butt, pronounced bulb. Broken transversely at the distal end. Maximum dimensions: 18 x 16 x 4.

2) Multi-platformed, grey, flint CORE. Flakes removed from at least 3 directions. Exhibits incipient white re-cortication. Also retains some smoothed, hard, white, pebble cortex and a deep circular indented fault. Weight: 30gms Maximum dimensions: 32 x 29 x 28. DRAW


4) Irregular grey, inner, flint chip.

AO
5) Grey fawn flint core. Flakes removed from 2 directions on one face. Hinge fracture visible on struck face. Weight: 32gms. Maximum dimensions: 44 x 33 x 20. DRAW

6) Large, heavy, grey/fawn flint, plano-convex, secondary flake. Thick, plain butt, diffuse bulb and bulbar scar. Battered ridges with several flakes removed on dorsal face. Maximum dimensions: 60 x 34 x 24.


OF
10) Fawn flint pebble – some plough damage but no evidence for manual flaking. Weight: 45gms. Maximum dimensions: 50 x 30 x 30. NATURAL

WEST NOGGIN K
11) Red/brown inner flint blade like flake, broken obliquely at the bulbar end and transversely at the distal end. Notched on both edges, probably from plough damage Maximum dimensions: 42 x 26 x 7.

F1 NO STINT NUMBER
12) Fawn grey cherty flint inner BLADELET. Broken transversely at the bulbar end. Both edges show evidence for utilisation. Maximum dimensions: 21 x 12 x 5. DRAW

13) Possible SCRAPER on a grey mottled inner flint flake with incipient white recortication. Plain butt, diffuse bulb. Maximum dimensions: 26 x 26 x 10. DRAW

14) Grey/brown flint chunk. Irregularly shattered, possibly from a larger core.

F1 4? NOT PLOTTED
15) Large fawn grey mottled primary flake, exhibiting grey, fawn, smoothed pebble cortex on dorsal face. Smooth hinge fracture at the distal end. Broken transversely at bulbar end.

16) Light grey flint BLADELET, broken transversely at bulbar end. Hinge fracture at distal end. Notched on right edge possibly from plough damage. Maximum dimensions: 16 x 9 x 4.

17) Light grey flint BLADELET on a secondary removal, etaining hard, pitted smooth grey pebble cortex on left edge, dorsal face. Plain butt, diffuse bulb. Maximum dimensions: 20 x 8 x 4.
18) Irregular milky white agate chunk. Weight: 6 gms. NATURAL.

19) Grey mottled flint, inner blade-like flake. Broken transversely at bulbar end and irregularly at distal end. Slight plough damage on left edge, dorsal face at bulbar end. Some evidence for possible UTILISATION/USE on dorsal face, right edge at bulbar end. Maximum dimensions: 31 x 16 x 6.

20) Side and END SCRAPER on a roughly circular grey flint secondary flake. Retains soft white chalky cortex on bulbar end of piece. Maximum dimensions: 29 x 27 x 12.


22) Grey mottled inner flint BLADE SEGMENT. Broken transversely at both ends. Maximum dimensions: 18 x 11 x 4.

23) SCRAPER on a totally white re-corticated inner flake. Plain butt, diffuse bulb. Retouched around distal end. Maximum dimensions: 18 x 15 x 7.


25) Shattered chunk of finely banded agate, retaining patch of hard outer cortex on one face. Weight: 11gms. NATURAL.

26) Shattered chunk of fawn glossy flint. Broken from a larger piece. One hinge fracture visible on one face. Weight: 3gms.

27) Grey mottled flint chunk, shattered from a larger piece. Some possible flake scars visible and the piece also exhibits some crazing and incipient white re-cortication. Possibly burnt. Weight: 1gm


29) Fawn grey mottled secondary flake, retaining soft white chalky cortex on dorsal face. Broken transversely at the bulbar end. Possible evidence for UTILISATION on distal tip, right edge. Maximum dimensions: 47 x 19 x 8.

30) Mottled grey secondary plunging, flint flake, possibly from core trimming. Struck from platform to remove apex of core. Plain butt, diffuse bulb with a patch of hard, smooth, pebble cortex on the dorsal face at the distal end. Maximum dimensions: 36 x 14 x 9.

31) Bulbar end of fawn pink cherty inner flint flake, broken transversely at the distal end. Plain butt, diffuse bulb. Maximum dimensions: 16 x 20 x 5.

32) Fawn grey flint, single platform CORE, worked part way around the circumference, with marked keel opposing the striking platform. Retains hard, off white, chalky pebble cortex and exhibits several faults and hollows within the body of the flint. Hinge fracturing visible on worked face. Flakes struck from at least two directions. Weight: 31gms. Maximum dimensions: 43 x 36 x 23.

33) Dark grey inner flint BLADELET. Plain butt, diffuse bulb. Some small notches on both edges caused by plough damage. Maximum dimensions: 23 x 9 x 3.

14E
35) Distal end of a grey, thick, inner flint flake. Broken transversely at the bulbar end.
37) Distal end of a light grey inner BLADELET. Broken transversely at the bulbar end. Maximum dimensions: 10 x 5 x 2.
38) Burnt and irregularly shattered, white crackled inner flake fragment.

14F

1J
40) Side and END SCRAPER come knife on a dark grey mottled secondary flint flake. Retains patch of soft chalky cortex on dorsal face. Thin crushed striking platform, pronounced bulb. Retouched/utilised on right edge dorsal face and across bulbar end, dorsal face. Maximum dimensions: 40 x 27 x 11. DRAW.
41) Small pink/white banded, agate chunk with patchy, grey, chattered, pebble cortex. Weight: 2gms.

5J

6J
43) Grey/red banded chert fragment. Irregularly shattered ? NATURAL.

13J
45) Fawn/brown mottled inner flint flake. Cortical butt, pronounced bulb. Retouched notch on left edge and further retouch on this edge Notched Flake – notch width c. 10mm wide. Maximum dimensions: 35 x 27 x 6. DRAW.

5L
46) Dark grey/brown flint CORE. flakes removed from at least 3 directions. One clear striking platform and one prominent keel. Small hinge fractures visible on all worked faces. Weight: 13gms. Maximum dimensions: 31 x 24 x 17. DRAW

8M

6N
48) Black pitchstone chunk. Some scale-like flaking on one faceand red/brown inclusions, with grey/fawn pebble cortex/outer pebble skin. Maximum dimensions: 30 x 32 x 16.

7N
49) Red/brown, UTILISED, inner flint flake. Broken transversely at the bulbar end. Retains a small patch of off white pebble cortex at distal end, dorsal face. Utilised on both edges. Maximum dimensions: 40 x 12 x 6. DRAW
50) Red/brown banded chert chunk, with a small patch of smooth red-brown outer nodule skin and some quartz-like inclusions in the body of the piece. Weight: 5gms. Maximum dimensions: 20 x 18 x 14. NATURAL.
51) Light grey/white inner flint flake/blade segment. Retains hard white pebble cortex on dorsal face at the distal end. Broken obliquely at bulbar end and transversely at distal end. Maximum dimensions: 18 x 16 x 7.


53) Irregular red/brown/milky grey banded agate chunk. Weight: 2 gms. NATURAL.


55) Heavy, thick, bulbar end of a re-corticated white, secondary flint flake. Retains hard, fawn smoothed pebble cortex on left edge dorsal face. Cortical butt, diffuse bulb. Snapped transversely at distal end. Maximum dimensions: 30 x 224 x 10.

56) Totally white, re-corticated, heavy, inner flint flake, struck from a blade core. 3 parallel blade scars run down the full extent of the flake on the dorsal face. Broken transversely at the distal end to reveal original grey/brown flint colour beneath the re-cortication which is less than 1mm thick. Plain butt, pronounced bulb and bulbar scar. Bulbar end, dorsal face, is abraded with very small hinge fractures. Maximum dimensions: 32 x 18 x 8.

57) Calcined white, UTILISED, blade segment. Crackled and irregularly shattered at the bulbar end and broken transversely at the distal end. Some small serrations visible on left edge. Maximum dimensions: 15 x 13 x 4.

58) Brown/grey secondary, UTILISED, blade segment. Retains a patch of hard, grey, pebble cortex on right edge, dorsal face at distal end. Broken irregularly and obliquely at bulbar end and transversely at the distal end. One large parallel flake scar visible on dorsal face. Evidence for utilisation in the form of small serrations on left edge. Maximum dimensions: 22 x 18 x 5.


60) Irregular red/brown flint chip.


62) Calcined white, inner, blade segment. Crackled and spalled on both faces. Broken irregularly and transversely at both ends. Maximum dimensions: 16 x 11 x 4

63) Small, fawn grey, RETOUCHEd inner flint flake. Hinge fracture at distal end. Retouched on left edge, dorsal face. Plain butt, diffuse bulb. Maximum dimensions: 12 x 8 x 2. DRAW

64) Secondary flake, exhibiting incipient grey/white re-cortication. Broken transversely at the bulbar end. Retains grey/fawn, smoothed pebble cortex on dorsal face at distal end, right edge. Re-cortication c. 1mm thick. Original grey/brown flint colour visible at the fracture. Maximum dimensions: 22 x 15 x 4.
14S
65) Angular, shattered, fawn grey/brown flint CORE. Flakes removed from at least 3 directions. Some hinge fractures visible on the worked surface. Partially re-corticated. Weight: 13gms. Maximum dimensions: 26 x 24 x 25. DRAW

66) Thick, grey, banded, inner chert flake. Large, plain butt, diffuse bulb. Some edge damage from ploughing. Maximum dimensions: 26 x 15 x 8

67) Small grey white inner flint flake, some battering on dorsal ridge. Plain butt, diffuse bulb. Maximum dimensions: 13 x 8 x 4.

68) Banded pink/red/white/grey agate chunk. Quartzy cortex on two surfaces. Weight: 5gms. NATURAL

6S
69) Calcined white inner flint blade segment. BROKEN MICROLITH. Broken at bulbar end, small transverse fracture at distal end. Steep abrupt retouch on right edge. Maximum dimensions: 13 x 7 x 2 DRAW.

14T
70) Re-corticated white flint chunk from a shattered pebble. Retains hard pitted yellow/fawn pitted pebble cortex. This may be a heavy flake from splitting a pebble. Possible plain butt and massive, pronounced bulb. Plough damage on both edges to reveal grey original flint colour. Maximum dimensions: 43 x 38 x 19.

71) Fawn brown inner flint flake, exhibiting incipient grey/white re-cortication on both dorsal and bulbar faces. Plain butt, diffuse bulb. Hinge fracture visible on dorsal face. Maximum dimensions: 23 x 15 x 5.

13U
72) Large, dark, coarse, heavily faulted, grey/pink/brown/off-white, agate, flake and blade CORE. One large striking platform, flakes removed part way around the circumference. Hinge fracturing visible on worked face. Weight: 110gms. Maximum dimensions: 57 x 45 x 37. DRAW.

14U
73) Ochrous grey flint chip.

74) Fawn brown mottled, utilised, inner flint flake, broken transversely at distal end. Plain butt, diffuse bulb and bulbar scar. UTILISED on right edge and some notching from plough damage at bulbar end on dorsal face. Parallel flake removals visible on dorsal face. ?from blade core. Maximum dimensions: 28 x 20 x 5.

7V
75) Small dark grey flint blade segment, broken transversely at both ends. Notching on right edge from plough damage. Maximum dimensions: 12 x 9 x 3.

76) Grey/white angular flint fragment shattered from a larger core. One flake removal visible with hinge fracture. Weight 49gms Maximum dimensions: 20 x 15 x 18

9V
77) Distal end of a red/brown inner flint flake, broken transversely at the bulbar end. Hinge fracture at distal end. Maximum dimensions: 26 x 10 x 5

78) Small pink/red/brown banded agate chip with outer nodule surface on dorsal face. Maximum dimensions: 11 x 12 x 6. NATURAL.

14V
79) Angular, coarse red/cream white/grey/purple and yellow banded agate CORE. Flakes removed from at least three directions and slight hinge fracturing visible on worked surfaces. Weight: 57 gms. Maximum dimensions: 50 x 31 x 25. DRAW
80) Very small calcined white flint chip.

81) Distal end of a dark grey mottled inner chert fragment. Maximum dimensions: 18 x 18 x 7.

82) **END SCRAPER** on the distal end of a totally white, re-corticated/calcined inner flint blade/flake. Steeply retouched around distal end, broken transversely at the bulbar. Re-cortication across the break. Maximum dimensions: 18 x 14 x 4. **DRAW**

83) Irregular fragment of pink/off white banded agate. **NATURAL**.

84) **TESTED PEBBLE** – a dark grey flint pebble fragment split from a larger piece with one flat exposed surface. All other surfaces rolled and rounded with some hard pitted fawn pebble cortex. Some small flakes removed by plough damage. Weight: 34 gms. Maximum dimensions: 46 x 30 x 23.

85) Small, single platform **CORE** on a fragment from a rounded grey flint pebble. Retains smooth pebble outer skin on un-worked surfaces. At least 7 flake removals from worked face, with some hinge fracturing visible Weight: 14gms. Maximum dimensions: 30 x 32 x 15. **DRAW**


87) Dark grey, mottled inner flint **BLADE SEGMENT**. Broken transversely at both ends. Single ridge on dorsal face. Maximum dimensions: 21 x 15 x 4.


89) Totally re-corticated white inner flint chip.

90) Light grey mottled inner flint **FLAKE SEGMENT**. Broken transversely at the distal end. Some possible **SERRATIONS** on left edge bulbar end. Maximum dimensions: 29 x 17 x 4.

91) Irregular fragment of grey/brown red banded agate. **NATURAL**.


93) Distal end of a grey flint inner flake. Broken transversely at bulbar end. Maximum dimensions: 12 x 12 x 6.

94) Totally white re-corticated **BLADE SEGMENT**, broken transversely at bulbar end. Small hinge fracture at distal end. Maximum dimensions: 16 x 13 x 3.

95) Light grey inner **FLAKE SEGMENT**, broken transversely at bulbar end and obliquely at distal end. Exhibits incipient white re-cortication on all surfaces. Maximum dimensions: 20 x 10 x 2.

96) Bulbar end of calcined inner flake. Plain butt, diffuse bulb. Broken transversely at distal end. One pot lid spall removed from dorsal face. Maximum dimensions: 11 x 11 x 3.

97) Light grey, secondary **FLAKE SEGMENT**, exhibiting hard, off-white smoothed pebble cortex on dorsal face. Broken obliquely at bulbar end and transversely at the distal end. Maximum dimensions: 17 x 14 x 7.

98) Red/brown secondary flake from **CORE TRIMMING/REJUVENATION**. Facetted butt, pronounced bulb. Struck to remove edge of striking platform. Flakes removed on dorsal face at 90 degrees to the dorsal ridge. Retains small patch of grey brown cortex on the dorsal face at the distal end. Maximum dimensions: 18 x 9 x 7.

99) White calcined flint chip, very crackled and crazed. Retains a patch of white/fawn cortex on one edge. Maximum dimensions: 16 x 11 x 7.
100) Totally white re-corticated secondary flake. Fawn/brown cortex on right edge, dorsal face. Plain butt, pronounced bulb. Maximum dimensions: 15 x 12 x 4.


102) Irregularly shattered grey mottled flint fragment with off-white inclusions and some incipient white re-cortication. Maximum dimensions: 30 x 12 x 11.

8W
103) Totally white re-corticated DISC SCRAPER on an inner flint flake. Steeply retouched around total circumference. Plain butt, diffuse bulb Maximum dimensions: 23 x 26 x 10. DRAW

104) Bulbar end of dark grey inner BLADE. Broken transversely at distal end. Plain butt pronounced bulb. Maximum dimensions: 10 x 10 x 3.

105) Dark grey inner flint BLADE SEGMENT. Broken transversely at both ends. Maximum dimensions: 10 x 12 x 5.

1X
106) Inner light grey banded chert flake. Plain butt, diffuse bulb and bulbar scar. UTILISED on both edges and notched at distal end. Notching caused by plough damage. Maximum dimensions: 44 x 20 x 10. DRAW.

3X
107) Bulbar end of grey mottled inner flint flake. Broken transversely at distal end. Plain butt, pronounced bulb and bulbar scar. Exhibits some incipient re-cortication. Maximum dimensions: 12 x 19 x 5.

6X


112) Irregular grey, inner, flake fragment. Maximum dimensions: 21 x 15 x 5.


114) Light grey inner flake from CORE TRIMMING/REJUVENATION. Plain butt, diffuse bulb. Struck from apex to remove base (part of striking platform). Fine hinge fracturing visible on worked dorsal face. Maximum dimensions: 17 x 14 x 7. DRAW

116) Irregular grey/brown flint chip.


8W (Additional)
118) Totally white re-corticated, inner blade-like flake. Notched on left edge before re-cortication. Broken transversely at bulbar end to reveal interior grey flint. Other edges abraded with small notches and nicks again from plough damage, but again before re-cortication. Maximum dimensions: 28 x 10 x 3.

120) Totally white re-corticated primary flake. Plain butt, pronounced bulb. Maximum dimensions: 12 x 14 x 3.


7X
122) Light grey/white quartzy flint single platform CORE. 3 parallel flake scars on worked face. Weight: 7gms Maximum dimensions: 28 x 21 x 13 DRAW.

8X
123) SIDE AND END SCRAPER on a grey, mottled, inner flint flake. Thick plain butt, pronounced bulb. Steeply retouched on right edge and at distal end. Maximum dimensions: 26 x 23 x 8. DRAW. 9X

10X
125) Totally white, re-corticated, UTILISED inner blade-like flake. Broken transversely at both ends to reveal original grey nature of the flint. UTILISED on left edge. Maximum dimensions: 26 x 12 x 5. DRAW.

14X
126) Grey/fawn inner flint flake, notched at distal end. Thick plain butt, pronounced bulb. Slight notches and nicks on both edges from plough damage. Maximum dimensions: 20 x 15 x 4.

3Y

5Y
128) Grey/brown inner flint flake. Plain butt, diffuse bulb. Thick hinge fracture at the distal end. RETOUCCHED on right edge, dorsal face. From a core with 2 directional flaking. Flake scar on dorsal face, struck from distal end. Maximum dimensions: 18 x 9 x 4. DRAW
129) END SCRAPER on the distal end of a light brown flint flake. Broken transversely at the bulbbar end. Retouched at distal end Maximum dimensions: 15 x 21 x 3. DRAW.
130) Light brown mottled BLADE/FLAKE SEGMENT. Broken transversely at bulbbar and irregularly at the distal end. Maximum dimensions: 9 x 11 x 4.
131) Possible CORE on large, quartz, crystal. Clear flake scars on surfaces from bi-directional flaking and bi-polar working. Weight: 6gms Maximum dimensions: 26 x 14 x 13. DRAW
132) Quartz Crystal – possible CORE. Some clear, bi-directional flaking, from bi-polar knapping, visible. Weight: 6gms. Maximum dimensions: 26 x 14 x 13. DRAW

6Y
133) Light brown mottled flint segment, broken transversely at distal end and also at bulbbar end. Possible blade from a bi-directional core. Flake scars on dorsal face exhibit hinge fracturing – struck from bulbbar end. Both egdes lightly SERRATED ? from UTILISATION. Maximum dimensions: 23 x 13 x 4.
135) Grey/white calcined flint chip
136) Bulbar end of small grey flint BLADELET. Detached transversely at the distal end. Small, plain butt, pronounced, precise bulb. Exhibits incipient re-cortication. Maximum dimensions: 8 x 7 x 2.
137) Shiny grey inner chert flake. Small plain butt and diffuse bulb. Maximum dimensions: 17 x 15 x 5.
7Y
139) Mottled grey/white secondary flint BLADE SEGMENT. Broken transversely at both ends. Hard grey
smoothed pebble cortex on dorsal face, left edge. Maximum dimensions: 9 x 9 x 2.

8Y
140) Battered, blocky, rounded and smoothed banded agate pebble. Weight: 6gms Maximum dimensions:
21 x 18 x 11. NATURAL

12Y
141) Pink/white banded agate chip. Maximum dimensions; 12 x 8 x 4.

14Y
142) Distal end of cherty grey secondary flint flake. Small patch of INVERSE RETOUCH on right edge,
dorsal face. Left edge dorsal face retains light grey rounded pebble cortex. Broken transversely at the bulbar
end. Maximum dimensions: 20 x 19 x 8.
143) Totally white re-corticated flint chip

10Z
144) Distal end of a grey inner flint flake, broken transversely at bulbar end. Totally white /grey re-
corticated. Broken transversely at bulbar end to reveal interior grey flint. Maximum dimensions: 11 x 14 x 4.

14Z
145) Irregularly shattered distal end of grey mottled secondary flake. Retains a patch of smoothed white

10Z
146) Red/brown/grey, quartz, banded agate chunk. Pot lid fractures from freeze thaw action on all faces.
Retains patch of quartz cortex. Weight: 25gms. Maximum dimensions: 37 x 34 x 22

Additional Lithics Field 1 – 2nd Catalogue

3A
1) Dark grey secondary chert flake. Plain butt, pronounced bulb. Retains hard smoothed fawn/grey pebble
cortex on left edge dorsal face. Max. Dimensions: 14 x 10 x 4.

8A
2) Grey/white flint chunk retaining much crackling on one surface ? Burnt. Weight: 2 gms. Max.
Dimensions: 17 x 15 x 6.

7J
3) Irregular, mottled, dark brown inner flint flake? From large core. Dorsal face exhibits large parallel sided
flake scars from previous removals. All edges abraded ? from plough damage. Large, thick, plain striking
platform. Large bulb of percussion. Irregularly broken at distal end. Max. Dimensions: 31 x 52 x 11.

10M
4) Fawn grey primary flint flake. Plain butt, diffuse bulb. Dorsal face retains hard, smoothed, finely pitted,

8S
5) Irregular fawn/white flint chip.
FH/09 FLODDEN 500 FIELD 2

1B
1) Quartz MICROLITH - needle point. Retouched on right edge. Maximum dimensions: 14 x 5 x 3.

5B
2) Shattered banded agate pebble. Very angular, and retaining outer pebble skin on both ends. Very battered. Weight: 10gms. Maximum dimensions 33 x 15 x 17

6B

11B
4) Broken SCRAPER on a segment from a heavy, burnt and crackled, inner flint flake. Broken transversely at the bulbar end and irregularly and obliquely at the distal end. Steeply retouched on left edge dorsal face. Small hinge fractures visible in the retouch. Maximum dimensions: 24 x 33 x 7.

7C
5) Shattered fragment from a fawn/pink/white banded agate pebble, retaining orange brown outer pebble skin on one surface. Surfaces spalled by freeze thaw action. Pot-lid fractures visible on all surfaces. NATURAL

4D
6) Red/brown banded quartz agate TESTED pebble. Angular and battered with quartz inclusions at one end and on one face. 2 flakes removed from one face. Weight: 19gms. Maximum dimensions: 36 x 26 x 21.

10D
7) Banded white/grey/pink/brown banded agate chip. NATURAL

13E

9) Red/brown banded agate flake. Plain butt, diffuse bulb, with parallel flake scars on dorsal face. Maximum dimensions: 14 x 11 x 2

1F
10) Off white/grey/brown/pink banded agate chunk. NATURAL

4G

5G

7K
13) Purple/red/brown/grey banded agate chunk. Weight: 2 gms. NATURAL

8K
14) Shiny grey chert chip.

13K
16) Irregular, mottled grey, rounded secondary flake, retaining cream/fawn chalky cortex. Plain butt, diffuse bulb Irregular flake scars on dorsal face.

5H
17) Dark grey mottled PLANO-CONVEX flint knife on a secondary blade, retaining hard smooth grey pebble cortex on the dorsal face at the distal end. Steeply retouched across the distal end and snapped obliquely at the bulbar end. Elegant, scalar, flaking on right edge, dorsal face. Large flakes removed and smaller removed afterwards over these larger flakes. Left edge exhibits very fine retouch, almost serrated. Both edges remain fresh and sharp. Maximum dimensions: 56 x 18 x 7. DRAW

14G
18) Small, grey mottled PLANO-CONVEX flint knife on an inner blade-like flake. Invasive retouch across whole of dorsal face. Plain butt, pronounced bulb and bulbar scar. Very fine scalar retouch on both edges. Pointed distal end. Some very small hinge fracturing visible on right and left edges. Small flakes also removed on bulbar face on the left edge. Maximum dimensions: 39 x 18 x 6. DRAW

FH/09 FIELD 3
General Flint


6AA
2) Quartzite ?opposed platform CORE, flakes removed around whole circumference. Hard pitted cortex-like material on one end. Some slight hinge fracturing visible on worked surfaces. Weight: 12gms. Maximum dimensions: 23 x 23 x 16. DRAW

7AA
3) Light grey, mottled inner flint flake, broken transversely at the bulbar end. Very thick conchoidal fracture ripples on bulbar face. Some edge damage from ploughing. Maximum dimensions: 44 x 29 x 10.

7A
4) Orange/brown, finely banded agate pebble with creamy/grey outer surface at both ends. Trapezoidal, angular in shape, but smoothed and rounded. Weight: 8gms. Maximum dimensions: 23 x 21 x 10. NATURAL

Ø B

4B
6) Red/brown inner flint BLADELET. Broken transversely at distal end. Small plain butt, diffuse bulb. Very fresh. Edges sharp. Maximum dimensions: 20 x 11 x 4

6B
7) Irregular ? natural fragment of banded agate. NATURAL.

10B
8) Red/brown ? natural flint fragment. Rounded and heavily recorticated white. Some plough damage after re-cortication. NATURAL.

5C
9) White inner flint flake. Plain butt, diffuse bulb. RETOUCHED/UTILISED on left edge and around distal end. Possible END SCRAPER, struck from a single platform core. Maximum dimensions: 39 x 22 x 7. DRAW.
10) Grey/brown/pink/fawn/purple banded agate chunk with one parallel sided flake removed. **TESTED PEBBLE.** Weight: 11gms. Maximum dimensions: 30 x 18 x 14


13) Grey mottled, irregular primary flint flake detached from a rounded pebble. Cortical butt, pronounced bulb. ? struck to split a pebble and remove a rounded fault within the flint. Dorsal surface retains hard, grey/off white, chattered pebble cortex. Maximum dimensions: 52 x 44 x 11.

14) Banded off white/grey/fawn/purple/brown agate pebble. Outer grey pebble skin survives in places. Weight: 12gms. **NATURAL.**

15) Irregular chert fragment grey green. **NATURAL.**


17) Red/Brown agate fragment, retaining hard angular outer pebble skin. Weight: 4 gms. **NATURAL**

18) Distal end of a burnt secondary flake, broken transversely at bulbar end. Crackled and crazed, but retaining hard, off/white grey smoothed pebble cortex on dorsal face, left edge. Maximum dimensions: 12 x 13 x 4.

19) Red/brown banded quartzy agate pebble, weight: 9gms. **NATURAL**

20) White quartz crystal. Part of a **CORE** with at least 2 possible flake removals visible. Weight: 5gms. Maximum dimensions: 20 x 14 x 12.

21) Shiny red/brown agate fragment. **NATURAL.**

22) Red/brown banded inner quartz flake. Plain butt, diffuse bulb. Maximum dimensions: 18 x 14 x 8

23) Banded red/brown/pink/grey agate pebble. **NATURAL**

24) **NATURAL** white quartz crystal. Weight: 4gms.

25) Milky white, veined quartz pebble with hard angular blocky pebble surface. Weight: 18 gms. **NATURAL.**
26) Heavy, angular inner flint flake from pink flint core. Broken transversely at bulbar end and UTILISED on right edge, dorsal face. Maximum dimensions: 32 x 18 x 9.

27) Red/brown/grey/purple banded agate fragment. Weight: 3gms. NATURAL

28) Distal end of heavy angular mottled grey inner flint flake, exhibiting incipient gre/white re-cortication on all faces and across break. Hinge fracturing runs at 90 degrees to long axis of flake on dorsal face. Suggests core with multi-directional flaking. Maximum dimensions: 37 x 27 x 9.

29) Red/brown, rolled, quartz pebble. Weight: 13 gms. NATURAL.

30) Quartz pebble with milky white inclusions. Weight: 6gms. Maximum dimensions: 22 x 21 x 12. NATURAL


32) Mottled grey secondary flake. Retains hard smoothed off-white/grey pebble cortex on the bulbar end, dorsal face. Cortical butt, pronounced bulb. Heavy conchoidal fracture lines on bulbar face. Broken obliquely on a section of the distal end. RETOUCHEd on right edge and onto the distal end. Possible SIDE and END SCRAPER

**FH/09 FIELD 4**

1) END SCRAPER on the distal end of a grey, mottled, inner, flint flake. Thick plain butt, pronounced bulb and bulbar scar. Flint has grey/white chery inclusions on dorsal face. Edge damage/UTILISATION on both edges. Steep retouch at distal end. Angle of retouch 68 degrees. Maximum dimensions: 36 x 34 x 9.

2) Red/brown/grey banded agate pebble. Possibly shattered manually to open up the chunk. Several edges are fresh and sharp, while others are bashed and rounded. Weight: 60gms. Maximum dimensions: 60 x 34 x 32.

3) Heavy red brown flint flake/chunk from CORE TRIMMING/CORE REJUVENATION. Some possible RETOUCH on one edge and flakes removed at distal end. Removed by striking at 90 degrees to the main flake axis. Maximum dimensions: 37 x 18 x 12. DRAW.


8) Red/brown agate chunk with hard grey/brown outer pebble skin on 2 surfaces. Weight: 8gms. Maximum dimensions: 26 x 22 x 9. NATURAL

9) Brown pebble flint chunk with hard pink/brown/off-white pebble cortex on 2 faces. Weight: 8gms. Maximum dimensions: 19 x 11 x 8. NATURAL

10) Totally white re-corticated flint chunk. Weight: 1gm. Maximum dimensions: 19 x 11 x 8. NATURAL

11) Red/brown/grey/white banded agate chunk. Weight: 1gm. Maximum dimensions: 15 x 16 x 7. NATURAL

12) Quartzy, grey white inner flake. Plain butt, diffuse bulb. Maximum dimensions: 34 x 30 x 12.

13) Translucent grey/white quartz inner flint flake. Irregularly shattered at the distal end. Plain butt, diffuse bulb. Some white, milky re-cortication on platform, bulbar end. Maximum dimensions: 21 x 19 x 6.

14) Pink/white agate chunk. Blocky outer pebble surface survives on 2 areas. Weight: 7gms. Maximum dimensions: 24 x 21 x 10 NATURAL

15) Grey/white banded quartzite chunk. Hard white inclusions/outer pebble skin visible. Weight: 4 gms Maximum dimensions: 18 x 15 x 13. NATURAL

16) Red/brown banded agate chunk. Grey brown external pebble cortex visible in places over 75% of the surface.. Weight: 15gms. Maximum dimensions: 34 x 23 x 17. NATURAL


18) Red/brown banded agate chunk. Hard white, smoothed cortex visible on two faces. Weight: 9gms. Maximum dimensions: 30 x 22 x 11. NATURAL

19) Distal end of light grey inner flint flake. Snap fracture at bulbar end and broken transversely at the distal end. Evidence for UTILISATION on left edge, dorsal face. Maximum dimensions: 18 x 13 x10. DRAW


6M

5N
23) Burnt white FLAKE SEGMENT. Broken transversely at the bulbar and distal ends. Spalled on dorsal face. Maximum dimensions: 18 x 18 x 3.

O1
24) Light grey, mottled, inner, BLADE-LIKE FLAKE. Snapped transversely at distal end. Plain butt, pronounced bulb and bulbar scar RETOUCHED/UTILISED on both edges. Maximum dimensions: 30 x 16 x 11. DRAW.

3/O

O/4

5O
27) Fine grained grey stone chunk. NATURAL.

3Q

5Q
29) Rounded purple/grey/pink/off-white banded agate pebble Weight: 8gms. Maximum dimensions: 20 x 18 x 14. NATURAL.

5R
30) Grey mottled inner flint flake. Plain butt, pronounced bulb. Dorsal face has one large transverse flake removal at distal end. Maximum dimensions: 20 x 17 x 5.

5S
31) Milky grey/white agate chip. NATURAL.

8S
32) Thick grey/white inner flint flake. 4 previous parallel sided blade-like removals on dorsal face. Broken transversely at the distal end. Thick plain butt and diffuse bulb. Edges damaged by ploughing. Maximum dimensions: 34 x 14 x 7.

FH/09 FIELD 5

13 A
1) Calcined white BLADE/FLAKE SEGMENT. Broken transversely at bulbar end and irregularly and obliquely at the distal end. Dorsal face exhibits one pot lid fracture. Maximum dimensions: 15 x 14 x 5.

15A
2) Grey/white inner flint flake from CORE TRIMMING/REJUVENATION. Struck to remove edge of striking platform. Plain butt, diffuse bulb. Right edge, dorsal face exhibits flake scars from flake removals at 90 degrees to long axis. Maximum dimensions: 31 x 18 x 10.
15AB
3) Shiny grey chert flake. Plain butt diffuse bulb broken transversely at the distal end. Dorsal face exhibits previous lake scars removed from 2 opposed directions. Maximum dimensions: 20 x 12 x 4.

16AA
4) CORE on shiny quartz chert chunk. Opposed platforms with small flakes removed and marked hinge fracturing on worked faces. Weight: 53 gms. Maximum dimensions: 43 x 39 x 25. DRAW

18AA
6) Light grey secondary flaked, plain butt, diffuse bulb. Hard fawn pebble cortex on left edge, dorsal face. Incipient white re-cortication on dorsal face. Maximum dimensions: 29 x 16 x 11.

17AB

15B
8) Mottled grey distal end of an inner flint flake, broken transversely at the distal end. Plain butt, diffuse bulb and bulbar scar. Maximum dimensions: 16 x 19 x 3.
9) Light grey Milky white inner BLADE-LIKE FLAKE, plain butt, pronounced bulb. Struck from core with opposed platforms. Right edge UTILISED and left edge exhibits small, irregular, removals and small notches ? from plough damage. Broken transversely at the distal end. DRAW
12) Distal end of calcined, white, inner flake. Broken transversely at the bulbar end. Maximum dimensions: 10 x 9 x 2.
13) Dark grey inner flint chip. Maximum dimensions: 15 x 9 x 3.
14) Calcined white, crackled, segment of inner flint flake. Shattered obliquely at bulbar end, and transversely at the distal end. Maximum dimensions: 18 x 12 x 6.

16B
16) Light grey mottled flint CORE with 2 opposed platforms. Worked part way around on both platforms. Un-worked face retains hard smoothed white, rolled, pebble cortex. Struck faces exhibit small removals with hinge fracturing. Weight: 20gms. Maximum dimensions: 30 x 30 x 17. DRAW.

15C

17C
18) Light grey mottled inner BLADE-LIKE FLAKE, broken transversely at the bulbar end. Edges sharp and fresh and UTILISED. Flake scars visible on dorsal face. White inclusions within flint body. Maximum dimensions: 30 x 21 x 4.

18C
4D

16D

1E
22) Shattered grey/white/red/brown banded agate fragment. Weight: 8gms. Maximum dimensions: 25 x 24 x 15. NATURAL

2E

18E

3F
25) Cube-like grey/off-white/brown/red/ banded agate nodule. Weight: 45gms. Maximum dimensions: 30 x 13 x 28. NATURAL

15F


16F
28) Angular, sub-rectangular, red/brown agate chunk. Hard brown/grey outer skin visible on two faces. Weight: 14 gms. Maximum dimensions: 35 x 19 x 15. NATURAL

2G
29) Milky grey/white inner BLADE-LIKE FLAKE. Hinge fracture at distal end and bulbar end detached obliquely. RETOUCHED/UTILISED on both edges. Flake scars on dorsal face with some hinge fracturing. Maximum dimensions: 36 x 16 x 6 DRAW.

15G
30) Distal end of small grey inner BLADE-LIKE FLAKE. Broken transversely at bulbar end. Maximum dimensions: 9 x 7 x 1.

17G
31) Grey mottled, thick, angular, inner flint flake. Plain butt, diffuse bulb and bulbar scar. RETOUCHED on left edge dorsal face to create point at distal end. BORER. Maximum dimensions: 30 x 18 x 14. DRAW.

1H

17H
33) Angular red/brown/grey quartz agate chunk. Retains hard pitted outer nodule skin on one face. Weight: 4gms. Maximum dimensions: 18 x 18 x 10. NATURAL
3I

18I
35) Milky white/grey banded quartz flint chunk. Natural spalling and flaking Weight: 74gms. maximum dimensions: 64 x 44 x 27. NATURAL

19I
36) Totally white re-corticated grey flint inner flake. Plain butt, pronounced bulb. Maximum dimensions: 19 x 24 x 6.

2J
37) Dark grey stone fragment. NATURAL

9J
40) Grey mottled flint inner BLADELET. Palin butt, diffuse bulb. Maximum dimensions: 12w x 16 x 1.

10J
41) Mottled grey inner BLADELET. Broken transversely at both ends. Both edges fresh. Maximum dimensions: 15 x 13 x 4.

13J
42) Red/brown/purple/white banded agate chunk. Weight: 6gms. NATURAL

17J
43) Milky grey/white flint opposed platform CORE, exhibiting parallel sided blade scars. Hinge fracturing visible midway down core from both platforms. Small patch of white chattered pebble skin on one surface. Weight: 13 gms. Maximum dimensions: 37 x 23 x 16. DRAW

19J
44) Red/brown quartz flake CORE. One end is all quartz crystal and the opposed face exhibits hard brown chattered outer skin. Opposed platforms show very thin hinge fractured scars on one face. Weight: 35gms. Maximum dimensions: 35 x 44 x 28. DRAW

3K
45) Milky white/red brown/dark grey/cream banded agate nodule. Hard, pitted, off-white nodular skin visible in patches on all surfaces. Weight: 22gms. NATURAL.

6L
46) Red/brown/pink banded agate nodule. Large white quartz crystal inclusions in the body of the nodule. Some chattered red/brown outer skin visible on some faces. Weight: 29gms. NATURAL.
48) Small, fragmentary bulbar end from a grey quartzy inner flint flake. Broken transversely at distal end. Plain butt, diffuse bulb. Maximum dimensions: 7 x 12 x 5.
4K
49) Fragment of white/pink/brown banded quartz agate nodule. Whit/grey quartz inclusions at one end. Patchy grey cortex on one face. Some hinge fracturing visible on one face. Weight: 1 gm. Maximum dimensions: 21 x 14 x 9.

6K
50) Secondary flake from a red/brown quartz core. Small patch of red/brown nodular skin on right edge at bulb end. Plain butt, diffuse bulb. Maximum dimensions: 16 x 8 x 5.

15M
51) Grey mottled BLADE-LIKE FLAKE. Plain butt, diffuse bulb. Broken transversely distal end. Edges sharp and fresh. Maximum dimensions: 15 x 11 x 4

52) Grey mottled secondary flint flake, shattered from core. Smooth milky white/grey nodular skin on dorsal face. Plain butt, diffuse bulb. RETOUCHED on distal end . Rough SCRAPER.

15N


5O
55) Angular grey flint chunk. Hard, smooth brown, pebble cortex on one face. Weight: 5gms. Maximum dimensions: 19 x 19 x 19. NATURAL

18O
56) Red/brown banded agate quartz agate nodule. Possible TESTED PEBBLE – one flake removed. Sparkling quartz, nodular, skin visible on one face. Weight: 36 gms. Maximum dimensions: 46 x 32 x 23.

2Q
57) Small, light grey/white banded quartz CORE. Single platform with flakes removed part of the way around circumference. Hard pitted grey cortex visible on striking platform. Weight: 6gms. Maximum dimensions: 31 x 21 x 11. DRAW

17R
58) Small brown flint CORE. 2 opposed platforms but flakes removed from at least 3 directions. Hinge fractures visible on worked surfaces. Weight: 5gms Maximum dimensions 23 x 18 x 10 DRAW

14S

18S
60) Milky white banded quartzite inner flake. Plain butt diffuse bulb RETOUCHED/UTILISED around distal end and both edges. Maximum dimensions: 22 x 13 x 4. DRAW.

19S
61) Large quartz grey flint nodule CORE. Flakes removed irregularly from at least 3 directions. Some smoothed creamy/off white outer pebble surface. Weight: 50gms. Maximum dimensions: 46 x 42 x 25. DRAW.

2W
62) Irregular white crackled/calcined , shattered, flint chip. Maximum dimensions: 17 x 13 x 6. NATURAL
4W

64) Rounded, purple/brown shattered agate pebble. One rounded outer surface on 75% OF THE PIECE. Maximum dimensions: 27 x 16 x 18. NATURAL

65) Irregular shattered red/brown angular quartzy agate nodule. Chattered and crackled outer skin visible on 3 faces. Weight: 16 gms. Maximum dimensions: 22 x 24 x 21. NATURAL

16G
66) Orange/brown quartz agate nodule. One face exhibits grey/off-white rock crystal quartz cortex. Very spalled, from freeze thaw action. Maximum dimensions: 37 x 30 x 24. NATURAL

FH/09 FIELD 7
Not Located
1) Natural grey/green chert nodule. Weight: 25gms. NATURAL
2) Grey/white quartz flint chunk. Weight: 11gms NATURAL
3) Red/brown quartzite nodule. Weight: 5gms. NATURAL

IAA
5) Grey/fawn quartz flint inner BLADE-LIKE FLAKE. Broken obliquely at bulbar end. UTILISED ON BOTH EDGES. Maximum dimensions: 30 x 18 x 7.

2AA
6) Milky grey/brown inner agate flake. Battered but plain butt, pronounced bulb and small bulbar scar. Thick hinge fracture at distal end. Maximum dimensions: 22 x 18 x 8

2AB
7) Grey/green secondary chert flake. Rounded cortical butt, diffuse bulb. Maximum dimensions: 24 x 20 x 7
8) Fragment from smoothed grey/white mottled soapy quartz flint chunk. Weight: 17gms. NATURAL
9) Grey/red/brown quartz flint chunk. Angular and fresh. Weight: 15gms. Maximum dimensions: 36 x 29 x 18. NATURAL

10) Red/brown secondary flint chip, retaining patch of fawn pebble cortex on one face.
11) Brown/grey/off-white agate chunk. Angular and fresh. Weight 7gms. NATURAL
12) Red/brown smoothed but angular grey/brown flint chunk. Fawn pitted, smoothed pebble cortex on one face. Weight: 5gms. NATURAL

4AB
13) Milky white fawn brown smooth quartzite lump. Weight: 3gms. Maximum dimensions: 23 x 14 x 10. NATURAL

0AD
1AE
15) Red/brown banded inner agate flake, milky white inclusion at bulbar end. Plain butt, diffuse bulb. Marked hinge fracture at distal end. Maximum dimensions: 16 x 16 x 5.

4AE
16) Milky white, thick, quartz agate flake with red/brown veining. Thick, plain butt, diffuse bulb. Some RETOUCH on both edges. Maximum dimensions: 32 x 18 x 6.

0AG

4AG

1AH
20) Angular grey/brown agate chunk. Very fresh. Weight: 6gms. NATURAL.
21) Red/brown quartz, angular agate chunk. Weight: 4gms. NATURAL.
22) Shattered pink/grey/red/fawn banded agate TESTED PEBBLE. One flake removed. Maximum dimensions: 56 x 24 x 11.
23) Inner flake of pink/red/brown/grey banded quartz agate. Broken transversely at bulbar end. Very sharp and fresh. UTILISED. Maximum dimensions: 40 x 25 x 8.

A1
24) Inner grey flint flake from CORE TRIMMING FLAKE struck parallel to the striking platform – CORE TABLET. Plain butt, pronounced bulb, broken transversely at distal end. Dorsal face is original striking platform. Flake scars visible around bulbar end and right edge. Platform edge abraded. Maximum dimensions: 19 x 20 x 7. DRAW.
25) Grey/white inner flint chunk, shattered from a larger piece. SCRAPER retouch on one edge. Maximum dimensions: 23 x 16 x 11.
26) White/grey inner quartzite flake / from bipolar working. Bi-polar flake scars on both faces. Maximum dimensions: 19 x 17 x 7
28) Small elongated oval fine grained grey NATURAL pebble. Weight: 52gms.
29) Flattened, grey, elongated, fine grained, oval stone pebble. Some plough damage. Weight 149gms. NATURAL.

9A
30) Grey/brown banded agate chip. NATURAL.
31) Bulbar end of red/brown inner flint flake. Plain butt, diffuse bulb. Maximum dimensions:10 x 10 x 4

AH
32) Grey/white/fawn tabular quartzite chunk. An elongated triangle in shape. Maximum dimensions: 52 x 30 x 7. NATURAL.
12A
34) Oval, grey, fine-grained stone pebble. Some plough damage. Weight: 336 gms. NATURAL.

B6
36) Fawn grey inner flint chip.
37) Brown/grey/milky/quartzite chunk. Angular edges and one smoothed and rounded face. Weight: 37gms. NATURAL

B7
38) Dark brown/grey banded? Inner agate flake. Diffuse bulb, plain butt. Maximum dimensions: 21 x 20 x 7

B10

B13
40) Part of a very fine grained black/dark grey pitchstone nodule. One flake removed. TESTED PEBBLE. Weight: 3gms. Maximum dimensions: 17 x 15 x 8.

B24

B38
42) Burnt grey/white flint chip.

2C
43) Grey/red/brown/ white quartzy agate nodule. Weight: 31 gms Maximum dimensions: 38 x 29 x 28. NATURAL

5C
44) Rounded cream/fawn/red/brown quartz agate pebble. Naturally pitted and spalled. Weight: 72 gms. NATURAL.
45) Grey/brown banded agate nodule. Weight: 20 gms. NATURAL
46) Grey/fawn angular quartzite lump. Maximum dimensions: 45 x 10 x 15 NATURAL.
47) Grey fine-grained rounded oval pebble. Weight: 183gms. Maximum dimensions: 125 x 31 x 27. NATURAL.

C37
49) SCRAPER on right edge of a thick milky grey/white quartz agate inner flake. Plain butt, diffuse bulb. Semi-abrupt retouch on right edge. Maximum dimensions: 28 x 26 x 12. DRAW.

C38
50) Milky white/brown quartzy agate chunk. Hard fawn/brown pitted quartzy cortex. Weight: 4gms. NATURAL.

0D
51) Irregular, light grey semi-translucent quartzite chip. Maximum dimensions: 14 x 17 x 5. NATURAL
4D
52) Opaque white angular quartzite chunk. Weight: 1gm. Maximum dimensions: 20 x 10 x 8. NATURAL
53) Sharp, fresh and angular grey/brown banded quartz agate lump. Weight: 40gms. NATURAL.

5D

7D
55) Red/brown/milky white thick primary flake from quartz agate pebble. Dorsal face exhibits rounded pebble surface with rounded and slightly battered ridges. ? from splitting a pebble. Weight: 5gms. Maximum dimensions: 21 x 23 x 11.

11D
56) Mottled grey quartzy flint chunk with rounded smoothed surfaces. Weight: 5gms. NATURAL

14D

D37
58) Grey speckled serrated blade on secondary removal. Retains hard patch of smoothed fawn pebble cortex on dorsal face, right edge. Plain butt, pronounced bulb. Both edges are serrated with very fine RETOUCH, more pronounced on right edge. Larger flakes also removed on left edge, bulbar face and right edge at distal end. Tip removed obliquely at distal end. Maximum dimensions: 54 x 17 x 8. DRAW.

2E
60) White/grey inner quartzite flake. Broken obliquely at both ends. Maximum dimensions: 18 x 9 x 5.
61) Large quartz flint nodule, rounded and smoothed. Ridges abraded and smoothed. Weight: 41gms. NATURAL.
62) Grey banded, rounded, quartzy flint chunk Weight: 7gms. NATURAL

7E
63) Red/brown quartz agate chunk. Weight: 4gms. Maximum dimensions: 28 x 13 x 10. NATURAL
64) Grey/milky white rounded quartzite chip. Maximum dimensions: 16 x 13 x 7.

8E
65) Grey speckled flint chunk with a small patch of hard fawn pebble cortex on one surface. Weight: 4gms. NATURAL

F3

4F
67) Small, irregular chunk of red/brown grey/fawn banded agate. Rounded edges. Weight: 3 gms. NATURAL.

F5
68) Fresh, angular, milky white, fawn, quartzite chunk. Weight: 1gm. NATURAL
69) Angular red/brown/grey/white banded quartz agate nodule. Hard off-white cortex on one face. Weight: 13gms. NATURAL

F7

F21

F37
72) Totally white re-corticated flint chunk. Weight: 2 gms. Maximum dimensions: 18 x 8 x 7. NATURAL
73) Angular grey quartz flint fragment. Retains hard grey/white outer pebble surface with quartz inclusions in the body of the flint. Weight: 15gms. NATURAL.
74) Dark grey primary flake retaining fawn grey pebble cortex on dorsal face. Irregularly broken at bulbar end. Maximum dimensions: 23 x 14 x 6.
75) Large, angular, grey/red/brown/milky white banded quartz agate chunk. Weight: 43gms. NATURAL.

1G
76) Grey, inner flint flake. Small, plain butt, diffuse bulb. Maximum dimensions: 16 x 8 x 2.
77) Irregular, grey/white/fawn quartzite piece. Weight: 3gms. Maximum dimensions: 33 x 13 x 8. NATURAL.

78) Angular red/brown/pink/grey quartz banded agate chunk. Weight: 3 gms.

10G
79) Large rounded SCRAPER on white flint primary flake, retaining hard fawn smoothed pebble cortex on dorsal face. Steeply retouched around the whole circumference. Angle of retouch at distal end c. 69 degrees. Maximum dimensions: 28 x 30 x 9 DRAW

11G
81) Red/brown sharp, angular, chunk of banded agate. Weight 2 gms. Maximum dimensions: 19 x 12 x 8.

G15

G30

G35
84) Angular grey/white mottled quartzite chunk. Plough struck on one edge. Weight: 18gms. Maximum dimensions: 48 x 21 x 16. NATURAL

1H
85) Burnt white crackled inner BLADE/FLAKE SEGMENT. Maximum dimensions: 10x 10 x 3.
2H
86) Dark grey secondary flint flake, retaining small patches of fawn pebble cortex on dorsal face. Pot lid spalls visible on right edge, dorsal face. Broken obliquely at the bulbar end. RETOUCHEDE on left edge. Possible retouch on right edge may have been removed by spalling. Maximum dimensions: 27 x 14 x 6.

H3
87) Grey mottled inner flint flake. Plain butt, diffuse bulb and bulbar scar. Maximum dimensions 23 x 9 x 4

12H
88) Irregular red/brown/ grey banded agate fragment. Weight; 1gm. NATURAL.

H17

H26
90) Grey speckled RETOUCHEDE inner flint flake. Thin plain butt, very flat, diffuse bulb. Tip at distal end broken transversely. Semi-abrupt retouch down right edge, dorsal face. Maximum dimensions: 32 x 16 x 4 DRAW.

H27
91) Bulbar end of a thick milky white/grey primary flake from a quartzite nodule. Remaining dorsal face exhibits hard, chattered, fawn grey nodule surface. Cortical butt, pronounced bulb. Maximum dimensions: 10 x 30 x 8.

H31
92) Irregular grey/red/brown/milky white agate chunk. Weight: 1gm. Maximum dimensions: 30 x 11 x 9. NATURAL

H36
93) Dark grey/black shiny inner chert flake. Plain butt, diffuse bulb. Maximum dimensions: 19 x 10 x 5.

I4

8I
95) Grey mottled quartz chert chunk. Rolled and smoothed ridges, some sharp edges. Weight: 20gms. Maximum dimensions: 40 x 47 x 16. NATURAL

I26
96) Light grey, secondary flint flake. Plain butt, flat diffuse bulb. RETOUCHEDE on right edge and across bulbar end. Incipient milky white re-cortication on all surfaces. Hard smoothed fawn pebble cortex on dorsal face at distal end. Denticulations on left edge. Slight hinge fracture at distal end with some notching from plough damage. Maximum dimensions: 32 x 22 x 8. DRAW.

6J
97) Totally white re-corticated flint chunk. Two possible flakes removed by knapping TESTED PEBBLE. Piece re-corticated after flakes removed. Weight: 12 gms. Maximum dimensions: 38 x 22 x 18.

12 J
98) Irregular grey rectangular quartzite fragment, with hard fawn/cream outer pebble skin on one surface. Weight: 4gms. Maximum dimensions: 20x 20 x 9

13J
100) Red/brown shattered agate chunk. One flake removed by knapping on internal surface. External surface retains pink/white/grey/banded outer nodule skin. Weight: 14gms. maximum dimensions: 36 x 28 x 20. TESTED PEBBLE.

J21
101) Pink/red/brown/grey banded agate chunk. Weight: 6gms. maximum dimensions: 24 x 13 x 14. NATURAL.

K4

K7

4L
104) Grey/white quartzite blade. Bulbar end detached obliquely. Right edge? SERRATED possibly through use. Maximum dimensions: 27 x 9 x 6

L6

1M
106) Grey brown banded quartzite nodule. Some plough damage. Weight: 40gms. Maximum dimensions 47 x 34 x 26. NATURAL

3M

4M
108) grey inner flint flake, plain butt, diffuse bulb. Maximum dimensions: 18 x 10 x 3

M23
109) Bulbar end of white inner flint flake. Plain butt, diffuse bulb and small bulaber scar. Broken obliquely at the distal end. RETOUCHED on both edges. Maximum dimensions: 17 x 12 x 7.

3N
110) Secondary flint flake from rounded, fawn/grey pebble. Plain butt, pronounced bulb. Plough damage on bulbar face, distal end and on right edge at bulbar end, bulbar face. ? shattered from larger core. 2 flakes removed from flat surface of pebble in opposed direction to the striking of the main flakes From CORE TRIMMING/REJUVENATION. Maximum dimensions: 29 x 28 x 12.

N9
111) Grey mottled inner quartzite chip. Maximum dimensions: 14 x 7 x 3. NATURAL

N11
112) Grey inner flint chip. Maximum dimensions: 13 x 14 x 4. NATURAL

N16
113) Thick inner red/grey/brown banded quartzy agate BLADE-LIKE FLAKE. Plain butt, flat, diffuse bulb. Very sharp edges. Maximum dimensions: 55 x 14 x 8

OO
114) Sharp, angular, red/brown/grey/fawn banded quartz agate chunk. Weight: 17 gms. Maximum dimensions: 37 x 35 x 16. NATURAL
115) Shattered chunk from grey/green chert pebble. Edges abraded. Outer skin rolled and smoothed. Weight: 46gms. Maximum dimensions: 52 x 34 x 22. NATURAL.

116) Shattered chunk from grey/green chert pebble. Some fawn/orange outer cortex remaining on one face. One possible flake removed on fresh surface? Split/shattered pebble used as a CORE. Weight: 17gms. Maximum dimensions: 36 x 22 x 20. DRAW.

117) Inner quartzite flake removed through bipolar working. SCRAPER retouch on one edge. Plain butt, diffuse bulb. Maximum dimensions: 22 x 19 x 5.

118) Irregular smoothed grey flint chunk with fawn brown cortex. Some flakes visible on edges from plough damage. Weight: 2 gms. Maximum dimensions: 28 x 18 x 8.

119) Grey/white banded quartzite fragment. Hard fawn pebble cortex on one end. Weight 4 gms. Maximum dimensions: 24 x 19 x 11 NATURAL.

120) Irregular fawn/brown white flint chip. Maximum dimensions: 12 x 10 x 2. NATURAL

121) THUMB NAIL SCRAPER on grey white fresh inner flint flake. Plain thick butt, pronounced, rounded bulb. retouched around distal end. Angle of retouch: 63 degrees. Maximum dimensions: 15 x 16 x 6. DRAW.


124) Grey banded columnar quartzite fragment. Weight: 3gms. Maximum dimensions: 25 x 11 x 2. NATURAL.

125) Grey/brown/milky white banded agate nodule. Weight: 18gms. Maximum dimensions: 36 x 19 x 23. NATURAL.

126) Red/brown/grey milky white banded agate chip. Maximum dimensions: 19 x 12 x 5. NATURAL.

127) red/brown/grey/milky white banded inner agate flake. Broken transversely at bulbar end. Maximum dimensions: 43 x 16 x 5.


129) Sharp white angular quartzite, fine grained chunk. Weight: 9gms. Maximum dimensions: 32 x 22 x 14. NATURAL.
130) Grey/fawn white, fine grained inner quartzite flake. Plain butt, diffuse bulb. Maximum dimensions: 33 x 17 x 8.

131) Dark grey chert inner BLADE/FLAKE SEGMENT. Broken obliquely at both ends. Maximum dimensions: 11 x 10 x 2.

2U
132) Distal end of a burnt, white crackled and spalled inner flint flake. Large pot-lid fracture on bulbar face. Large hinge fracture on distal end of flake. Broken transversely at the bulbar end. Maximum dimensions: 14 x 25 x 8.

3U
133) Grey flint inner flint flake. Plain butt, pronounced bulb and scar. Sharp and fresh edges. Maximum dimensions: 18 x 23 x 4

4U

135) POSSIBLE WHETSTONE – fine grained grey pebble. Facetted edges, one face very smoothed and worn from use. Broken perforation at one end. C. 8-10 mm in diam. Irregularly shattered at end opposite to perforation. Underside coarse and abraded. Plough scars visible on the smoothed surfaces. Worked surface slightly dished. Maximum dimensions: 90 x 24 x 18. Worked surface slightly dished – 19mm thick at broken perforation and c. 10mm thick at ‘distal’ end. Weight: 62gms.

1W
136) Large, thick, red/brown/pink/white/yellow ochre quartz banded inner agate flake. Plain butt, pronounced bulb. Quartzy fault in body of the piece. Maximum dimensions: 37 x 35 x 12.

4Y
139) Grey/red/brown banded agate chip. Maximum dimensions: 13 x 10 4. NATURAL.

FH/09 FIELD 8

4A

12A

0B
3) Natural red/brown creamy white banded agate spall. NATURAL.

2B
4) SIDE AND END SCRAPER on light grey mottled secondary flint flake. Retains hard off/white/grey rounded but pitted pebble cortex on dorsal face at bulbar end. Fine RETOUCH on both edges and at distal end. Angle of retouch at distal end 69 degrees. Thick facetted butt, pronounced bulb and bulbar scar. Maximum dimensions: 25 x 22 x 8. DRAW
5) Red/brown/milky quartz agate nodule. Angular and smoothed on raised facets. Weight: 10 gms. Maximum dimensions: 23 x 24 x 15. NATURAL.
1C
6) Distal end of light grey inner chert flake, broken transversely at bulbar end. Small hinge fractures visible on dorsal face. Maximum dimensions: 17 x 9 x 9.

6C
7) Grey shiny chert chunk. Weight: 2gms, Maximum dimensions: 18 x 12 x 9. NATURAL.

7C
8) Small red/brown agate nodule. Weight: 2 gms. NATURAL.

4D
9) Light grey inner flint flake. Plain butt, flat, diffuse bulb and bulbar scar. Maximum dimensions: 15 x 16 x 3

8D
10) Large grey crystal agate chunk. External faces exhibit red brown external nodule skin with milky white inclusions and some pink banding. External surfaces covered in freeze thaw pot lid fractures. Maximum dimensions: 26 x 22 x 12. NATURAL

10D

8E
12) Red/brown banded agate chunk. Retains hard fawn brown pitted nodule surface on one face. Weight: 29gms. NATURAL.

1D
13) Grey inner chert flake, broken transversely at bulbar end. Maximum dimensions: 18 x 15 x 8.

D2
14) Fawn brown inner flint flake, retains small patch of grey brown pitted pebble cortex on bulbar end (cortical butt), pronounced bulb. Some edge damage from ploughing. Maximum dimensions: 34 x 19 x 8.

0F

14F
16) Scattered, smoothed black stone pebble. Weight: 35gms. NATURAL

FH/09 FIELD 14

3A
1) Bulbar end of dark grey, mottled, flint secondary flake. Plain butt, pronounced bulb and bulbar scar. Broken obliquely at the distal end. Right edge at bulbar end has clear evidence for UTILISATION/RETOUCH. Retains hard white pebble cortex on left edge dorsal face at the break. Maximum dimensions: 12 x 21 x 4. DRAW.

6B
2) Distal end of light grey inner flint flake. Struck from core with opposed platforms. Distal end has small hinge fracture. Broken obliquely at the bulbar end. Maximum dimensions: 14 x 15 x 4.

1D
3) Grey mottled secondary flint flake. Plain butt, diffuse bulb. Right edge dorsal face retains hard white/grey pebble cortex. Left edge dorsal face has patch of fine RETOUCH. Maximum dimensions: 27 x 19 x 8. DRAW.
8D
4) Grey mottled inner flint flake, broken transversely at bulbar end. Edges very sharp and fresh. Edges notched and flaked from plough damage. RETOUCHEd across distal end. Maximum dimensions: 38 x 25 x 7.

11F

12H
6) Light grey shattered flint chunk. Maximum dimensions: 21 x 13 x 8. NATURAL

-1K
7) Thin SCRAPER on side and distal end of a dark grey mottled inner flint flake. Thin, plain butt, flattened diffuse bulb. RETOUCHEd on right edge and distal end. Broken in part of circumference at distal end and also on left edge towards bulbar end. Maximum dimensions: 16 x 22 x 3. DRAW

-1M
8) Light grey inner flint flake. Plain butt, diffuse bulb and bulbar scar. Maximum dimensions: 19 x 17 x 3.

6M

FH/09 FIELD 16

1B
1) Dark grey flint BLADE SEGMENT. Broken transversely at both ends. Maximum dimensions: 16 x 11 x 5

13B
2) Short squat grey banded inner flint flake. Plain butt, diffuse bulb ? from bi-polar core. Maximum dimensions: 12 x 17 x 3.

12C

1D
4) Broken pebble of grey sandstone. Oval section, possibly fractured along the sharper edges of the oval. Slightly flattened and unbroken end seems battered. ? broken PEBBLE TOOL/WHETSTONE. Weight: 97 gms. Maximum dimensions: 73 x 36 x 27.

3H
5) Red/brown agate chunk with quartz cortex-like material on two edges. Weight 11 gms. Maximum dimensions: 24 x 29 x 10. NATURAL.

6) red/brown agate chunk. Pebble cortex on two edges. Weight: 20 gms. Maximum dimensions: 27 x 36 x 15. NATURAL.

8H

7J
8) Small SCRAPER on inner grey flint flake. Retouched around one edge. Flake from bi-polar core. Broken transversely across one edge. Maximum dimensions: 12 x 15 x 6. DRAW.
12J

10) Light grey inner FLAKE SEGMENT. Broken irregularly at bulbar end and transversely at distal. Maximum dimensions: 10 x 14 x 1

14J

7K
12) Burnt bulbar end of mottled grey/white inner flint flake. Plain butt, pronounced bulb and bulbar scar. Broken transversely at distal end. Maximum dimensions: 19 x 20 x 8.


14) Irregular, calcined, inner flint flake from a flake core. One edge abraded and bashed from plough action. Broken transversely at bulbar end. One flake scar visible on dorsal face. Maximum dimensions: 22 x 22 x 8.

8L
15) Grey mottled inner flint flake. Plain butt, diffuse bulb. hinge fracture at distal end. Edges exhibit scaring from plough damage. Struck from core with flake removals from at least 3 directions. Maximum dimensions: 22 x 22 x 6.

9N
16) Fawn/grey quartzite chunk, broken from a larger piece. Possibly utilised as a CORE. Milky white ? re-cortication on two faces, but several possible flake scars visible on these re-corticated surfaces. One possible flake removed from un-re-corticated face. Weight: 9gms. Maximum dimensions: 33 x 23 x 13. DRAW.

11N
17) Red/brown agate nodule. Some grey pitted nodule cortex on one surface > Weight: 16 gms. Maximum dimensions: 36 x 21 x 19. NATURAL.

6P

8P
19) Dark grey inner flint chip.

14 P
20) Red agate chip with small quartz cortex-like patch NATURAL.

4R
21) THUMB NAIL SCRAPER on small grey inner flint flake. Plain butt, pronounced bulb. retouched at distal end and on right edge, dorsal face. Angle of retouch at distal end 51 degrees. Maximum dimensions: 19 x 19 x 7. DRAW.

10S
22) THUMB NAIL SCRAPER on dark grey inner flint flake. Broken transversely at distal end. Retouched around distal end and right and left edges. Angle of retouch 54 degrees. Maximum dimensions: 14 x 17 x 6. DRAW.
11S

Also FIELD 16

13E
1) Grey mottled inner flint chip.

12 G

FH/09 FIELD 22

5A
1) Opposed platform CORE (2 platforms) flakes removed part way around both. Flake scars with some hinge fracturing on worked faces. Grey flint with small patch of hard fawn pebble cortex running down the full length of the core on one face. Weight: 22 gms. Maximum dimensions: 36 x 28 x 21.
2) Smal grey/gren rounded chert pebble. Two possible flakes removed from one face TESTED PEBBLE. Weight: 8gms. maximum dimensions 21 x 17 x 18.

A12
3) Brown/grey/white banded inner agate flake. Plain butt, diffuse bulb. Maximum dimensions: 17 x 23 x 8.

1A

B5

6B

7B
8) Angular red/brown/grey/white banded agate fragment. Weight: 5gms. Maximum dimensions: 24 x 19 x 10. NATURAL.
10) Light grey mottled quartz agate chunk. weight: 10gms. Maximum dimensions: 24 x 25 x14. NATURAL.

2C
12) White, smoothed and rounded quartzite chunk. Weight: 5gms. maximum dimensions: 21 x 14 x 16. NATURAL.
13) Small white/grey banded agate chip. NATURAL

15) Banded agate chunk, grey milky white with some quartz crystal inclusions. Weight: 49 gms. Maximum dimensions: 23 x 18 x 7. NATURAL.

6C

17) White/grey/brown/pink banded agate chunk. Maximum dimensions 14 x 15 x 6. NATURAL

C37

2D
19) Grey/brown/white banded agate chunk. weight: 26gms. maximum dimensions: 41 x 37 x 13. NATURAL

20) Flat, angular white quartzite piece Weight: 10gms. Maximum dimensions: 35 x 28 x 8. NATURAL

6D

22) Dark grey/white agate lump. Weight: 11 gms. Maximum dimensions: 26 x 21 x 16. NATURAL

23) White quartzite chunk. Weight: 5gms. Maximum dimensions: 23 x 17 x 11. NATURAL.

10D
24) Grey inner flint flake abraded platform, small, pronounced bulb. Maximum dimensions: 24 x 9 x 5.

D34
25) Grey/green chert chunk. tabular and flattened. Plough struck on one edge. Weight: 8gms. Maximum dimensions: 26 x 26 x 9. NATURAL

1E
26) Large red/brown/grey/white banded agate chunk, retaining patch of red/brown outer nodule skin. Weight: 73 gms. maximum dimensions: 50 x 38 x 44. NATURAL

27) Large red/brown white/grey agate chunk. weight: 98gms. Maximum dimensions: 62 x 41 x 35

28) Small grey/green chert pebble. Weight: 4gms. Maximum dimensions: 13 x 18 x 11. NATURAL.

3E
29) Grey/white banded quartz agate chunk. weight: 18gms. Maximum dimensions 30 x 25 x 20. NATURAL

9E


9E


35) Grey white quartz agate chunk. Smoothed and rounded. Weight: 7 gms. Maximum dimensions: 19 x 19 x 15. **NATURAL**

36) Red/brown inner agate flake. Plain butt, diffuse bulb. Maximum dimensions 17 x 10 x 5.

37) Red/brown agate chip. **NATURAL**.

38) Red/brown banded agate chunk with white/grey quartz calcite crystal banding. Weight: 5 gms. Maximum dimensions: 32 x 18 x 13. **NATURAL**


40) Dark grey/light grey/brown banded agate chunk. weight: 49gms. Maximum dimensions: 40 x 48 x 23.


42) Red/brown grey banded agate chunk. weight: 9gms. maximum dimensions: 25 x 23 x 13. **NATURAL**


45) Grey/brown/white banded agate chunk. Maximum dimensions: 55 x 44 x 20. **NATURAL**

46) Small grey/white smoothed banded agate chunk. weight: 5 gms. maximum dimensions 23 x 17 x 9. **NATURAL**

47) Large fragmentary grey inner flint flake. Plain butt, diffuse bulb. **RETOUCHED** along striking platform edge and left edge. Broken obliquely but irregularly at distal end. Small squills removed on bulbar face, left edg. The angle made by retouching across the striking platform edge and left edge creates a working point ? **BORER**. Maximum dimensions: 27 x 24 x 3. **DRAW**.


49) Pink/red/brown grey/white banded agate chunk. 2 flakes removed ? **TESTED PEBBLE**. Weight: 15 gms. Maximum dimensions 32 x 23 x 16.

50) Grey/white quartzite chunk. weight: 4 gms. Maximum dimensions: 17 x 19 x 8. **NATURAL**

51) Grey/white/pink banded agate chunk. Weight: 2 gms. Maximum dimensions: 17 x 14 x 12. **NATURAL**

53) Small red/brown/white agate chunk. Weight: 1 gm. Maximum dimensions: 14 x 12 x 8. **NATURAL**


**J18**

55) White quartz agate, **BLADE-LIKE FLAKE.** Broken transversely at the bulbar end. Inverse retouch on bulbar face, left edge, bulbar end. Very thick flake with two ridges on dorsal face. Some small irregular flake removals on dorsal face at distal end? From plough damage. Maximum dimensions: 47 x 13 x 11.

**J27**

56) Shattered fragment from a **SCRAPER** on grey mottled inner flint flake. Broken down the middle of the piece. Very steep retouch. Angle of retouch: 77 degrees. Maximum dimensions: 21 x 11 x 11. **DRAW**

**2J**

57) Translucent grey, inner, quartzite flake. Thick plain butt, diffuse bulb. Sharp edges , broken obliquely at distal end. Maximum dimensions: 17 x 17 x 3

**1K**


**8K**


**11K**

60) Grey mottled white quartzite chunk. weight: 3 gms. Maximum dimensions: 22 x 16 x 6. **NATURAL**

**0L**

61) Large grey inner flint flake with incipient white re-cortication on right edge, dorsal face towards distal end. Broken transversely at bulbar end with very heavy snap fracture. Both edges exhibit evidence for **UTILISATION.** Large notch on right edge at bulbar end ? from plough damage. Right edge **UTILISATION/LIGHT RETOUCH** has taken place after re-cortication. Hinge fracture at distal end. One small thin flake removed from the broken face of the bulbar end fracture. This thin flake terminates in a hinge fracture. Flake scars from previous removals visible on dorsal face. Maximum dimensions: 61 x 35 x 10.


**6L**

63) Fine grained stone fragment – Type unknown. **NATURAL.**

64) Grey/brown/white banded agate chunk. Some possible re-cortication visible Weight: 35gms. maximum dimensions: 35 x 30 x 16. **NATURAL**

**11L**


66) Large grey/white/fawn/brown agate chunk. Weight: 47 gms. Maximum dimensions: 55 x 35 x 27. **NATURAL.**

67) Fine grained, elongated, oval pebble, used as a **WHETSTONE.** Roughly rounded, sub-rectangular section. One surface dished and smoothed through use. Weight: 67 gms. Maximum dimensions: 86 x 22 x 23. **DRAW**
68) Large grey white/brown banded agate chunk. 2 possible flakes removed TESTED PEBBLE. Weight: 63 gms. Maximum dimensions: 54 x 40 x 35.

69) Small red/brown/grey/white banded agate pebble at least 3 irregular flakes removed. TESTED PEBBLE. Weight: 10gms. Maximum dimensions: 29 x 20 x 16.

1M
70) Grey/white/red/brown banded quartz agate chunk. One possible flake removed. TESTED PEBBLE. Weight: 17gms. Maximum dimensions: 45 x 20 x 14.

71) Roughly oblong, fine grained, grey pebble. Weight: 184 gms. Maximum dimensions: 123 x 35 x 22. NATURAL

2M
72) Red/brown/grey white quartz agate. One surface exhibits brown/fawn roughened outer nodule skin. Weight: 9gms. Maximum dimensions: 23 x 22 x 13. NATURAL

73) Angular red/brown/ grey/white/fawn banded agate chunk. Weight: 70 gms. Maximum dimensions: 66 x 32 x 23. NATURAL

74) Grey/white agate chunk, rounded and smoothed. Weight: 13 gms. Maximum dimensions: 22 x 21 x 21. NATURAL

6M
75) Bulbar end of white, quartzy, inner flint flake. Broken transversely at distal end. Plain butt, diffuse bulb. Maximum dimensions: 16 x 13 x 5.

76) White/grey/ brown banded, smoothed, agate chunk. Weight: 30 gms. Maximum dimensions: 47 x 25 x 22. NATURAL

77) Possible BORER on distal end of a triangular grey/white banded quartz agate flake. Maximum dimensions: 38 x 19 x 11. DRAW

78) Distal end of a large grey inner flint flake. Hinge fracture at the distal end. Broken transversely at the bulbar end. RETOUCHED and plough damaged on both edges and the distal end. Some notches may be from plough damage. Left edge, dorsal face also exhibits flakes removed by plough action. Maximum dimensions: 21 x 36 x 5.

5N
79) Pink/brown/grey white banded agate chunk. Weight: 16gms. Maximum dimensions: 31 x 17 x 24. NATURAL

80) Angular white quartzite chunk with grey banding and flecking. Weight: 5 gms. Maximum dimensions: 24 x 24 x 9. NATIONAL

81) Angular grey/white/fawn banded agate chunk. Weight: 10gms. Maximum dimensions: 30 x 20 x 17. NATURAL

82) Large squared, but smoothed brown/grey/white/fawn quartz agate lump. Weight: 84 gms. Maximum dimensions: 46 x 47 x 27. NATURAL

83) White/brown/grey agate chip. Maximum dimensions: 14 x 11 x 5. NATURAL

84) Small white/grey quartz agate chunk. Maximum dimensions: 15 x 14 x 7. NATURAL

6N
85) Fragment of SCAPER on a white/grey quartz agate inner flake. Broken down the centre of the piece. Angle of retouch 64 degrees. Maximum dimensions: 24 x 10 x 7. DRAW

10N
86) grey speckled flint chunk. Rolled, unworked. Weight: 2gms. Maximum dimensions: 22 x 16 x 7. NATURAL
8O
87) Inner flake from grey/brown/white/banded quartz agate chunk. Broken transversely at the bulbar end. Maximum dimensions: 35 x 16 x 13.

Additional Field 22 (2ND Catalogue)

8A

4B
3) Grey/white, quartz, inner flint flake. Broken at bulbar end. Max. Dimensions: 16 x 6 x 3. E7


0H

3H

4H

10M

4O

7O

FH/09 FIELD 50
31 pieces – No Other Context

1) SCRAPER on a fragment of a thick inner, dark grey, flint flake. Snapped on two faces. Steep retouch on worked face Angle of retouch: 75 degrees. DRAW.

2) SCRAPER on light grey/dark grey mottled secondary flake. Cortical butt, pronounced bulb. Grey/fawn pebble cortex across bulbar end. Retouched around distal end and both edges – small patch of inverse retouch on left edge, bulbar face. Angle of retouch 66 degrees. Maximum dimensions: 18 x 19 x 6. DRAW.

3) SCRAPER on a grey, burnt, whitened, crackled, and spalled, inner flint flake. Hard white chalky inclusions on left edge bulbar face. Plain butt, diffuse bulb. Left edge also shattered. Angle of retouch: 75 degrees. Maximum dimensions: 23 x 22 x 8. DRAW.

5) Totally white, calcined, inner flake. Plain butt, diffuse bulb. Edges bashed and shattered. Maximum dimensions: 18 x 17 x 11.

6) Burnt, white, crackled, shattered flake segment. Broken irregularly at both ends. Maximum dimensions: 15 x 17 x 7.

7) Burnt, white, crackled angular flint inner chip.


12) Grey inner flint flake, irregularly broken at bulbar end. Maximum dimensions: 16 x 12 x 6


14) Light grey inner flake segment, broken transversely at both ends. Fine RETOUCH on right edge. Some irregular squills removed on left edge. Maximum dimensions: 23 x 226 x 6.

15) Light/dark grey banded inner flint flake. Broken transversely at the bulbar end. Left edge exhibits slight evidence for SERRATION. Maximum dimensions: 24 x 16 x 4 DRAW.

16) Irregular dark grey secondary flake, broken transversely at distal end and also at bulbar end. Retains hard grey/fawn smoothed pebble cortex on both edges, dorsal face.


19) Light grey inner flint BLADELET. Snapped transversely at the bulbar end. Also, distal tip broken transversely. Maximum dimensions: 21 x 9 x 3.

20) Light grey mottled, inner flake segment, broken irregularly at both ends. Maximum dimensions: 15 x 15 x 3.


22) Grey/white inner BLADELET, broken transversely at the bulbar end. Two small notches on the left edge from plough damage. Maximum dimensions: 19 x 9 x 2.

23) Dark grey inner flake, from bi-polar working with opposing flaking directions on dorsal and bulbar face. Small section of flat striking platform visible at one end. Maximum dimensions: 23 x 13 x 8


25) Small grey inner flint chip.

26) Grey/brown banded agate chip. NATURAL.

28) Red/brown grey agate chunk. weight: 5gms. NATURAL.

29) Grey/white/purple agate chunk. Weight 2gms. NATURAL

30) Light grey inner flint flake, broken at both ends. Small patch of RETOUCH at distal end. Maximum dimensions: 16 x 15 x 5

31) Totally white, burnt, crackled inner fragment from a multi-platform core. Plain butt, diffuse bulb and bulbar scar. Maximum dimensions: 13 x 17 x 11.
FLODDEN 500: ADDITIONAL LITHIC MATERIAL FROM EXCAVATION AND FIELDWALKING

This document presents discussion of additional material recovered from excavation and field-walking, not available for study at the time of completion of the first Flodden Lithic Report. Under instruction from the project field co-ordinators, all pieces deemed ‘natural’ and recorded in the accompanying catalogue of recovered material are omitted from this summary and overview. Each piece recovered has been accorded a number within each field/excavation trench context and this number has been used in the structuring of the detailed catalogue of material appended at the end of this discussion. All finds bags have been marked with this number. Basic information has been recorded on: raw material type, artefact form (using established typological criteria), artefact completeness or otherwise, position within the lithic reduction sequence (where this can be established), and any surface alteration, whether through burning, re-cortication or patination. Simple metrical attributes of maximum length, maximum breadth/width and maximum thickness and weight (where necessary) have been recorded, again, using established methodologies. Material from each field surveyed has been analysed and considered as individual assemblages, using the criteria set out above.

2. Raw Material

FLODDEN HILL SITE 1

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Table 1: Raw Materials from Excavation
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Table 1: Raw Materials from Excavation

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Table 3: Raw Materials from Excavation

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Table 4: Raw Materials from Excavation
As Tables 1-5 indicate, grey flint (in various shades) was the commonest form of flint recorded in the fieldwork, accounting for just over 64% of the total material recovered in the excavation on Flodden Hill Site 1, 27% in the excavation on Flodden Hill Site 2, 30% from the excavation at Flodden Field 2013 and over 52% from the field walking. As the catalogue entries indicate, where cortex occurs on this material it is invariably rounded, smoothed and rolled.

Flint accounts for over 70% of the material recovered from field walking, while chert makes up 4.75% of the total, agate some 17% and quartzite 6.6%.

Fine grained grey stone, occurring in artefact form, makes up over 7% of the raw material from excavations at Flodden Hill Site 1, 27% at Flodden Hill Site 2, 10% at Flodden Field 2013 and 0.95% in the field-walked sample.
3. Lithic Analysis

EXCAVATION


Table 7: Lithic Artefacts from Flodden Hill Site 2 by Trench

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</tr>
<tr>
<td>TR 16</td>
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<td>1</td>
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<tr>
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<td>10</td>
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<td>-</td>
<td>-</td>
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<td>7</td>
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</tbody>
</table>

Again, the lithic material recorded in the excavations on Flodden Hill Site 2 is largely chronologically undiagnostic. The potential whetstones recorded from Trenches 2, (CAT 2) 10 (CAT 7) and 11 (CAT 1) are typical of the sort of artefact that occurs regularly on rural settlements throughout the north-east region. They must post date the Neolithic period and given the pottery that has also come from these excavations they are most likely to be of broadly Iron Age date.
The two cobble hammer-stones from Trenches 8 (CAT 2) and 10 (CAT 2) are of intrinsic interest but again they are not chronologically diagnostic and could date to any period of settlement activity on the site. On balance, though, it is likely that they are again of broadly Iron Age date.

Rotary querns such as that from Trench 8 (FH11-2 TR8 Small Find 158 CAT 4) are common on nearly all rural settlements of the first millennium BC in the north-east region e.g. West Dodd Law, Murton High Crags, Fawdon Dene Enclosures 1 and 2, Pegswood, South Shields (Waddington 2012, 245), Bollihope Common (Young, Webster and Newton, 2006).

Waddington further points out that quern-stones are typically made of cheviot rocks such as andesite, although they are also made from gritstones and sandstones, implying the widespread trade of bulky and heavy materials across the region (Waddington, 2012, 245).

One further artefact of note is the retouched flint knife from Trench 9 made on a thick grey inner flint flake and snapped at the tip. Again this could date to any period in later prehistory.

**FLODDEN FIELD 2013**

Lithic material from the Flodden Field excavations in 2013 can be broken down by trench as follows:

<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
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<td>3</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

*Table 8: Lithic Artefacts from Flodden Field 2013 by Trench*

None of this material is chronologically diagnostic

**FLODDEN HILL SITE 3 (2014)**

Three lithic finds were recorded in excavations at Flodden Hill Site 3, an un-numbered field on the south side of Flodden Hill to the south of Field 9.

FH 14/3 Context 6 CAT 1 is a fine grained, grey/fawn, sandstone conglomerate with what appears to be a pecked and ground hollow or cup on one face. If this is not a natural phenomenon it could well be a rare example of a portable, possibly Neolithic, cup marked stone.

The second find from this small excavation was an undateable, grey mottled, secondary flint flake. (FH 14/3 Context 15 Small Find 2.CAT 2)

Of particular interest though is the broken, tanged, implement (FH 14/3 Context 3 Small Find 1, CAT 3) which may be part of a flint projectile point of possibly Bronze Age date.
FIELD-WALKING

See Table 5 for overall quantity of lithics per field. In what follows the material from each field surveyed is analysed as a separate ‘assemblage’.

In the tables the following abbreviations have been used:

Tot. = Total  Comp. = Complete  Pl. = Plain  Cort. = Cortical

These refer to the nature of striking platform/butt type remaining on flakes (Plain, Cortical, Facetted and dihedral) and the nature of surviving bulbs of percussion: (Pronounced, Diffuse). A general overview is presented at the end of this section.

FIELD 13

Table 5 (above) indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
<th>BR.</th>
<th>COMP.</th>
<th>PL.</th>
<th>CORT.</th>
<th>DIHED.</th>
<th>PRON.</th>
<th>DIFF.</th>
<th>%TOT. Finds</th>
</tr>
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<td>-</td>
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<td>1</td>
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<td>1</td>
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<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>4.16</td>
</tr>
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<td>1</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>8.33</td>
</tr>
<tr>
<td>Inner Flake</td>
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<td>6</td>
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<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4.16</td>
</tr>
<tr>
<td>Misc. Retouched/Utilised Flakes</td>
<td>2</td>
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<td>-</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td>Borers/Piercers</td>
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<td>1</td>
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<td>9</td>
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<td>4</td>
<td>7</td>
<td>99.95 (100)</td>
</tr>
</tbody>
</table>

Table 9: Material Recovered from Field 13

Technology

The single crude agate core which weighs 8gms has 2 flakes removed from an irregular striking platform.

Primary flakes make up only 4.16% of the collection while secondary and inner flakes contribute almost 50% of the overall total, supporting the notion that primary core preparation was carried out elsewhere, probably nearer to the sources of the raw material. The presence of both pronounced and diffuse bulbs of percussion on flakes along with the dominance of plain striking platform remnants would suggest that both hard and soft hammer technology was in evidence within this small collection.

Scrapers

Of the three recorded scrapers, two are end scrapers, manufactured on the distal ends of flakes, and one is a small disc ‘thumbnail’ type scraper. All three would not be out of place in any Later Mesolithic flint assemblage from the region.

Borer/Piercer

The one recorded example is on an inner grey flint flake and the working point has been created by steep/a abrupt retouch. Again this would not be out of place in a Later Mesolithic context.
FIELD 18

Table 5 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
<th>BR.</th>
<th>COMP.</th>
<th>PL.</th>
<th>CORT.</th>
<th>DIHED.</th>
<th>PRON.</th>
<th>DIFF.</th>
<th>% TOT. Finds</th>
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<tr>
<td>Primary Flake</td>
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<td>1</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5.12</td>
</tr>
<tr>
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<td>2</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5.12</td>
</tr>
<tr>
<td>Inner Flake</td>
<td>19</td>
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<td>10</td>
<td>11</td>
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<td>4</td>
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<td>1</td>
<td>1</td>
<td>1</td>
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<td>-</td>
<td>-</td>
<td>-</td>
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<td>2.56</td>
</tr>
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<td>Misc. Retouched/Utilised Flakes</td>
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<td>-</td>
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<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>TOTAL</td>
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<td>18</td>
<td>1</td>
<td>5</td>
<td>16</td>
<td>99.94</td>
<td>(100)</td>
</tr>
</tbody>
</table>

Table 11 Material Recorded from Field 18

Technology

The fragmentary core (Cat 10) and the complete core (Cat. 39) have both been utilised in the production of flakes. The low numbers of both primary and secondary removals in the collection again suggests that preliminary nodule/pebble dressing and core preparation might have taken place ‘off site’. The high representation of diffuse bulbs of percussion as shown in Table 11 suggests that soft hammer flaking may have been more in evidence that hard hammer percussion.

Meche de Foret

The one recorded example of this form of drill bit (Cat. 34) is characteristically of Later Mesolithic association. It is made on an inner quartz flake and retouched on its left edge.

Whetstone

The single recorded example (Cat. 30) is made on a fine grained roughly oval pebble that has been shattered at one end, probably by the action of the plough. The faceted edges of the piece show clear signs of abrasion and smoothing from use as a whetstone. The piece must post date the Bronze Age in terms of general chronology.

Bar Like Tool

Of particular interest is the plano-convex bar-like tool which appears to be made from slate. It has flattened edges and exhibits marked plough damage on each of its long edges and at both ends. Its function and chronology are uncertain, but it is not simply a natural pebble.
FIELD 19

Table 5 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
<th>BR.</th>
<th>COMP.</th>
<th>PL.</th>
<th>CORT.</th>
<th>DIHED.</th>
<th>PRON.</th>
<th>DIFF.</th>
<th>%TOT. Finds</th>
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<td></td>
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<td></td>
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<td></td>
<td>2</td>
<td>5.12</td>
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</tr>
<tr>
<td>Inner Flake</td>
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<td>9</td>
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<td>1</td>
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<tr>
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<tr>
<td>Slate Bar-like Tool</td>
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</tr>
<tr>
<td>TOTAL</td>
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<td>15</td>
<td>16</td>
<td>18</td>
<td>1</td>
<td>5</td>
<td>16</td>
<td>99.94 (100)</td>
<td></td>
</tr>
</tbody>
</table>

Table 11 Material Recorded from Field 18

Technology

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FIELD 19

Table 5 indicates the range of raw material types present within this collection. It can be further broken down as follows:

<table>
<thead>
<tr>
<th>ARTEFACT TYPE</th>
<th>TOT.</th>
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<th>PL.</th>
<th>CORT.</th>
<th>FAC.</th>
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<th>PRON.</th>
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<td></td>
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</tr>
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Table 12 Material Recorded from Field 19

Technology

The crude agate core (Cat 15) is very faulted and several flakes have been removed from one direction on one face. The lack of primary flakes might suggest that initial nodule/pebble dressing and core preparation took place away from the site closer to the source of raw materials. Surviving bulbs of percussion indicate that both hard and soft hammer technologies were in use.

Scrapers

The one recorded scraper is a small disc-like, ‘thumbnail’ example, made on a secondary flake that retains hard, smooth, white, pebble cortex. It would not be out of place in a later Mesolithic context.

FIELD 23

Table 5 indicates the range of raw material types present within this collection. It can be further broken down as follows:

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<th>COMP.</th>
<th>PL.</th>
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<th>PRON.</th>
<th>DIFF.</th>
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Table 14: Material Recorded from Field 23
4. Chronological Overview

Most of the additional material recovered from field walking would seem to be of broadly later Mesolithic date. The whetstones recorded must post-date the Neolithic period.

REFERENCES


CATALOGUE OF ADDITIONAL LITHIC MATERIAL FROM FIELD WALKING

[NATURAL pieces deleted]

F6 F500/10

F500 F16 ?11J
1) Sub-circular, rounded, flattened and smoothed river cobble. Dished centrally by peck dressing on both flat surfaces. Central bevel runs around mid-point of circumference, again produced by peck dressing. Bevel is pock marked through use. Possibly a HAMMERSTONE or MAUL. Dished element means that the piece fits well into the hand. Daim: 94mm Thickness: 58mm. Dished Areas c. 30mm diam. Large spall removed on one side from plough strikes. Weight: 785 gms.

F500 F13
5A
1) Red/brown inner chert flake, irregularly shattered at bulbar end. Max. Dimensions: 20 x 11 x 6. 19B

15C

17C

7D
11) Shattered fragment from a burnt, grey/white chattered inner flint flake. Irregularly shattered at bulbar end and transversely at the distal end. Max. Dimensions: 23 x 26 x 8.

12D
9E

14E

16E
9) Light grey, mottled inner flint flake, broken transversely at distal end. Plain, thin butt, flat diffuse bulb and marked conchoidal fracture lines on bulbar face. Flakes scars on dorsal face from previous removals. Max. Dimensions: 20 x 16 x 6

10F
15) Light grey mottled inner flint flake, plain butt, flat diffuse bulb. Triangular stepped flake, retouched on right edge at distal end to form a BORER or PIERCER. Max. Dimensions: 12 x 19 x 4. DRAW

8G
16) Purple/red/brown/white/grey agate chunk. Possibly utilised as a CORE. At least two flakes removed. Retains hard fawn grey nodular cortex on one surface. Max. Dimensions: 32 x 17 x 17. Weight: 8 gms. DRA

12G

15G
18) Grey, mottled, secondary flint flake, irregularly shattered at bulbar end. Left edge dorsal face retains hard grey white, smoothed, pebble cortex. Max. Dimensions: 24 x 10 x 6

9H
19) Light grey inner flint flake segment, broken transversely at both ends. Max. Dimensions: 9 x 14 x 4.

12H
22) Dark grey inner flint flake, broken transversely at distal end. RETOUCHE on left edge, dorsal face. Plain butt, pronounced bulb and bulbar scar. Max. Dimensions: 18 x 17 x 6. DRAW.
23) Grey inner flint flake, broken transversely at bulbar end and transversely at distal end. UTILISED on both edges. Max. Dimensions: 22 x 12 x 4. DRAW.

9I

12I
29) Distal end of white/grey burnt inner flint flake, broken irregularly at bulbar end. Shattered around edges and crackled. At least 2 flakes removed at distal end, dorsal face. Max. Dimensions: 20 x 19 x 7.
13J  
33) Dark grey inner flint flake, broken transversely at bulbar end. Rounded hinge fracture at distal end. Max. Dimensions: 18 x 28 x 5.

13K  
37) Orange/brown inner flint flake. Thin, plain butt, diffuse bulb. Max. Dimensions: 14 x 13 x 3

FIELD 14 (F14)  
9C  
1) Light grey inner flint flake, broken transversely at bulbar end. UTILISED on both edges. Scars from previous removals visible on dorsal face. Max. Dimensions: 25 x 19 x 4. DRAW

23R  
7) Grey mottled secondary flint flake. Facetted butt, pronounced bulb. Retains grey smoothed pebble cortex on dorsal face at distal end. Incipient grey/white re-cortication on dorsal face. Some edge damage, possibly from ploughing, on right edge. Plough damage also visible across distal end. Max. Dimensions: 24 x 33 x 9.

FIELD 18 (F18)  
1A  
1) Burnt white flint chunk. Irregularly shattered. Max. Dimensions: 21 x 16 x 7. Weight: 2 gms

7A  

3C  
6) Irregularly shattered primary flake fragment. Broken transversely at bulbar end and obliquely at distal end. Dorsal face retains smoothed, hard, grey pebble cortex on the dorsal face. Max. Dimensions: 21 x 16 x 3

13C  

3D  

4D  

12D  

1E  


17) Sharp, fresh, angular, mottled grey inner flint flake. Plain butt, diffuse bulb, and large bulbar scar. Exhibits grey/white incipient re-cortication. Max. Dimensions: 34 x 16 x 11.

18) Quartzy, grey, inner flint flake, broken transversely at bulbar end. Max Dimensions: 26 x 21 x 3.

19) Grey, mottled, inner flint flake. RETOUCHEDED on left edge. Plain butt, diffuse bulb. Irregularly shattered at distal end. Max. Dimensions: 31 x 20 x 6. DRAW.


22) Very thin, flat, inner, flint flake. Thin, flat, plain butt, diffuse bulb, edges irregularly shattered ? from ploughing. Max. Dimensions: 18 x 15 x 2


25) Red/brown, secondary, flint flake, irregularly broken at bulbar end. RETOUCHEDED on right edge, dorsal face, and across distal end. Retains hard, fawn/white, smoothed, pebble cortex on left edge, dorsal face. Plough damage on both edges. Max. Dimensions: 48 x 19 x 13. DRAW.

26) Small grey inner flint flake fragment. Broken at bulbar end and transversely at the distal end. Max. Dimensions: 13 x 10 x 7.


29) Grey, quartz, inner flint flake, broken transversely at both ends. FLAKE SEGMENT. Max. Dimensions: 11 x 16 x 5.

3M
31) Light grey, mottled, flint chip, with incipient white re-cortication. Max. Dimensions: 11 x 13 x 5.

4M
32) Red/brown, primary, flint flake, plain butt, pronounced bulb. Exhibits hard grey/brown/fawn, smoothed, pebble cortex. Irregularly shattered at distal end. Max. Dimensions: 18 x 18 x 4.2N

3N

7N

9N

3O
39) Small quartz CORE. Retains hard, white, smoothed, nodular skin. One platform and slight keel, with flakes removed from one direction. Max. Dimensions: 23 x 22 x 13. Weight: 9gms. DRAW.

1P
41) Small, grey/white, inner flint flake. Plain butt, diffuse bulb. Max. Dimensions: 11 x 8 x 3.

2Q

4Q

3R

FIELD 18 19/5/11 NO GRID NUMBERS
50) Smooth, fine grained, grey, plano-convex, slate, bar-like tool. Flattened edges c. 3-4mm thick. Plough damaged on each long edge and massively damaged and shattered at bothy ends. Max. Dimensions: 210 x 47 x 17. Weight: 285gms. DRAW.

FIELD 19 (F19)
Surface
1) Light grey, mottled, inner flint flake, broken transversely at bulbar end. Some plough damage on both edges. Max Dimensions: 27 x 21 x 3.
2) Grey, mottled, inner flint flake, fractured obliquely at the bulbar end. Light RETOUCH on right edge on both faces. Max. Dimensions: 29 x 237 x 3. DRAW.

7A 4) Small, mottled grey, **THUMBNAIL SCRAPER.** Circular, retaining small patches of hard, white, smooth, pebble cortex on dorsal face. Steeply retouched all around perimeter. **Max. Dimensions:** 17 x 15 x 4. **DRAW.**

7B 5) Inner, plunging, quartzite flake. Plain butt, diffuse bulb. Struck to remove core apex. Other flake removals visible. **Max Dimensions:** 22 x 17 x 12.

6) Keel'd flake from grey/brown/purple banded agate **CORE.** Ridged and retaining patch of hard, fawn/grey, nodule skin at bulbar end. Cortical butt, diffuse bulb. **Max. Dimensions:** 49 x 16 x 17.

2E 7) Light grey inner flint chip

1I 9) Dark grey, shiny, chert chip. **Max Dimensions:** 11 x 9 x 5.

2I 10) Short, squat, burnt, inner flint flake. Facetted butt, diffuse bulb. Plough damage on both edges. **Max. Dimensions:** 14 x 14 x 5.


K7 12) Quartzy, grey/white/brown banded, agate, inner flake. Broken transversely at bulbar end. **Max. Dimensions:** 27 x 14 x 9

7L 14) Mottled fawn/brown/white inner flint flake. Thin plain butt, diffuse bulb. **Max. Dimensions:** 18 x 18 x 4

6M 15) Grey/white/brown quartz agate chunk. ? from agate **CORE.** Very faulted on one face. Several flake scars from previous removals on outer face. **Max. Dimensions:** 53 x 23 x 15.

5N 16) Angular, dark grey, flint chunk, retaining dark grey, smoothed, pitted cortex on one face. **Max. Dimensions:** 30 x 25 x 15. Weight: 10gms

5O 17) Light grey, mottled, inner flint fragment, broken transversely at bulbar end and obliquely at distal end. Steep, fine, **RETOUCH** across the bulbar end fracture. **Max Dimensions:** 18 x 21 x 3. **DRAW.** 18) Dark grey bulbar end of secondary flint flake. Broken transversely at distal end. Plain butt, pronounced bulb. Retains light grey, smoothed, pebble cortex on dorsal face, right edge. **Max. Dimensions:** 12 x 12 x 4.

19) Grey flint, inner, fragment. Irregularly shattered. **Max Dimensions:** 11 x 17 x 4.

1S 21) Dark grey, banded, secondary, chert flake. Cortical butt, pronounced bulb. Broken transversely at distal end. Notch on right side, probably from plough damage. **Max. Dimensions:** 21 x 15 x 4.
7T

10T

0T

6U

1X

8X

0Y

7Y

FIELD 23 (F23)

2D

5I

1S

1T
6) Rounded, grey/white/brown, agate chunk with hard, pitted, white, pebble cortex on one edge. Max. Dimensions: 23 x 16 x 7. Weight: 2gms.
LITHICS FROM EXCAVATIONS AT FLODDEN HILL AND FLODDEN FIELD

NB: where natural pieces have been given a find number they have been left in the catalogue, un-numbered bits have been deleted. Unfortunately there was inconsistency (and a lack of clarity) in the way finds were recorded and labelled on site which resulted in some confusion and misunderstandings. The catalogue was partly revised (bold numbers are the revised Cat. sequence) but some entries have had to be repositioned. The site information is written on the bags so if the 'Cat.' numbering is ambivalent this will identify the pieces.

FLODDEN HILL SITE 1
(No other context information)

FH12
1) Oval, elongated, fine grained/grey cobble. Some evidence for battering/use as a hammer at both ends. POSSIBLE HAMMER. Max. Dimensions: 190 x 70 x 48. Weight: 1079 gms. DRAW

FH12 SF 44

TRENCH 2
FH09 TR2 Small Find 35
1) Red/brown agate chip
2) Red/brown agate chip.

FH09 TR2 Small Find 39
3) NATURAL pebble.

FH15 TR2 253 Small Find 5
4) Mottled grey, inner flake, roughly triangular. RETOUCHEO on all edges. Bulbar end detached transversely. Max. Dimensions: 20 x 30 x 6. DRAW.

FH15 TR2 Small Find 2 E 1.70 N 2.85
5) (10) Elongated, oval, smoothed, fine grained cobble/pebble. NATURAL.

TRENCH 3
1) FH09 Small Find 10

FH09 Context 11 Small Find 13
2) (1) Black, rounded, chert lump. NATURAL.
3) (2) ?FH09 Small Find 16
NATURAL grey/green rounded chert pebble. Rounded and rolled. Weight: 5gms.

4) (3) FH09 Small Find 17
Thick, light grey, inner flake? From core trimming, turned into SCRAPER by steep retouch across the distal end. Flake originally removed parallel to striking platform. Bulbar end exhibits parallel flake removals ? from core face. Max. Dimensions: 20 x 30 x 12. DRAW.

5) (4) FH09 Small Find 20

6) (5) FH 09 Small Find 21
White quartzite flake, broken irregularly at bulbar end. Flake scars from previous removals on dorsal face. One small, circular, spall on dorsal face ? from freeze/thaw action. Max. Dimensions: 28 x 19 x 5.

7) (6) FH09 Small Find 29
Grey, mottled, inner flint chip
FH09 Small Find 34 – NO CONTEXT DATA.
10) (2) Bulbar end of dark grey BLADELET. Plain butt, diffuse bulb. Broken transversely at distal end.
Max. Dimensions: 8 x 6 x 1.

FH12 TR 3 W 5.35m N 0.85m

FH12 TR3 SITE 1 ? Small Find 35.
11) (4) Red/brown/white/grey agate chip. NATURAL.

FH12 SITE 1 TR3/2 Small Find 41

FH 2012 TR 3 ? Small Find 60

FH12 119
14) (7) NATURAL quartz crystal.

FH13
15) (8) Elongated oval cobble. Shattered and broken at one end. Natural hollow. NOT A CUP MARK. NATURAL.

FH 13/1 TR 3 Context 5 Small Find 48.
17) (15) White quartzite chip. NATURAL.

FH13 TR 3 Context 158. Small Find 58
18) (10) Rounded brown/red flint pebble. Unworked. NATURAL.

FH13 TR 3 Context 186. Small Find 66.

FH13 TR 3 Context 219 Small Find 77.
20) (11) Grey/brown, NATURAL, sandstone piece, shattered along bedding planes.

FH 13/1 TR 3 Context 158 Small Find 50

FH 13/1 TR 3 Small Find 55

FH 13/1 TR 3 Small Find 60
24) Translucent, grey, inner flint flake. Broken transversely at the bulbar end. Max. Dimensions 10 x 18 x 4

TRENCH 5
FH 2012 TR5 Context 99 Small Find 42
1) Grey, burnt, flint, inner, flake. Irregularly shattered, transversely at both ends. Small spalls removed. Right edge and distal end also burnt and shattered. Edges plough damaged. Max. Dimensions: 28 x 15 x 5

FH13 TR5 Small Find 52 Plan 75

FH13 TR5 SF54 (no context)
FH13 Tr.5 Small Find 64
Light grey translucent flint BLADELET, broken transversely at bulbar end. Edges fresh but with small notches on both either through use or plough damage. Maximum Dimensions: 16 x 8 x 2.

FH14 Small Find 5

FH 15 TR5 Small Find 14
4) Irregular, sub-oval, fine grained, cobble, one end shattered by ploughing. NATURAL.

FH15 TR5 Small Find 24

TRENCH 7
Surface/Unstrat. Small Find 24
1) Elongated, sub-oval, coarse sandstone pebble/cobble. NATURAL.

TRENCH 8
FH 09 Trench 8 Context 71 Small Find 33
1) Brown/white/fawn grey, banded, agate chip.

TRENCH 10
No context or Small Finds Number.

TRENCH 12
FH13 Context 188 Small Find 69
1) Grey, quartzagate, chunk. NATURAL

TRENCH 14
FH13 Context 175 Small Find 61
1) Light grey, inner, flint flake. Plain butt, pronounced bulb. Hinge fracture on unbroken section, but large section of distal end broken obliquely. Some fine RETOUCH on left edge. Max. Dimensions: 21 x 18 x 5. DRAW

TRENCH 15
FH 13/1 Small Find 56 No Context Information.

TRENCH 16
FH 15 Context 288 Small Find 26
1) Broken end of possible AXE. Grey/green, fine gained, stone. Edges facetted. One edge battered by chipping, but could be plough damage. Rounded end also battered. Broken transversely at mid point. Max. Dimensions: 92 x 62 x 20. Weight: 178 gms. DRAW.

TRENCH 17
FH 15 TR17 Small Find 2
1) Light grey, inner, flint BLADE. Plain butt, diffuse bulb. Slight hinge fracture at distal end. Notched and battered on right edge, dorsal face. from plough damage. Max. Dimensions: 34 x 11 x 4. DRAW.

FH 15 TR17 Small Find 6
FH 15 TR17 Small Find 15. Unstratified.
3) Broken distal end of a **POLISHED STONE IMPLEMENT**. Broken transversely at the mid-point. Striations and polish visible on all edges. Max. Dimensions: 120 x 77 x 35. Weight: 396 gms. **DRAW**.

**FH 14 SITE 3**  
(Field on south side of Flodden Hill, south of site 2)

**FH 14/3 Context 6**
1) (21) Fine grained, grey/fawn, sandstone conglomerate. Hollow /cup on one face may be a pecked and ground ‘cup-mark’ - but could be natural. Cup measures 50mm x 45 mm Depth: 21mm. Max Dimensions: 89 x 70 x 43.

**FH 14/3 Context 15 Small Find 2.**

**FH14/3 Context 3 Small Find 1.**
3) (20) Distal end fragment of inner, mottled grey, flint flake. Triangular in shape. Broken transversely at bulbar end. **RETOUCHED** on both edges. ?TANG from a larger implement. Max. Dimensions: 15 x 17 x 4. **DRAW**.

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**FLODDEN HILL SITE 2**

**FH10 Small Find 54 90799 35636**
1) **NATURAL**, fine grained, sandstone fragment

**8/9/10 Small Find 18 Surface Find**
2) **NATURAL**, fine grained, rounded, elongated cobble – shattered at one end. Some damage from ploughing.

**TRENCH 1**
1) **Back-fill. Small Find 56**
Broken, fine-grained, grey, elongated cobble. Broken at one end. **NATURAL**

2) **Back-fill/spoil heap. Small Find 57.**
Round, sandstone pebble. **NATURAL**.

3) **Back-fill/spoil heap. Small Find 59.**
Squat, oval, fine grained, grey, smoothed, natural cobble. **NATURAL**.

4) **FH10 TR1 Context 3. Small Find 2**
Angular, light grey, quartzy, inner, flint chunk. Max. Dimensions: 20 x 10 x 10. Weight: 3 gms.

5) **FH10 TR1 Context 3. Small Find 3.**
Elongated, fawn/brown, inner flint flake. Small, plain, butt, pronounced bulb. Max. Dimensions: 10 x 21 x 5

6) **FH10 TR1 Context 3. Small Find 4.**

7) **FH10 TR1 Context 47. Small find 31.**
Fine grained, thin, oval inner cobble, rounded and water-worn. **NATURAL**.

8) **FH 10 TR1 Extension Context 3. Small Find 14**
TRENCH 2

FH10 TR2 NO CONTEXT INFORMATION
1) (4) Broken, grey, fine grained, grey, rounded cobble. NATURAL.

FH10 TR2 Small Find 36 E 1011.05 N1074.95
2) (6) Small, grey, fine grained, oval pebble? Some polish and abrasion on one face. ? used as a WHETSTONE/POLISHING STONE. Max. Dimensions: 87 x 49 x 30. Weight: 206gms. DRAW.

FH10 TR2 Context 1

TRENCH 4

FH10 Context 30 Small Find 20
1) Hard, fine grained, stone fragment? Broken from rounded cobble. Smoothed on unshattered surface. NATURAL.

FH10 Context 30 Small Find 21
2) Rounded sandstone pebble. NATURAL

FH10 Context 30 Small Find 22
3) Possible fragment of polished stone tool – butt end broken transversely. Flat surfaces smoothed. Edges smoothed and facetted. Possible battering on the rounded end. Max. Dimensions: 87 x 53 x 25. DRAW

FH10 TR4 Context 30 Small Find 23
4) Natural, elongated, fine grained cobble. NATURAL

FH10 TR4 Context 30 Small Find 25
5) Rounded red/brown/grey, banded, agate chunk. NATURAL
6) Large red/brown/darkgrey/purple, banded, agate chunk. NATURAL.

FH10 TR4 Context 30 Small Find 50

TRENCH 8

FH 2011 Topsoil

T8 FH 11 SITE 2 No Context No Finds No.
2) (3) Fine grained, grey, elongated, smoothed cobble. Shows evidence for use as a HAMMER. Battered at both ends. Max. Dimensions: 160 x 56 x 32. DRAW.

T8 FH11 Small Find 55.
3) (4) Round, flat, smoothed, fine-grained cobble. NATURAL.

FH11-2 TR8 Small Find 158
4) (5) Top stone from gritstone ROTARY QUERN of Iron Age type. Pink/grey gritstone with large, white, grit inclusions. Max. diameter of central hopper 120mm to 60mm at bottom. Bottom surface smoothed and polished through use. Max. Dimensions: 275 x 127 x 105. No handle hole. DRAW.

TRENCH 9

FH 11-2 – Stones
TRENCH 10
FH 11 Topsoil

FH 11 Surface 13.09.11
2) Possible HAMMER. Elongated oval cobble. Grey, fine grained, and shattered in places by plough strikes. Rounded end shows some battering ? from use. Max. Dimensions: 153 x 69 x 27 Weight: 456gms. DRAW

FH 11 Associated Context 205
3) Irregular quartz chip. Max. Dimensions: 18 x 14 x 5

FH 11 Small Find 76
4) Red/brown, inner, flint chip

FH 11 Small Find 88

FH 11 Small Find 118

FH 11 Context 226 Small Find 159

TRENCH 11
FH 11 Topsoil


FH 11 Context 129 Small Find 111
3) Small, red/brown/grey, banded, agate chunk. NATURAL.

FH 11 Context 173
FLODDEN FIELD EXCAVATIONS [see also 1st report]

[see also 1st report/catalogue]

FF12 (in Field 19)

TEST PIT 9

FF12 TP 9 Context 83 JN 17/9/12
1) Grey, inner flint flake, broken obliquely at bulbar end. Max. Dimensions: 21 x 10 x 6. 2) NATURAL, quartz grey/white, agate chip

TRENCH 1

FF12
1) (10) FF12 Context 16
Dark grey chert chip.

FF12 TR1 Context 16

FF13 (in Field 15)

TRENCH 1

FF13 TR1 Context 1 Topsoil FIELD 15
1) (12) Dark grey/green chert nodule? Utilised as a CORE. At least 1 large flake removed from one face, and some small flakes also removed. Max. Dimensions: 26 x 18 x 16. Weight: 10gms. DRAW

FF13 TR1 Context 34
2) (13) Grey, fine grained, elongated and rounded cobble. Fractured at one end by plough strikes. NATURAL [?]
3) (14) Angular, fawn/pink, fine grained ? sand stone, with some mica inclusions. Two faces have highly smoothed facets, suggesting use as WHETSTONE. Max. Dimensions: 152 x 117 x 101. Weight: 1920 gms. DRAW.

TRENCH 2

FF13 TR2 Context 1
1) (7) Dark grey, inner, flint flake ? from bi-polar CORE. Both ends facetted. Max. Dimensions: 23 x 16 x 7

TRENCH 3

FF13 TR3 Context 7

FF13 TR 3 Context 13 Small Find 4
2) (14) Grey/green chert chip.

TRENCH 5

FF13 Topsoil

TRENCH 6

FF13 Topsoil
1) Grey/white, inner, flint flake, broken obliquely at bulbar end and slight hinge fracture at distal end. Some incipient white re-cortication on all faces. Max. Dimensions: 24 x 23 x 5.
FF13 Context 15

FF13 Context 16

TRENCH 8
FF13 TR8 Context 31?32